

# Datarapport: Kornstørrelsesfordeling Laboratorieanalyser for Miljøstyrelsen

Miljøstyrelsens råstofundersøgelser 2020

Pernille Stockmarr

# **Datarapport: Kornstørrelsesfordeling Laboratorieanalyser for Miljøstyrelsen**

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## **Prøvebehandling**

GEUS har foretaget analyser på 150 sedimentprøver.

Ved modtagelsen af prøverne er de blevet registreret med følgende 5 kategorier:

- dato
- lokalitet
- fortløbende laboratorienummer
- rekvirent
- analysekrav

## **Analysemetoder**

### **Sigteanalyse:**

Totalprøven er tørret og sigtet som beskrevet i DS405.9 DS/EN 933-1 med følgende sigter  
16 - 8 – 4 – 2 - 1 – 0,5 – 0,250 – 0,125 – 0,075 – 0,063 (mm) svarende til 1 phi sigtning.

### **Vandindhold og glødetab:**

Vandindhold er bestemt efter DS 405.11 og glødetab er bestemt efter af DS 204.

Glødetab er beregnet ud fra den tørre vægt (105 °C).



## **Resultater**

I bilag 1 er vist vandindhold og glødetab for sedimentprøverne.

## Resultater

I bilag 2 er vist kornkurverne for sedimentprøverne. Kornkurven viser fordeling af sand, silt og ler i prøverne.

## Referencer

Dansk Standard DS 405.9. Kornstørrelsesfordeling bestemt ved sigteanalyse. Dansk Standardiseringsråd, Kbh. 1978

DS/EN 933-1. Kornstørrelsesfordeling bestemt ved sigteanalyse Dansk Standardiseringsråd, Kbh. 2004

Dansk Standard DS 405.11. Prøvningsmetoder for sand -, grus-og stenmaterialer. Vandindhold. Dansk Standardiseringsråd, Kbh. 1978

Dansk Standard DS 204. Tørstof og gløderest. Dansk Standardiseringsråd, Kbh. 1980

## Miljøstyrelsens råstofundersøgelser 2020

| labnr. | mærkning | dybde   |    |
|--------|----------|---------|----|
| 200380 | HRV 13   | 50-250  | cm |
| 200381 | HRV 13   | 350-500 | cm |
| 200382 | HRV 16   | 0-240   | cm |
| 200383 | HRV 17   | 0-250   | cm |
| 200384 | HRV 34   | 160-250 | cm |
| 200385 | HRV 38   | 420-510 | cm |
| 200386 | HRV 49   | 0-200   | cm |
| 200387 | HRV 49   | 300-470 | cm |
| 200388 | HR 2     | 0-90    | cm |
| 200389 | HR 2     | 100-490 | cm |
| 200390 | HR 3     | 0-130   | cm |
| 200391 | HR 3     | 350-550 | cm |
| 200392 | HR 4     | 0-300   | cm |
| 200393 | HR 5     | 0-190   | cm |
| 200394 | HR 5     | 190-245 | cm |
| 200395 | HR 6     | 300-490 | cm |
| 200396 | HR 10    | 50-100  | cm |
| 200397 | HR 11A   | 0-100   | cm |
| 200398 | HR 12    | 0-50    | cm |
| 200399 | HR 14A   | 40-80   | cm |
| 200400 | HR 16    | 0-50    | cm |
| 200401 | HR 26A   | 0-50    | cm |
| 200402 | HR 35    | 0-100   | cm |
| 200403 | HR 37A   | 0-200   | cm |
| 200404 | HR 38    | 0-46    | cm |
| 200405 | HR 39    | 0-600   | cm |
| 200406 | HR 40    | 60-150  | cm |
| 200407 | HR 40    | 170-270 | cm |
| 200408 | HR 49    | 0-150   | cm |
| 200409 | HR 23    | 0-140   | cm |
| 200410 | HR 27    | 0-280   | cm |
| 200411 | HR 28    | 0-250   | cm |
| 200412 | HR 31    | 0-86    | cm |
| 200413 | HR 32    | 0-200   | cm |
| 200414 | HR 36    | 0-130   | cm |
| 200415 | HR 36    | 150-200 | cm |
| 200416 | HR 42    | 0-140   | cm |
| 200417 | JAM 01   | 0-260   | cm |
| 200418 | JAM 02   | 20-280  | cm |
| 200419 | JAM 03   | 0-390   | cm |
| 200420 | JAM 05   | 0-390   | cm |
| 200421 | JAM 12   | 0-80    | cm |

| labnr. | mærkning | dybde   |    |
|--------|----------|---------|----|
| 200422 | JAM 12   | 80-200  | cm |
| 200423 | JAM 13   | 0-500   | cm |
| 200424 | JAM 20   | 0-300   | cm |
| 200425 | JAM 21   | 0-200   | cm |
| 200426 | JAM 22   | 0-70    | cm |
| 200427 | JAM 23   | 0-150   | cm |
| 200428 | JAM 24   | 0-500   | cm |
| 200429 | JAM 28   | 0-200   | cm |
| 200430 | JAM 29   | 0-400   | cm |
| 200431 | JAM 32   | 0-100   | cm |
| 200432 | JAM 35   | 0-150   | cm |
| 200433 | JAM 39   | 0-425   | cm |
| 200434 | JAM 40   | 0-78    | cm |
| 200435 | JAM 40   | 100-300 | cm |
| 200436 | JAM 41   | 0-180   | cm |
| 200437 | JAM 46   | 0-200   | cm |
| 200438 | JAM 48   | 0-80    | cm |
| 200439 | JAM 50   | 0-70    | cm |
| 200440 | JAM 52   | 0-35    | cm |
| 200441 | JAM 55   | 0-120   | cm |
| 200442 | JAM 56   | 0-300   | cm |
| 200443 | JAM 57   | 0-100   | cm |
| 200444 | JAM 61   | 0-90    | cm |
| 200445 | JAM 61   | 100-300 | cm |
| 200446 | JAM 62   | 0-130   | cm |
| 200447 | HRNE 02  | 0-300   | cm |
| 200448 | HRNE 03  | 0-400   | cm |
| 200449 | HRNE 06  | 0-140   | cm |
| 200450 | HRNE 12  | 0-200   | cm |
| 200451 | HRNE 14  | 0-300   | cm |
| 200452 | HRNE 17  | 0-400   | cm |
| 200453 | HRNE 24  | 0-120   | cm |
| 200454 | HRNE 25  | 0-200   | cm |
| 200455 | HRNE 25  | 250-320 | cm |
| 200456 | HRNE 34  | 0-180   | cm |
| 200457 | HRNE 35  | 0-300   | cm |
| 200458 | HRNE 37  | 0-130   | cm |
| 200459 | HRNE 39  | 0-190   | cm |
| 200460 | HRNE 40  | 0-480   | cm |
| 200461 | HRNE 42  | 250-440 | cm |
| 200462 | HRN 09   | 0-150   | cm |
| 200463 | HRN 09   | 250-300 | cm |
| 200464 | VKY 03   | 0-300   | cm |
| 200465 | VKY 14   | 20-75   | cm |
| 200466 | VKY 18   | 0-250   | cm |
| 200467 | JAM 11   | 0-200   | cm |

| labnr. | mærkning | dybde   |    |
|--------|----------|---------|----|
| 200468 | JAM 19   | 0-122   | cm |
| 200469 | JAM 30   | 0-350   | cm |
| 200470 | JAM 65   | 0-200   | cm |
| 200471 | JAM 44   | 0-100   | cm |
| 200472 | VKY 13   | 0-130   | cm |
| 200473 | VKY 22   | 300-360 | cm |
| 200474 | VKY 23   | 0-80    | cm |
| 200475 | VKY 26   | 50-150  | cm |
| 200476 | VKY 29   | 0-78    | cm |
| 200477 | VKY 30   | 0-59    | cm |
| 200478 | VKY 32   | 0-100   | cm |
| 200479 | VKY 37   | 0-95    | cm |
| 200480 | VKY 38   | 485-585 | cm |
| 200481 | VKY 41   | 0-100   | cm |
| 200482 | VKY 50   | 350-385 | cm |
| 200483 | VKY 54   | 0-300   | cm |
| 200484 | VKY 63   | 0-100   | cm |
| 200485 | VKY 86   | 150-250 | cm |
| 200486 | VKY 90   | 0-100   | cm |
| 200487 | VKY 94   | 0-300   | cm |
| 200488 | VKY 95   | 0-100   | cm |
| 200489 | VKY 96   | 0-250   | cm |
| 200490 | VKY 100  | 0-100   | cm |
| 200491 | VKY 105  | 200-400 | cm |
| 200492 | VKY 110  | 0-100   | cm |
| 200493 | VKY 111  | 0-78    | cm |
| 200494 | VKY 120  | 0-37    | cm |
| 200495 | VKY 121  | 0-64    | cm |
| 200496 | VKY 124  | 50-400  | cm |
| 200497 | VKY 40   | 0-30    | cm |
| 200498 | VKY 42   | 0-28    | cm |
| 200499 | VKY 44   | 30-200  | cm |
| 200500 | VKY 46   | 0-100   | cm |
| 200501 | VKY 47   | 0-90    | cm |
| 200502 | VKY 47   | 90-140  | cm |
| 200503 | VKY 53   | 0-28    | cm |
| 200504 | VKY 55   | 100-200 | cm |
| 200505 | VKY 57   | 40-100  | cm |
| 200506 | VKY 57   | 140-188 | cm |
| 200507 | VKY 59   | 0-44    | cm |
| 200508 | VKY 64   | 67-94   | cm |
| 200509 | VKY 65   | 0-140   | cm |
| 200510 | VKY 67   | 0-300   | cm |
| 200511 | VKY 67   | 320-390 | cm |
| 200512 | VKY 70   | 0-86    | cm |
| 200513 | VKY 76   | 0-100   | cm |

| <b>labnr.</b> | <b>mærkning</b> | <b>dybde</b> |    |
|---------------|-----------------|--------------|----|
| 200514        | VKY 77          | 0-200        | cm |
| 200515        | VKY 77          | 225-325      | cm |
| 200516        | VKY 78          | 0-200        | cm |
| 200517        | VKY 81          | 0-40         | cm |
| 200518        | VKY 82          | 0-200        | cm |
| 200519        | VKY 82          | 230-310      | cm |
| 200520        | VKY 83          | 0-80         | cm |
| 200521        | VKY 85          | 0-100        | cm |
| 200522        | VKY 85          | 200-300      | cm |
| 200523        | VKY 91          | 60-160       | cm |
| 200524        | VKY 98          | 50-100       | cm |
| 200525        | VKY 99          | 0-90         | cm |
| 200526        | VKY 114         | 0-73         | cm |
| 200527        | VKY 117         | 0-200        | cm |
| 200528        | HR 47A          | 0-500        | cm |
| 200529        | HRNE 18         | 270-370      | cm |

# **Bilag 1**



## Miljøstyrelsens råstofundersøgelser 2020, Vandindhold og glødetab

| labnr. | mærkning | dybde   |    | Vandindhold % | Glødetab % |
|--------|----------|---------|----|---------------|------------|
| 200388 | HR 2     | 0-90    | cm | 9             | 0,2        |
| 200389 | HR 2     | 100-490 | cm | 10            | 0,1        |
| 200390 | HR 3     | 0-130   | cm | 10            | 0,2        |
| 200391 | HR 3     | 350-550 | cm | 6             | 0,3        |
| 200392 | HR 4     | 0-300   | cm | 8             | 0,2        |
| 200393 | HR 5     | 0-190   | cm | 6             | 0,1        |
| 200394 | HR 5     | 190-245 | cm | 14            | 0,1        |
| 200395 | HR 6     | 300-490 | cm | 13            | 0,1        |
| 200396 | HR 10    | 50-100  | cm | 13            | 0,3        |
| 200397 | HR 11A   | 0-100   | cm | 11            | 0,2        |
| 200398 | HR 12    | 0-50    | cm | 9             | 0,2        |
| 200399 | HR 14A   | 40-80   | cm | 17            | 0,3        |
| 200400 | HR 16    | 0-50    | cm | 11            | 0,1        |
| 200409 | HR 23    | 0-140   | cm | 11            | 0,3        |
| 200401 | HR 26A   | 0-50    | cm | 8             | 0,2        |
| 200410 | HR 27    | 0-280   | cm | 12            | 0,2        |
| 200411 | HR 28    | 0-250   | cm | 14            | 0,3        |
| 200412 | HR 31    | 0-86    | cm | 8             | 0,2        |
| 200413 | HR 32    | 0-200   | cm | 16            | 0,5        |
| 200402 | HR 35    | 0-100   | cm | 12            | 0,2        |
| 200414 | HR 36    | 0-130   | cm | 12            | 0,3        |
| 200415 | HR 36    | 150-200 | cm | 19            | 0,3        |
| 200403 | HR 37A   | 0-200   | cm | 9             | 0,2        |
| 200404 | HR 38    | 0-46    | cm | 11            | 0,2        |
| 200405 | HR 39    | 0-600   | cm | 9             | 0,1        |
| 200406 | HR 40    | 60-150  | cm | 11            | 0,3        |
| 200407 | HR 40    | 170-270 | cm | 12            | 0,4        |
| 200416 | HR 42    | 0-140   | cm | 10            | 0,2        |
| 200528 | HR 47A   | 0-500   | cm | 11            | 0,1        |
| 200408 | HR 49    | 0-150   | cm | 10            | 0,2        |
| 200462 | HRN 09   | 0-150   | cm | 15            | 0,2        |
| 200463 | HRN 09   | 250-300 | cm | 7             | 0,2        |
| 200380 | HRV 13   | 50-250  | cm | 12            | 0,3        |
| 200381 | HRV 13   | 350-500 | cm | 16            | 0,5        |
| 200382 | HRV 16   | 0-240   | cm | 17            | 0,4        |
| 200383 | HRV 17   | 0-250   | cm | 14            | 0,3        |
| 200384 | HRV 34   | 160-250 | cm | 9             | 0,2        |
| 200385 | HRV 38   | 420-510 | cm | 12            | 0,5        |
| 200386 | HRV 49   | 0-200   | cm | 14            | 0,4        |
| 200387 | HRV 49   | 300-470 | cm | 8             | 0,2        |
| 200447 | HRNE 02  | 0-300   | cm | 19            | 0,4        |
| 200448 | HRNE 03  | 0-400   | cm | 17            | 0,2        |

| labnr. | mærkning | dybde   |    | Vandindhold % | Glødetab % |
|--------|----------|---------|----|---------------|------------|
| 200449 | HRNE 06  | 0-140   | cm | 19            | 0,4        |
| 200450 | HRNE 12  | 0-200   | cm | 18            | 0,6        |
| 200451 | HRNE 14  | 0-300   | cm | 19            | 0,7        |
| 200452 | HRNE 17  | 0-400   | cm | 19            | 0,3        |
| 200529 | HRNE 18  | 270-370 | cm | 11            | 0,5        |
| 200453 | HRNE 24  | 0-120   | cm | 11            | 0,2        |
| 200454 | HRNE 25  | 0-200   | cm | 18            | 0,3        |
| 200455 | HRNE 25  | 250-320 | cm | 12            | 0,5        |
| 200456 | HRNE 34  | 0-180   | cm | 10            | 0,3        |
| 200457 | HRNE 35  | 0-300   | cm | 20            | 0,7        |
| 200458 | HRNE 37  | 0-130   | cm | 16            | 0,4        |
| 200459 | HRNE 39  | 0-190   | cm | 16            | 0,4        |
| 200460 | HRNE 40  | 0-480   | cm | 14            | 0,3        |
| 200461 | HRNE 42  | 250-440 | cm | 14            | 0,5        |
| 200417 | JAM 01   | 0-260   | cm | 15            | 0,4        |
| 200418 | JAM 02   | 20-280  | cm | 13            | 0,4        |
| 200419 | JAM 03   | 0-390   | cm | 17            | 0,4        |
| 200420 | JAM 05   | 0-390   | cm | 14            | 0,3        |
| 200467 | JAM 11   | 0-200   | cm | 18            | 0,5        |
| 200421 | JAM 12   | 0-80    | cm | 13            | 0,3        |
| 200422 | JAM 12   | 80-200  | cm | 9             | 0,6        |
| 200423 | JAM 13   | 0-500   | cm | 18            | 1,1        |
| 200468 | JAM 19   | 0-122   | cm | 19            | 0,4        |
| 200424 | JAM 20   | 0-300   | cm | 18            | 0,4        |
| 200425 | JAM 21   | 0-200   | cm | 18            | 0,4        |
| 200426 | JAM 22   | 0-70    | cm | 16            | 0,3        |
| 200427 | JAM 23   | 0-150   | cm | 18            | 0,4        |
| 200428 | JAM 24   | 0-500   | cm | 7             | 0,4        |
| 200429 | JAM 28   | 0-200   | cm | 14            | 0,4        |
| 200430 | JAM 29   | 0-400   | cm | 17            | 0,5        |
| 200469 | JAM 30   | 0-350   | cm | 22            | 0,9        |
| 200431 | JAM 32   | 0-100   | cm | 13            | 0,2        |
| 200432 | JAM 35   | 0-150   | cm | 9             | 0,4        |
| 200433 | JAM 39   | 0-425   | cm | 15            | 0,4        |
| 200434 | JAM 40   | 0-78    | cm | 13            | 0,5        |
| 200435 | JAM 40   | 100-300 | cm | 14            | 0,4        |
| 200436 | JAM 41   | 0-180   | cm | 17            | 0,4        |
| 200471 | JAM 44   | 0-100   | cm | 18            | 0,3        |
| 200437 | JAM 46   | 0-200   | cm | 16            | 0,3        |
| 200438 | JAM 48   | 0-80    | cm | 17            | 0,5        |
| 200439 | JAM 50   | 0-70    | cm | 12            | 0,4        |
| 200440 | JAM 52   | 0-35    | cm | 17            | 0,4        |
| 200441 | JAM 55   | 0-120   | cm | 20            | 0,9        |
| 200442 | JAM 56   | 0-300   | cm | 21            | 0,6        |
| 200443 | JAM 57   | 0-100   | cm | 12            | 0,4        |
| 200444 | JAM 61   | 0-90    | cm | 17            | 0,4        |

| labnr. | mærkning | dybde   | Vandindhold % | Glødetab % |
|--------|----------|---------|---------------|------------|
| 200445 | JAM 61   | 100-300 | 12            | 0,4        |
| 200446 | JAM 62   | 0-130   | 16            | 0,4        |
| 200470 | JAM 65   | 0-200   | 21            | 0,9        |
| 200464 | VKY 03   | 0-300   | 13            | 0,3        |
| 200472 | VKY 13   | 0-130   | 17            | 0,4        |
| 200465 | VKY 14   | 20-75   | 12            | 0,5        |
| 200466 | VKY 18   | 0-250   | 18            | 1,2        |
| 200473 | VKY 22   | 300-360 | 14            | 0,3        |
| 200474 | VKY 23   | 0-80    | 17            | 0,7        |
| 200475 | VKY 26   | 50-150  | 20            | 0,9        |
| 200476 | VKY 29   | 0-78    | 15            | 0,2        |
| 200477 | VKY 30   | 0-59    | 8             | 0,2        |
| 200478 | VKY 32   | 0-100   | 18            | 0,4        |
| 200479 | VKY 37   | 0-95    | 14            | 0,2        |
| 200480 | VKY 38   | 485-585 | 15            | 0,3        |
| 200497 | VKY 40   | 0-30    | 16            | 0,3        |
| 200481 | VKY 41   | 0-100   | 12            | 0,3        |
| 200498 | VKY 42   | 0-28    | 15            | 0,4        |
| 200499 | VKY 44   | 30-200  | 19            | 0,2        |
| 200500 | VKY 46   | 0-100   | 11            | 0,4        |
| 200501 | VKY 47   | 0-90    | 17            | 0,2        |
| 200502 | VKY 47   | 90-140  | 10            | 0,6        |
| 200482 | VKY 50   | 350-385 | 14            | 0,2        |
| 200503 | VKY 53   | 0-28    | 4             | 0,4        |
| 200483 | VKY 54   | 0-300   | 17            | 0,4        |
| 200504 | VKY 55   | 100-200 | 16            | 0,6        |
| 200505 | VKY 57   | 40-100  | 16            | 0,2        |
| 200506 | VKY 57   | 140-188 | 11            | 0,3        |
| 200507 | VKY 59   | 0-44    | 17            | 0,2        |
| 200484 | VKY 63   | 0-100   | 12            | 0,2        |
| 200508 | VKY 64   | 67-94   | 6             | 0,4        |
| 200509 | VKY 65   | 0-140   | 14            | 0,3        |
| 200510 | VKY 67   | 0-300   | 15            | 0,3        |
| 200511 | VKY 67   | 320-390 | 8             | 0,3        |
| 200512 | VKY 70   | 0-86    | 6             | 0,2        |
| 200513 | VKY 76   | 0-100   | 7             | 0,5        |
| 200514 | VKY 77   | 0-200   | 15            | 0,2        |
| 200515 | VKY 77   | 225-325 | 15            | 0,3        |
| 200516 | VKY 78   | 0-200   | 17            | 0,2        |
| 200517 | VKY 81   | 0-40    | 13            | 0,3        |
| 200518 | VKY 82   | 0-200   | 14            | 0,2        |
| 200519 | VKY 82   | 230-310 | 12            | 0,4        |
| 200520 | VKY 83   | 0-80    | 21            | 0,4        |
| 200521 | VKY 85   | 0-100   | 18            | 0,6        |
| 200522 | VKY 85   | 200-300 | 13            | 0,3        |
| 200485 | VKY 86   | 150-250 | 19            | 0,4        |

| labnr. | mærkning | dybde   | Vandindhold % | Glødetab % |
|--------|----------|---------|---------------|------------|
| 200486 | VKY 90   | 0-100   | 16            | 0,3        |
| 200523 | VKY 91   | 60-160  | 21            | 0,5        |
| 200487 | VKY 94   | 0-300   | 21            | 1,1        |
| 200488 | VKY 95   | 0-100   | 10            | 0,2        |
| 200489 | VKY 96   | 0-250   | 21            | 1,4        |
| 200524 | VKY 98   | 50-100  | 14            | 0,3        |
| 200525 | VKY 99   | 0-90    | 16            | 0,4        |
| 200490 | VKY 100  | 0-100   | 13            | 0,2        |
| 200491 | VKY 105  | 200-400 | 12            | 0,3        |
| 200492 | VKY 110  | 0-100   | 11            | 0,2        |
| 200493 | VKY 111  | 0-78    | 13            | 0,2        |
| 200526 | VKY 114  | 0-73    | 14            | 0,2        |
| 200527 | VKY 117  | 0-200   | 14            | 0,2        |
| 200494 | VKY 120  | 0-37    | 13            | 0,4        |
| 200495 | VKY 121  | 0-64    | 5             | 0,3        |
| 200496 | VKY 124  | 50-400  | 16            | 0,3        |

## **Bilag 2**

# Grain Size Distribution

## Geotechnical

**Sample Id:** HR 2, 0-90  
**Lab. Id:** 200388  
**Projekt:** MST Råstøfkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >4mm heraf 0,9 g skaller



**Total Weight** 254,61 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 10,47  | 4,11   | 95,89                    |
| 8,00    | -3,00  | 18,08  | 7,10   | 88,79                    |
| 4,00    | -2,00  | 4,49   | 1,76   | 87,02                    |
| 2,00    | -1,00  | 11,84  | 4,65   | 82,37                    |
| 1,00    | 0,00   | 38,14  | 14,98  | 67,39                    |
| 0,500   | 1,00   | 80,52  | 31,62  | 35,77                    |
| 0,250   | 2,00   | 53,42  | 20,98  | 14,79                    |
| 0,125   | 3,00   | 33,27  | 13,07  | 1,72                     |
| 0,075   | 3,74   | 2,46   | 0,97   | 0,75                     |
| 0,063   | 3,99   | 0,14   | 0,05   | 0,70                     |
| < 0,063 | > 3,99 | 1,78   | 0,70   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,70     |
| Sand, fine (0,063 mm - 0,200 mm): | 14,09    |
| Sand, medium (0,2 mm - 0,6 mm):   | 36,04    |
| Sand, coarse (0,6 mm - 2 mm):     | 31,55    |
| Gravel (> 2 mm):                  | 17,63    |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 15,00 | -3,91 |
| 16%             | 84%            | 2,28  | -1,19 |
| 25%             | 75%            | 1,20  | -0,27 |
| 40%             | 60%            | 0,66  | 0,60  |
| Median 50%      | 50%            | 0,59  | 0,75  |
| 75%             | 25%            | 0,30  | 1,73  |
| 84%             | 16%            | 0,26  | 1,97  |
| 90%             | 10%            | 0,16  | 2,65  |
| 95%             | 5%             | 0,14  | 2,85  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 0,51  |
| Sorting                | 1,81  |
| Skewness               | -0,30 |
| Kurtosis               | 1,39  |
| Uniformity Coefficient | 4,13  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

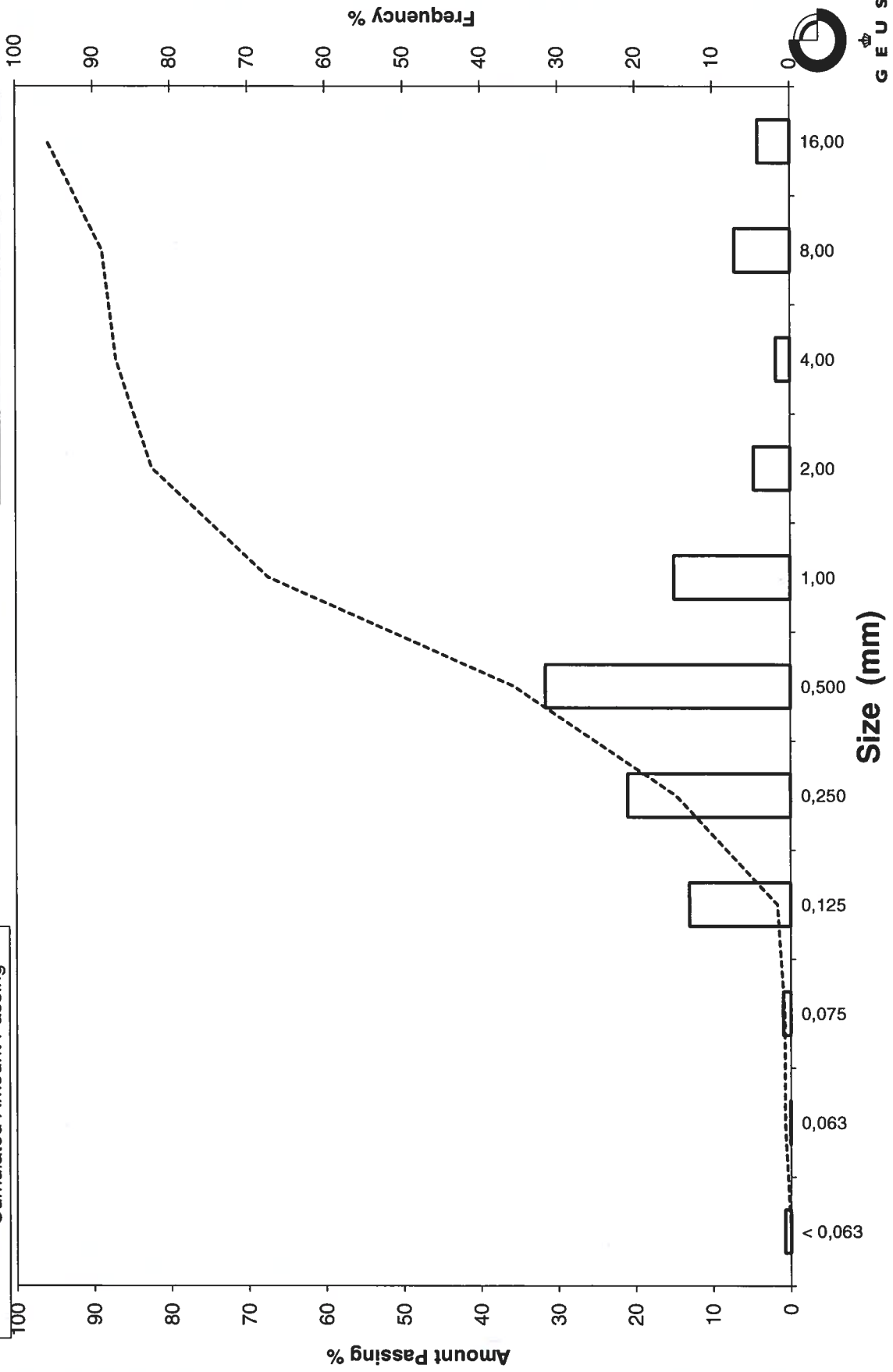
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: HR 2, 0-90

Frequency Percent  
Cumulated Amount Passing



GEUS

# Grain Size Distribution

Geotechnical

**Sample Id:** HR 2, 100-490  
**Lab. Id:** 200389  
**Projekt:** MST Råstøfkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >16mm består af skaller



**Total Weight** 121,45 g

## Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 2,18   | 1,79   | 98,21                    |
| 8,00    | -3,00  | 0,00   | 0,00   | 98,21                    |
| 4,00    | -2,00  | 0,00   | 0,00   | 98,21                    |
| 2,00    | -1,00  | 1,51   | 1,24   | 96,96                    |
| 1,00    | 0,00   | 6,81   | 5,61   | 91,35                    |
| 0,500   | 1,00   | 52,48  | 43,21  | 48,14                    |
| 0,250   | 2,00   | 55,14  | 45,40  | 2,74                     |
| 0,125   | 3,00   | 2,01   | 1,66   | 1,09                     |
| 0,075   | 3,74   | 0,48   | 0,40   | 0,69                     |
| 0,063   | 3,99   | 0,00   | 0,00   | 0,69                     |
| < 0,063 | > 3,99 | 0,84   | 0,69   | 0,00                     |

Gravel

Sand

Sieve Analysis

## Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,69     |
| Sand, fine (0,063 mm - 0,200 mm): | 2,05     |
| Sand, medium (0,2 mm - 0,6 mm):   | 65,98    |
| Sand, coarse (0,6 mm - 2 mm):     | 28,24    |
| Gravel (> 2 mm):                  | 3,04     |
| Sum:                              | 100,00   |

## Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 1,26  | -0,33 |
| 16%             | 84%            | 0,67  | 0,57  |
| 25%             | 75%            | 0,63  | 0,67  |
| 40%             | 60%            | 0,56  | 0,84  |
| Median 50%      | 50%            | 0,51  | 0,97  |
| 75%             | 25%            | 0,30  | 1,73  |
| 84%             | 16%            | 0,28  | 1,83  |
| 90%             | 10%            | 0,27  | 1,91  |
| 95%             | 5%             | 0,26  | 1,97  |

## Moments Statistics

|                        |      |
|------------------------|------|
| Mean                   | 1,13 |
| Sorting                | 0,67 |
| Skewness               | 0,11 |
| Kurtosis               | 0,89 |
| Uniformity Coefficient | 2,09 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

## Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

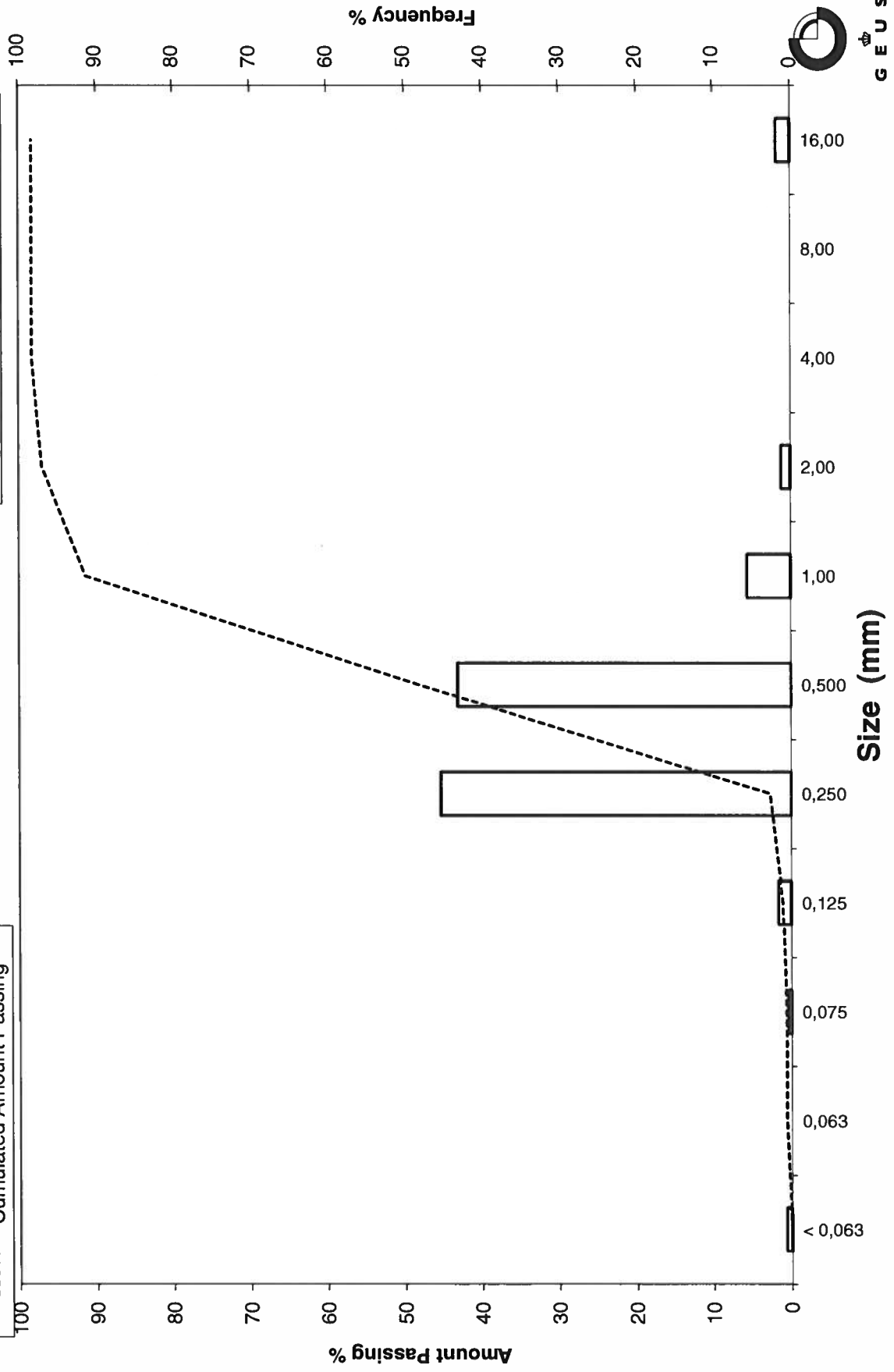
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# Grain Size Distribution

Sample Id: HR 2, 100-490

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** HR 3, 0-130  
**Lab. Id:** 200390  
**Projekt:** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >4mm heraf 0,80g skaller



**Total Weight** 720,49 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated<br>amount<br>passing |
|---------|--------|--------|--------|--------------------------------|
| mm      | Φ      | g      | %      | %                              |
| 16,00   | -4,00  | 7,76   | 1,08   | 98,92                          |
| 8,00    | -3,00  | 7,05   | 0,98   | 97,94                          |
| 4,00    | -2,00  | 13,09  | 1,82   | 96,13                          |
| 2,00    | -1,00  | 58,08  | 8,06   | 88,07                          |
| 1,00    | 0,00   | 182,40 | 25,32  | 62,75                          |
| 0,500   | 1,00   | 311,60 | 43,25  | 19,50                          |
| 0,250   | 2,00   | 118,92 | 16,51  | 3,00                           |
| 0,125   | 3,00   | 13,66  | 1,90   | 1,10                           |
| 0,075   | 3,74   | 4,94   | 0,69   | 0,41                           |
| 0,063   | 3,99   | 0,23   | 0,03   | 0,38                           |
| < 0,063 | > 3,99 | 2,76   | 0,38   | 0,00                           |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,38     |
| Sand, fine (0,063 mm - 0,200 mm): | 2,61     |
| Sand, medium (0,2 mm - 0,6 mm):   | 37,10    |
| Sand, coarse (0,6 mm - 2 mm):     | 47,97    |
| Gravel (> 2 mm):                  | 11,93    |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 2,69  | -1,43 |
| 16%             | 84%            | 1,34  | -0,42 |
| 25%             | 75%            | 1,19  | -0,26 |
| 40%             | 60%            | 0,70  | 0,52  |
| Median 50%      | 50%            | 0,65  | 0,63  |
| 75%             | 25%            | 0,53  | 0,92  |
| 84%             | 16%            | 0,33  | 1,59  |
| 90%             | 10%            | 0,29  | 1,76  |
| 95%             | 5%             | 0,26  | 1,93  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 0,60  |
| Sorting                | 1,01  |
| Skewness               | -0,13 |
| Kurtosis               | 1,16  |
| Uniformity Coefficient | 2,37  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles  
are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

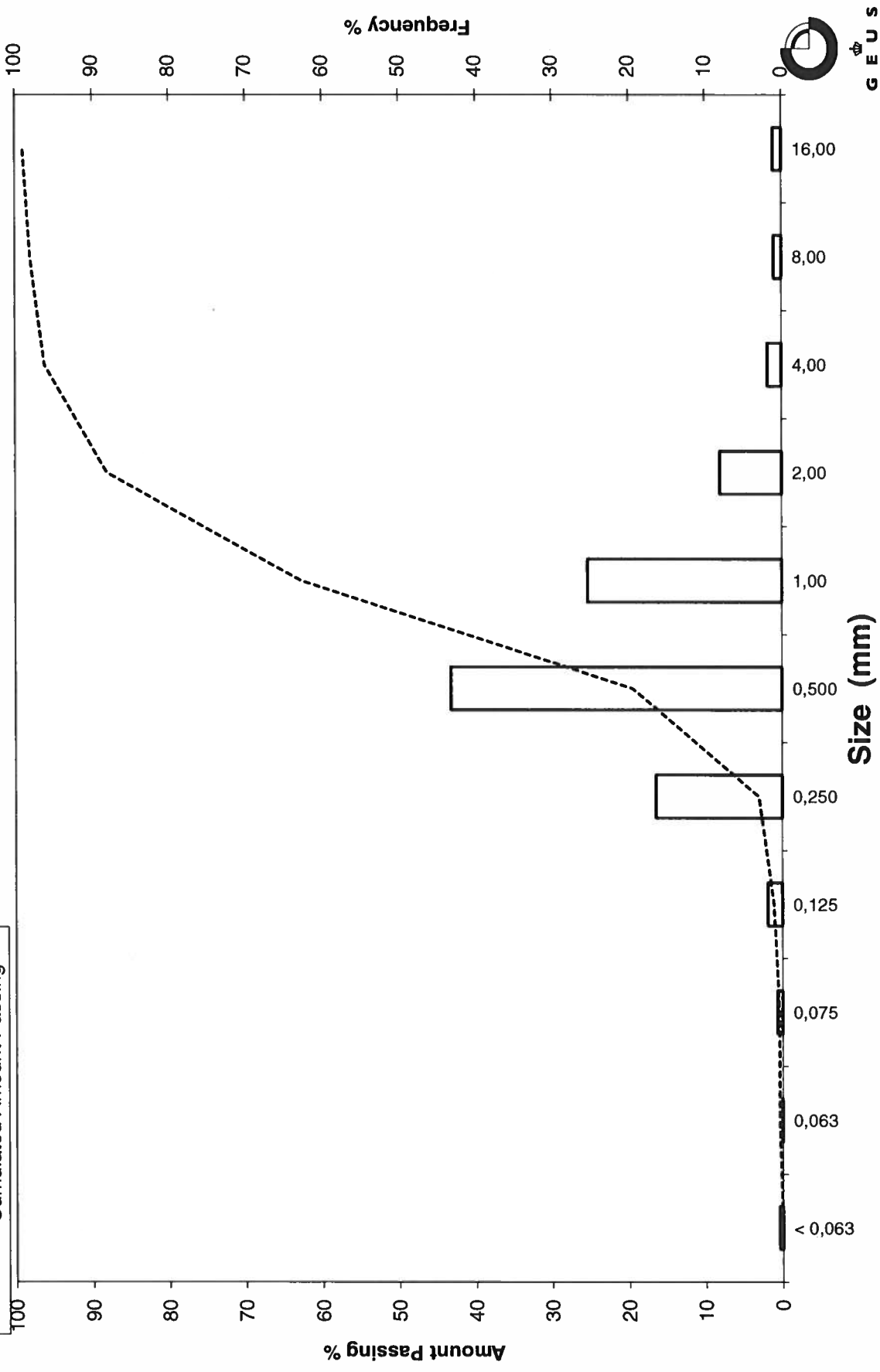
Mean, sorting, skewness and kurtosis are based on  
"Amount in sieve". Uniformity coefficient is based on  
"Amount passing".

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# Grain Size Distribution

Sample Id: HR 3, 0-130

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** HR 3, 350-550  
**Lab. Id:** 200391  
**Projekt:** MST Råstøfkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 951,46 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 61,27  | 6,44   | 93,56                    |
| 8,00    | -3,00  | 141,50 | 14,87  | 78,69                    |
| 4,00    | -2,00  | 102,56 | 10,78  | 67,91                    |
| 2,00    | -1,00  | 106,12 | 11,15  | 56,76                    |
| 1,00    | 0,00   | 211,11 | 22,19  | 34,57                    |
| 0,500   | 1,00   | 220,58 | 23,18  | 11,38                    |
| 0,250   | 2,00   | 85,29  | 8,96   | 2,42                     |
| 0,125   | 3,00   | 17,04  | 1,79   | 0,63                     |
| 0,075   | 3,74   | 2,42   | 0,25   | 0,38                     |
| 0,063   | 3,99   | 0,00   | 0,00   | 0,38                     |
| < 0,063 | > 3,99 | 3,57   | 0,38   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,38     |
| Sand, fine (0,063 mm - 0,200 mm): | 2,05     |
| Sand, medium (0,2 mm - 0,6 mm):   | 20,00    |
| Sand, coarse (0,6 mm - 2 mm):     | 34,33    |
| Gravel (> 2 mm):                  | 43,24    |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | ----- | ----- |
| 16%             | 84%            | 10,86 | -3,44 |
| 25%             | 75%            | 6,63  | -2,73 |
| 40%             | 60%            | 2,23  | -1,16 |
| Median 50%      | 50%            | 1,28  | -0,35 |
| 75%             | 25%            | 0,62  | 0,68  |
| 84%             | 16%            | 0,54  | 0,88  |
| 90%             | 10%            | 0,34  | 1,56  |
| 95%             | 5%             | 0,28  | 1,84  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | -0,97 |
| Sorting                | ----- |
| Skewness               | ----- |
| Kurtosis               | ----- |
| Uniformity Coefficient | 6,59  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)  
 Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)  
 Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)  
 Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)  
 Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

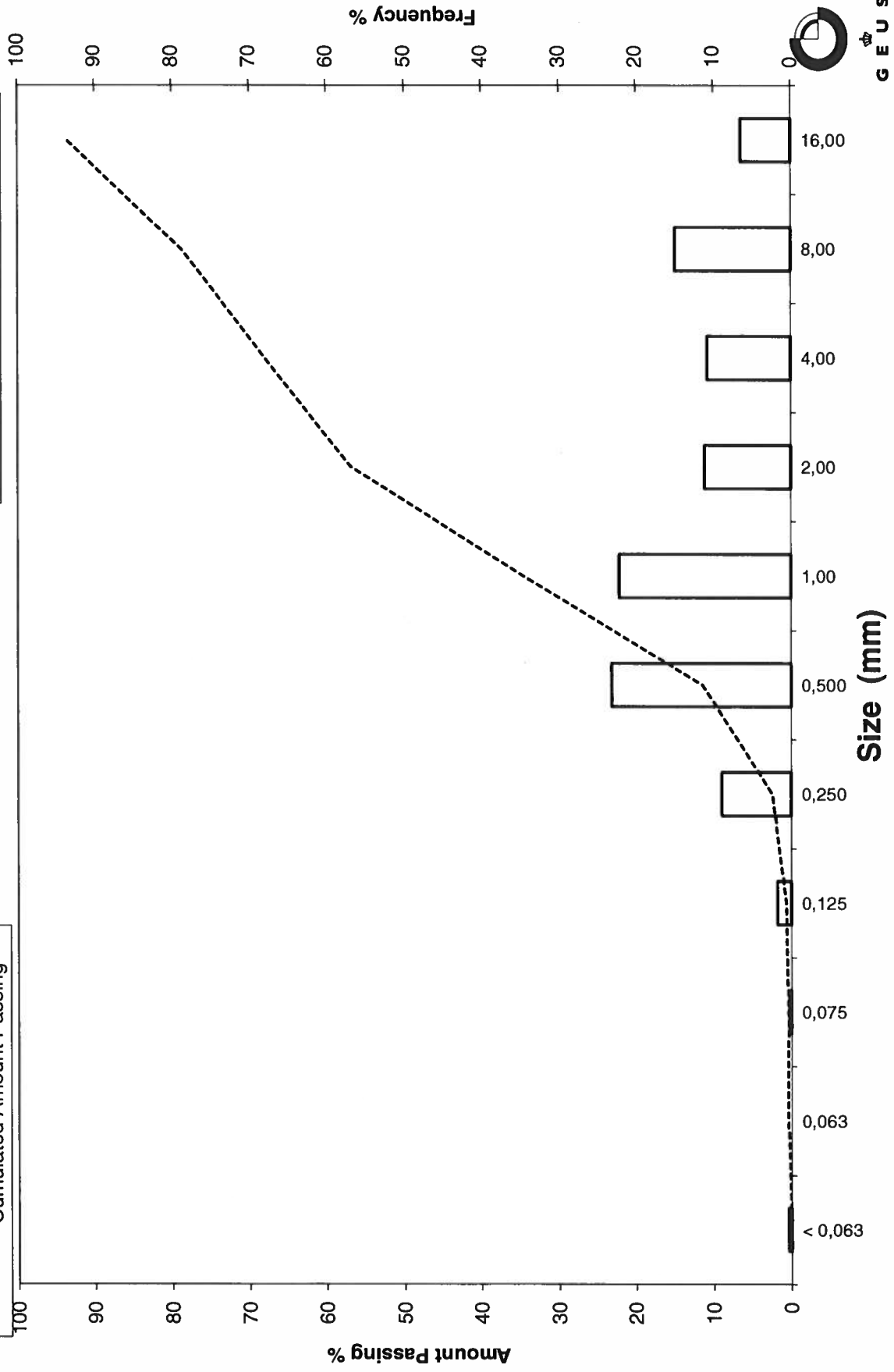
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: HR 3, 350-550

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** HR 4, 0-300  
**Lab. Id:** 200392  
**Projekt:** MST Råstøfkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 107,76 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,53   | 0,49   | 99,51                    |
| 2,00    | -1,00  | 0,78   | 0,72   | 98,78                    |
| 1,00    | 0,00   | 13,09  | 12,15  | 86,64                    |
| 0,500   | 1,00   | 69,23  | 64,24  | 22,39                    |
| 0,250   | 2,00   | 22,11  | 20,52  | 1,87                     |
| 0,125   | 3,00   | 1,04   | 0,97   | 0,91                     |
| 0,075   | 3,74   | 0,26   | 0,24   | 0,67                     |
| 0,063   | 3,99   | 0,04   | 0,04   | 0,63                     |
| < 0,063 | > 3,99 | 0,68   | 0,63   | 0,00                     |

Gravel

Sand

Sieve Analysis

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,63     |
| Sand, fine (0,063 mm - 0,200 mm): | 1,24     |
| Sand, medium (0,2 mm - 0,6 mm):   | 51,11    |
| Sand, coarse (0,6 mm - 2 mm):     | 45,80    |
| Gravel (> 2 mm):                  | 1,22     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 1,28  | -0,35 |
| 16%             | 84%            | 0,70  | 0,51  |
| 25%             | 75%            | 0,67  | 0,57  |
| 40%             | 60%            | 0,62  | 0,68  |
| Median 50%      | 50%            | 0,59  | 0,76  |
| 75%             | 25%            | 0,51  | 0,98  |
| 84%             | 16%            | 0,32  | 1,63  |
| 90%             | 10%            | 0,29  | 1,78  |
| 95%             | 5%             | 0,27  | 1,91  |

### Moments Statistics

|                        |      |
|------------------------|------|
| Mean                   | 0,97 |
| Sorting                | 0,62 |
| Skewness               | 0,29 |
| Kurtosis               | 2,31 |
| Uniformity Coefficient | 2,14 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

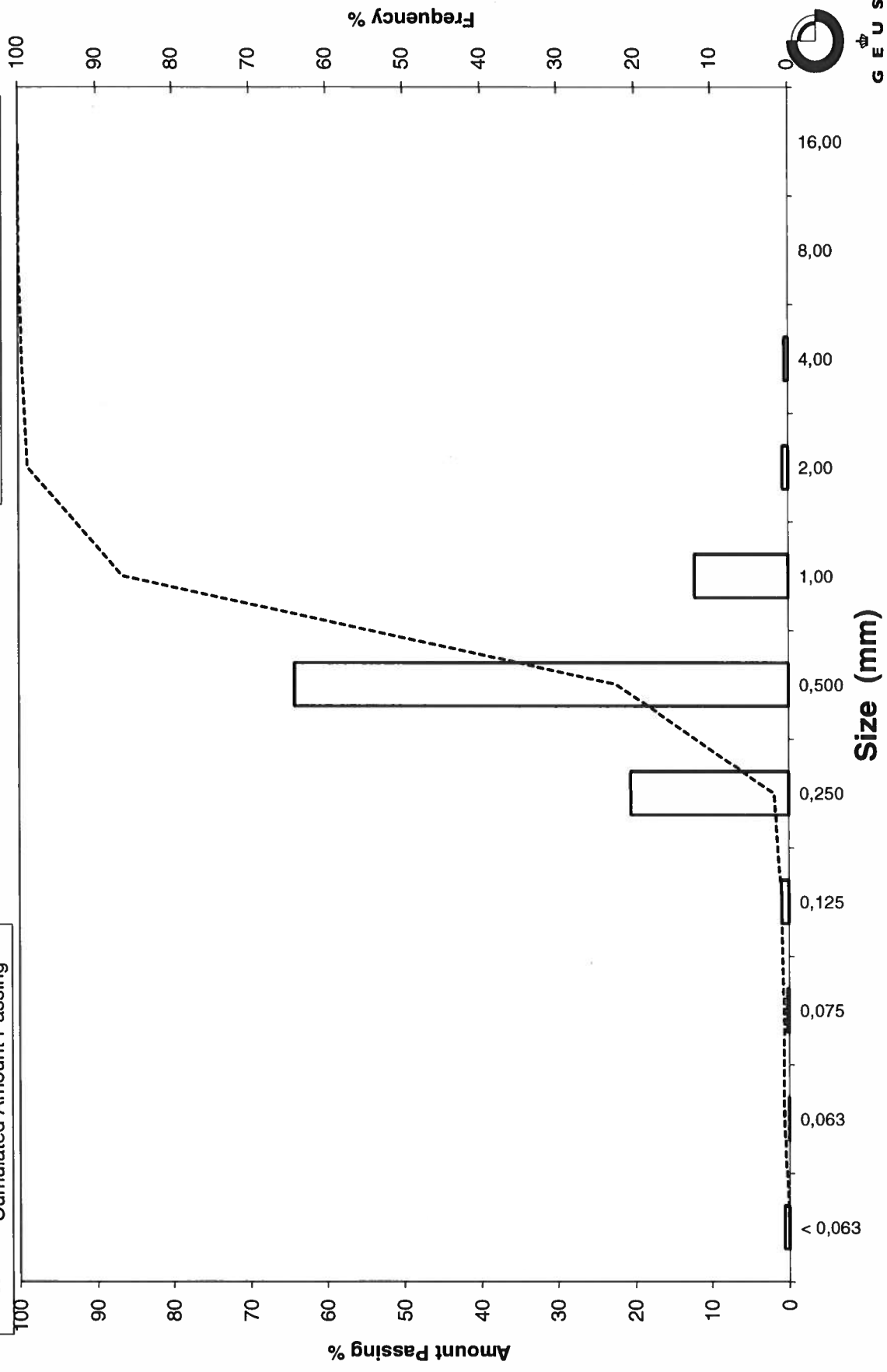
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: HR 4, 0-300

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** HR 5, 0-190  
**Lab. Id:** 200393  
**Projekt:** MST Råstøfkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 231,29 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 6,03   | 2,61   | 97,39                    |
| 8,00    | -3,00  | 4,52   | 1,95   | 95,44                    |
| 4,00    | -2,00  | 4,51   | 1,95   | 93,49                    |
| 2,00    | -1,00  | 9,26   | 4,00   | 89,49                    |
| 1,00    | 0,00   | 29,13  | 12,59  | 76,89                    |
| 0,500   | 1,00   | 95,39  | 41,24  | 35,65                    |
| 0,250   | 2,00   | 65,84  | 28,47  | 7,18                     |
| 0,125   | 3,00   | 1,88   | 0,81   | 6,37                     |
| 0,075   | 3,74   | 0,32   | 0,14   | 6,23                     |
| 0,063   | 3,99   | 0,00   | 0,00   | 6,23                     |
| < 0,063 | > 3,99 | 14,41  | 6,23   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 6,23     |
| Sand, fine (0,063 mm - 0,200 mm): | 0,95     |
| Sand, medium (0,2 mm - 0,6 mm):   | 48,11    |
| Sand, coarse (0,6 mm - 2 mm):     | 34,20    |
| Gravel (> 2 mm):                  | 10,51    |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 7,10  | -2,83 |
| 16%             | 84%            | 1,23  | -0,29 |
| 25%             | 75%            | 0,70  | 0,51  |
| 40%             | 60%            | 0,62  | 0,68  |
| Median 50%      | 50%            | 0,57  | 0,80  |
| 75%             | 25%            | 0,32  | 1,66  |
| 84%             | 16%            | 0,28  | 1,82  |
| 90%             | 10%            | 0,26  | 1,94  |
| 95%             | 5%             | ----- | ----- |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 0,78  |
| Sorting                | ----- |
| Skewness               | ----- |
| Kurtosis               | ----- |
| Uniformity Coefficient | 2,40  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

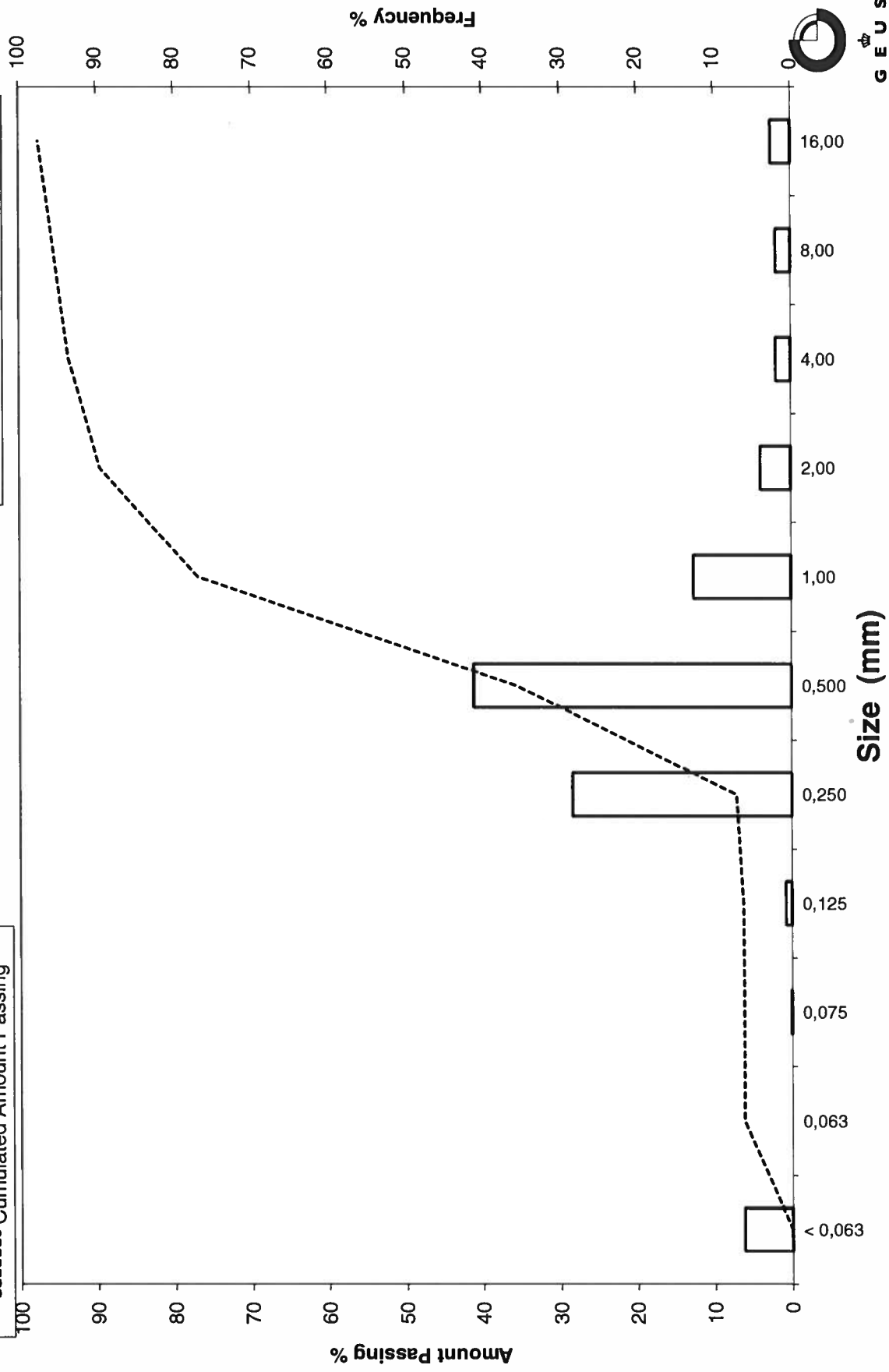
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# Grain Size Distribution

Sample Id: HR 5, 0-190

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

Geotechnical

**Sample Id:** HR 5, 190-245  
**Lab. Id:** 200394  
**Projekt:** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >8mm heraf 3,4 g skaller



**Total Weight** 1049,96 g

## Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 137,90 | 13,13  | 86,87                    |
| 8,00    | -3,00  | 53,32  | 5,08   | 81,79                    |
| 4,00    | -2,00  | 30,40  | 2,90   | 78,89                    |
| 2,00    | -1,00  | 53,25  | 5,07   | 73,82                    |
| 1,00    | 0,00   | 118,86 | 11,32  | 62,50                    |
| 0,500   | 1,00   | 427,68 | 40,73  | 21,77                    |
| 0,250   | 2,00   | 216,51 | 20,62  | 1,15                     |
| 0,125   | 3,00   | 4,82   | 0,46   | 0,69                     |
| 0,075   | 3,74   | 1,37   | 0,13   | 0,56                     |
| 0,063   | 3,99   | 0,13   | 0,01   | 0,55                     |
| < 0,063 | > 3,99 | 5,73   | 0,55   | 0,00                     |

Gravel

Sand

Sieve Analysis

## Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,55     |
| Sand, fine (0,063 mm - 0,200 mm): | 0,60     |
| Sand, medium (0,2 mm - 0,6 mm):   | 40,02    |
| Sand, coarse (0,6 mm - 2 mm):     | 32,66    |
| Gravel (> 2 mm):                  | 26,18    |
| Sum:                              | 100,00   |

## Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | ----- | ----- |
| 16%             | 84%            | 11,48 | -3,52 |
| 25%             | 75%            | 2,19  | -1,13 |
| 40%             | 60%            | 0,70  | 0,52  |
| Median 50%      | 50%            | 0,65  | 0,63  |
| 75%             | 25%            | 0,52  | 0,95  |
| 84%             | 16%            | 0,33  | 1,62  |
| 90%             | 10%            | 0,30  | 1,76  |
| 95%             | 5%             | 0,27  | 1,89  |

## Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | -0,42 |
| Sorting                | ----- |
| Skewness               | ----- |
| Kurtosis               | ----- |
| Uniformity Coefficient | 2,36  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

## Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

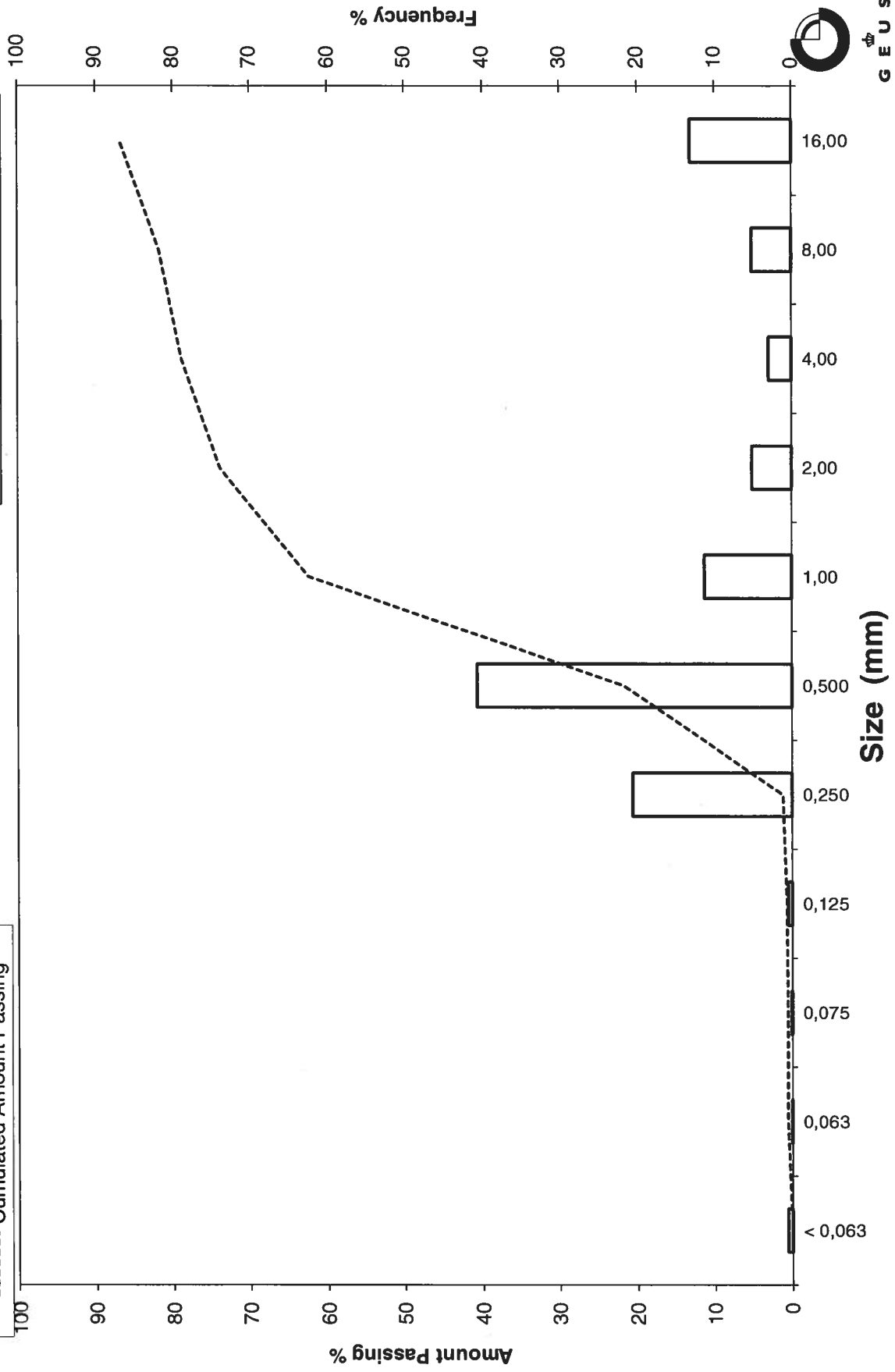
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: HR 5, 190-245

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** HR 6, 300-490  
**Lab. Id:** 200395  
**Projekt:** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 267,58 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 11,42  | 4,27   | 95,73                    |
| 4,00    | -2,00  | 1,62   | 0,60   | 95,13                    |
| 2,00    | -1,00  | 5,61   | 2,10   | 93,03                    |
| 1,00    | 0,00   | 31,66  | 11,83  | 81,20                    |
| 0,500   | 1,00   | 129,71 | 48,48  | 32,73                    |
| 0,250   | 2,00   | 82,55  | 30,85  | 1,87                     |
| 0,125   | 3,00   | 2,89   | 1,08   | 0,79                     |
| 0,075   | 3,74   | 0,21   | 0,08   | 0,72                     |
| 0,063   | 3,99   | 0,00   | 0,00   | 0,72                     |
| < 0,063 | > 3,99 | 1,91   | 0,72   | 0,00                     |

Gravel

Sand

Sieve Analysis

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,72     |
| Sand, fine (0,063 mm - 0,200 mm): | 1,16     |
| Sand, medium (0,2 mm - 0,6 mm):   | 53,94    |
| Sand, coarse (0,6 mm - 2 mm):     | 37,22    |
| Gravel (> 2 mm):                  | 6,97     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 2,75  | -1,46 |
| 16%             | 84%            | 1,09  | -0,13 |
| 25%             | 75%            | 0,68  | 0,55  |
| 40%             | 60%            | 0,62  | 0,69  |
| Median 50%      | 50%            | 0,57  | 0,80  |
| 75%             | 25%            | 0,33  | 1,61  |
| 84%             | 16%            | 0,30  | 1,75  |
| 90%             | 10%            | 0,28  | 1,85  |
| 95%             | 5%             | 0,26  | 1,94  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 0,80  |
| Sorting                | 0,98  |
| Skewness               | -0,16 |
| Kurtosis               | 1,32  |
| Uniformity Coefficient | 2,23  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

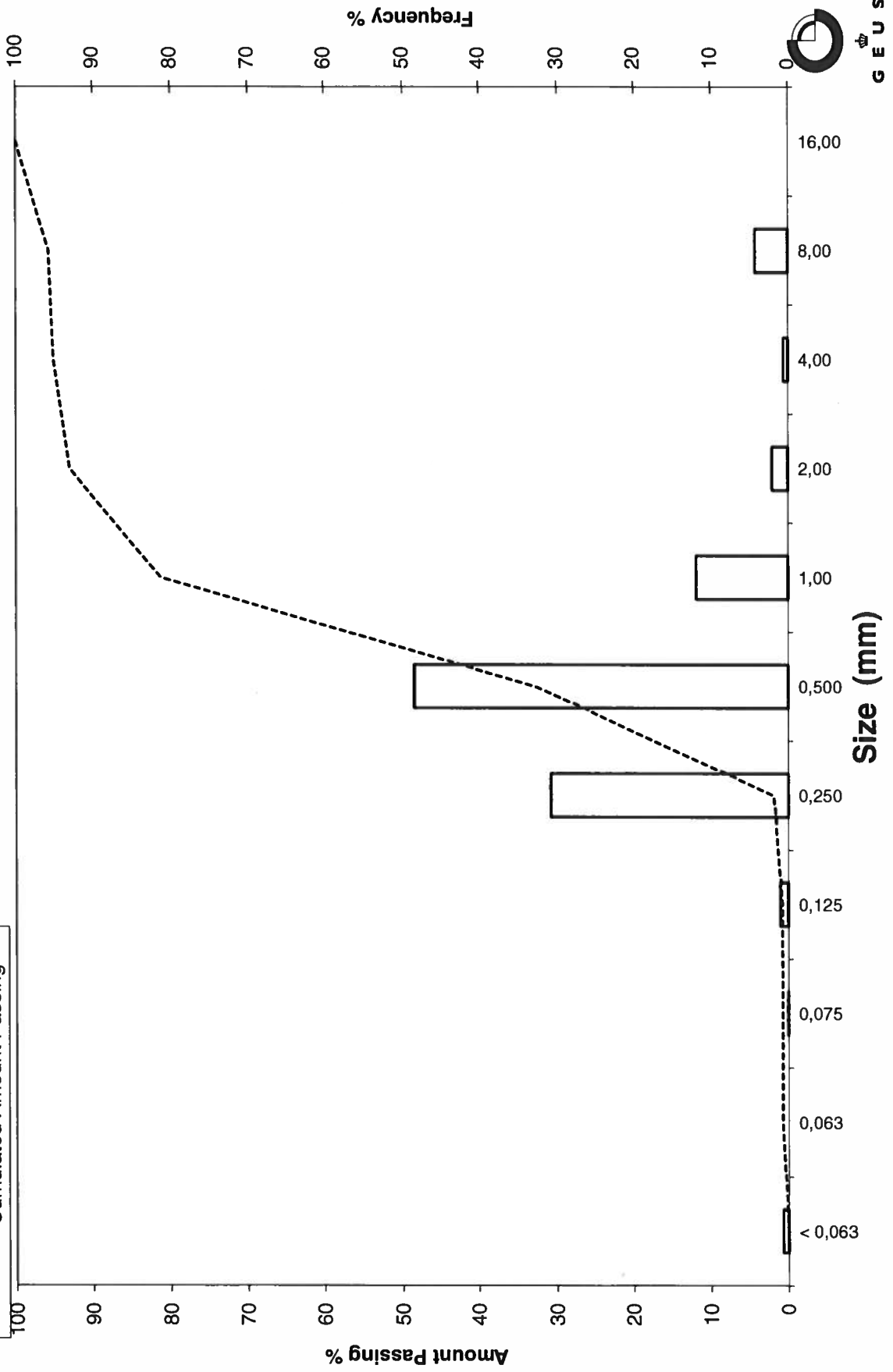
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: HR 6, 300-490

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** HR 10, 50-100  
**Lab. Id:** 200396  
**Projekt:** MST Råstøfkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >4mm heraf 0,6 g skaller



**Total Weight** 224,13 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 4,26   | 1,90   | 98,10                    |
| 4,00    | -2,00  | 1,88   | 0,84   | 97,26                    |
| 2,00    | -1,00  | 9,21   | 4,11   | 93,15                    |
| 1,00    | 0,00   | 30,35  | 13,54  | 79,61                    |
| 0,500   | 1,00   | 47,82  | 21,33  | 58,27                    |
| 0,250   | 2,00   | 61,61  | 27,49  | 30,79                    |
| 0,125   | 3,00   | 62,01  | 27,67  | 3,12                     |
| 0,075   | 3,74   | 3,91   | 1,75   | 1,37                     |
| 0,063   | 3,99   | 0,38   | 0,17   | 1,20                     |
| < 0,063 | > 3,99 | 2,70   | 1,20   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 1,20     |
| Sand, fine (0,063 mm - 0,200 mm): | 29,58    |
| Sand, medium (0,2 mm - 0,6 mm):   | 37,65    |
| Sand, coarse (0,6 mm - 2 mm):     | 24,72    |
| Gravel (> 2 mm):                  | 6,85     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 2,36  | -1,24 |
| 16%             | 84%            | 1,13  | -0,18 |
| 25%             | 75%            | 0,66  | 0,59  |
| 40%             | 60%            | 0,52  | 0,95  |
| Median 50%      | 50%            | 0,32  | 1,63  |
| 75%             | 25%            | 0,17  | 2,57  |
| 84%             | 16%            | 0,15  | 2,73  |
| 90%             | 10%            | 0,14  | 2,85  |
| 95%             | 5%             | 0,13  | 2,96  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 1,39  |
| Sorting                | 1,36  |
| Skewness               | -0,30 |
| Kurtosis               | 0,87  |
| Uniformity Coefficient | 3,73  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)  
 Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)  
 Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)  
 Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)  
 Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

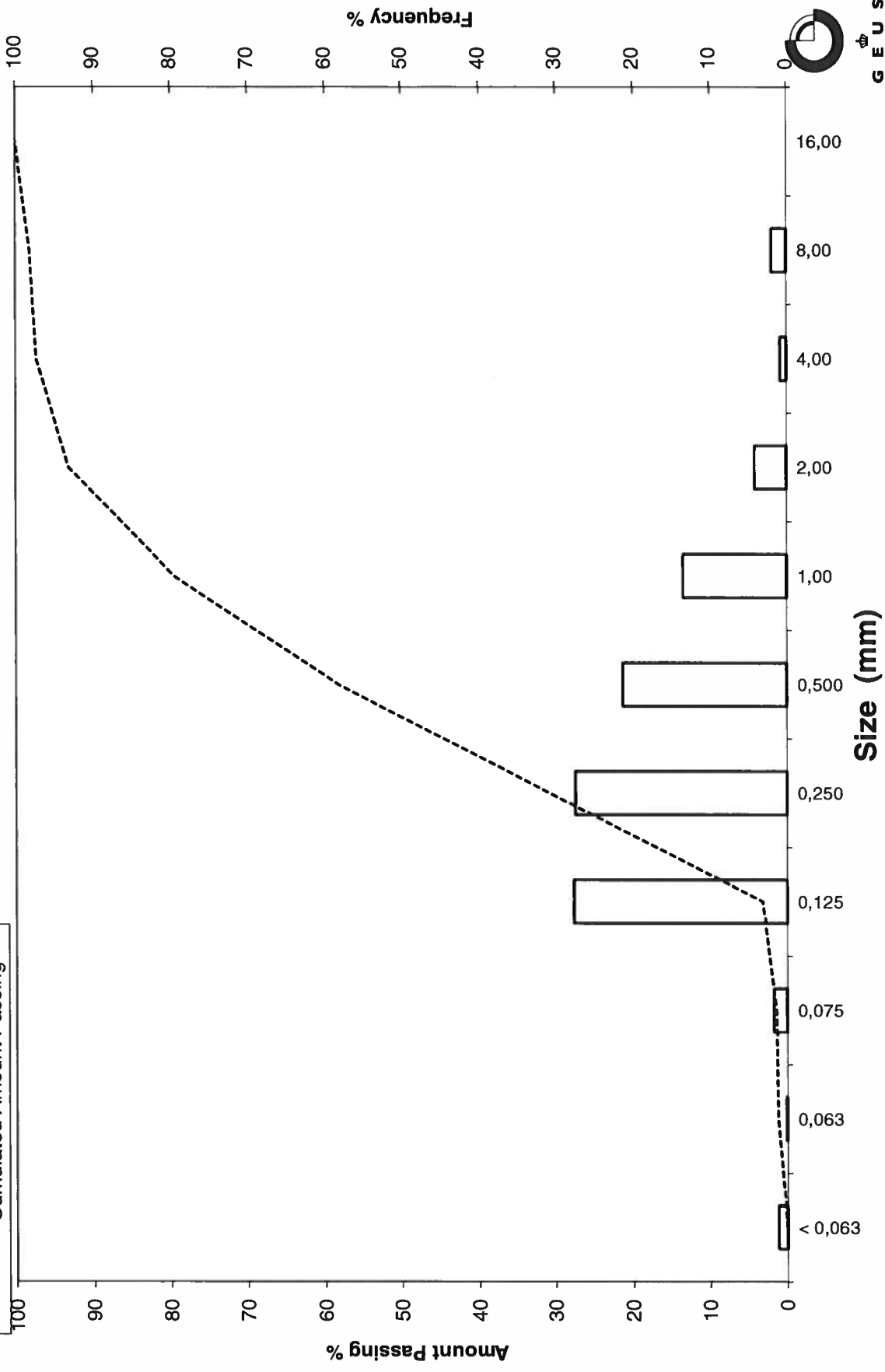
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: HR 10, 50-100

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** HR 11A, 0-100  
**Lab. Id:** 200397  
**Projekt:** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >8mm heraf 1,6g skaller



**Total Weight** 112,98 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 5,92   | 5,24   | 94,76                    |
| 4,00    | -2,00  | 0,37   | 0,33   | 94,43                    |
| 2,00    | -1,00  | 0,76   | 0,67   | 93,76                    |
| 1,00    | 0,00   | 2,64   | 2,34   | 91,42                    |
| 0,500   | 1,00   | 19,07  | 16,88  | 74,54                    |
| 0,250   | 2,00   | 78,05  | 69,08  | 5,46                     |
| 0,125   | 3,00   | 5,38   | 4,76   | 0,70                     |
| 0,075   | 3,74   | 0,26   | 0,23   | 0,47                     |
| 0,063   | 3,99   | 0,01   | 0,01   | 0,46                     |
| < 0,063 | > 3,99 | 0,52   | 0,46   | 0,00                     |

Gravel

Sand

Sieve Analysis

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,46     |
| Sand, fine (0,063 mm - 0,200 mm): | 5,00     |
| Sand, medium (0,2 mm - 0,6 mm):   | 77,12    |
| Sand, coarse (0,6 mm - 2 mm):     | 11,18    |
| Gravel (> 2 mm):                  | 6,24     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 8,37  | -3,06 |
| 16%             | 84%            | 0,62  | 0,70  |
| 25%             | 75%            | 0,51  | 0,98  |
| 40%             | 60%            | 0,33  | 1,59  |
| Median 50%      | 50%            | 0,32  | 1,65  |
| 75%             | 25%            | 0,28  | 1,84  |
| 84%             | 16%            | 0,27  | 1,91  |
| 90%             | 10%            | 0,26  | 1,96  |
| 95%             | 5%             | 0,17  | 2,52  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 1,42  |
| Sorting                | 1,15  |
| Skewness               | -0,63 |
| Kurtosis               | 2,68  |
| Uniformity Coefficient | 1,30  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

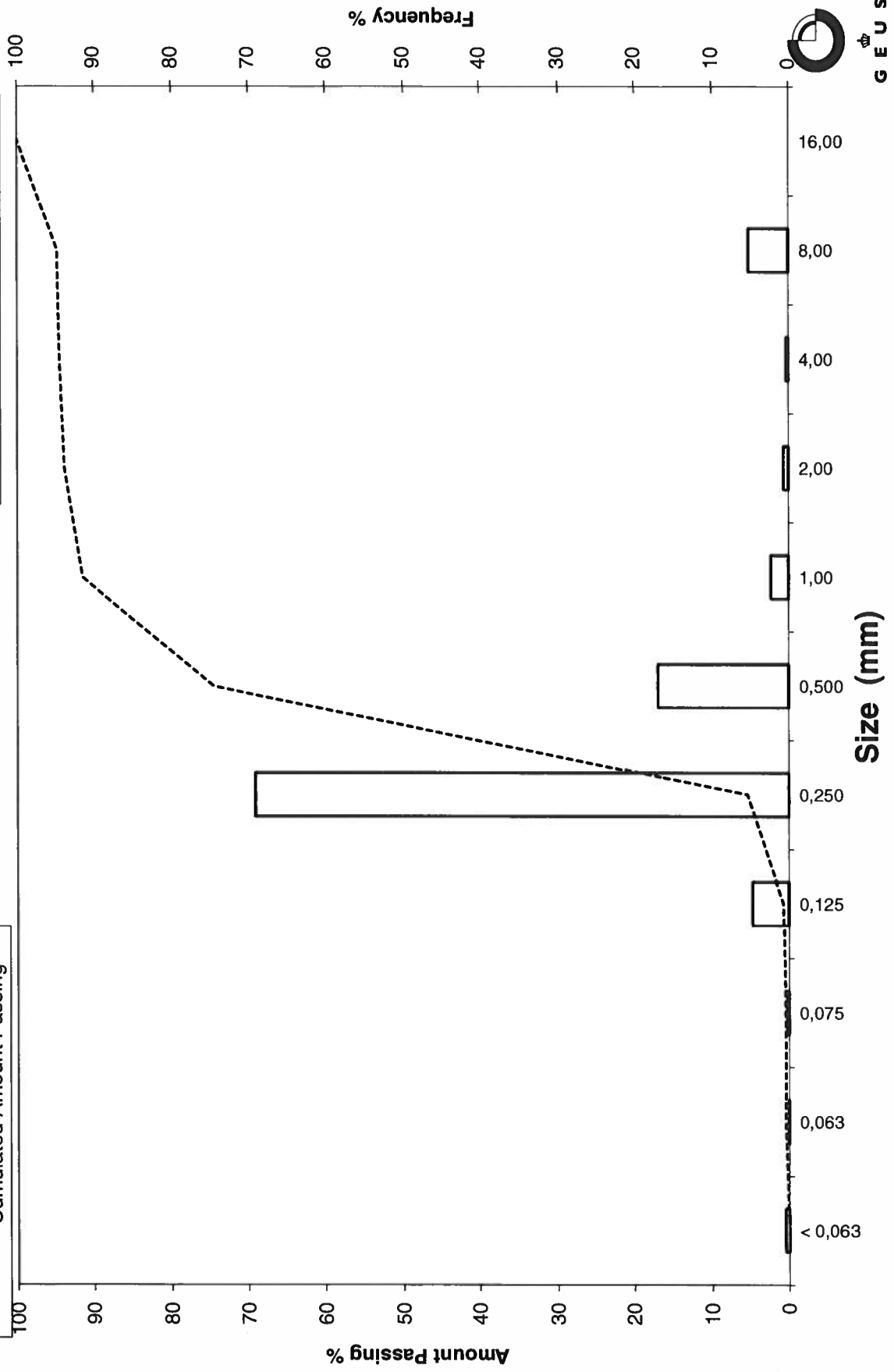
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# Grain Size Distribution

Sample Id: HR 11A, 0-100

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** HR 12, 0-50  
**Lab. Id:** 200398  
**Projekt:** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >4mm heraf 0,9 g skaller



**Total Weight** 222,48 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated<br>amount<br>passing |
|---------|--------|--------|--------|--------------------------------|
| mm      | Φ      | g      | %      | %                              |
| 16,00   | -4,00  | 12,96  | 5,83   | 94,17                          |
| 8,00    | -3,00  | 2,25   | 1,01   | 93,16                          |
| 4,00    | -2,00  | 7,16   | 3,22   | 89,94                          |
| 2,00    | -1,00  | 14,60  | 6,56   | 83,38                          |
| 1,00    | 0,00   | 30,91  | 13,89  | 69,49                          |
| 0,500   | 1,00   | 73,75  | 33,15  | 36,34                          |
| 0,250   | 2,00   | 68,31  | 30,70  | 5,63                           |
| 0,125   | 3,00   | 9,88   | 4,44   | 1,19                           |
| 0,075   | 3,74   | 1,17   | 0,53   | 0,67                           |
| 0,063   | 3,99   | 0,05   | 0,02   | 0,64                           |
| < 0,063 | > 3,99 | 1,43   | 0,64   | 0,00                           |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,64     |
| Sand, fine (0,063 mm - 0,200 mm): | 4,99     |
| Sand, medium (0,2 mm - 0,6 mm):   | 46,49    |
| Sand, coarse (0,6 mm - 2 mm):     | 31,26    |
| Gravel (> 2 mm):                  | 16,62    |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | ----- | ----- |
| 16%             | 84%            | 2,08  | -1,05 |
| 25%             | 75%            | 1,16  | -0,21 |
| 40%             | 60%            | 0,65  | 0,62  |
| Median 50%      | 50%            | 0,59  | 0,77  |
| 75%             | 25%            | 0,32  | 1,66  |
| 84%             | 16%            | 0,29  | 1,81  |
| 90%             | 10%            | 0,26  | 1,92  |
| 95%             | 5%             | 0,17  | 2,54  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 0,51  |
| Sorting                | ----- |
| Skewness               | ----- |
| Kurtosis               | ----- |
| Uniformity Coefficient | 2,45  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles  
are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

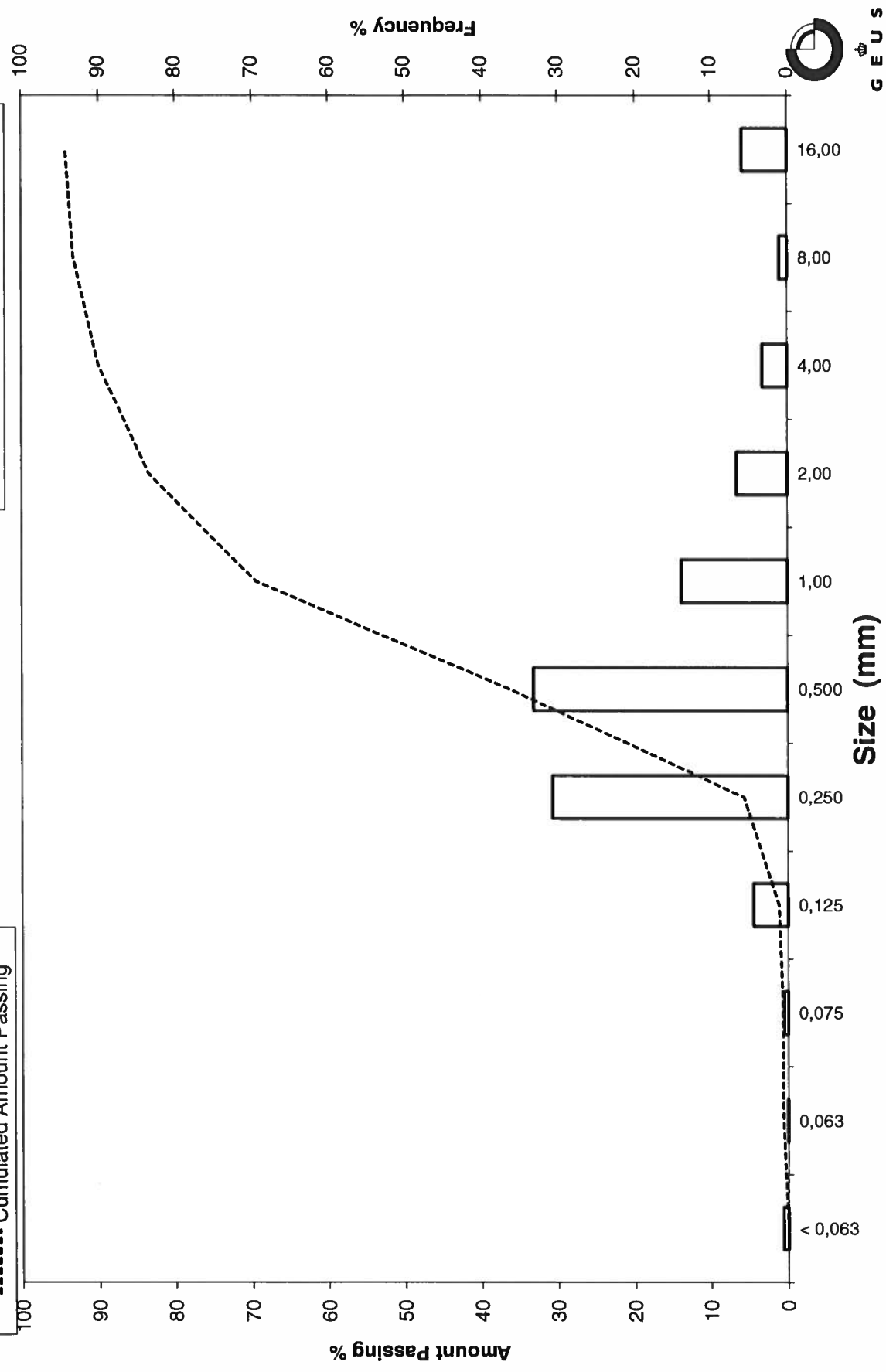
Mean, sorting, skewness and kurtosis are based on  
"Amount in sieve". Uniformity coefficient is based on  
"Amount passing".

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# Grain Size Distribution

Sample Id: HR 12, 0-50

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** HR 14A, 40-80  
**Lab. Id:** 200399  
**Projekt:** MST Råstøfkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >4mm heraf 0,2 g skaller



**Total Weight** 102,58 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,73   | 0,71   | 99,29                    |
| 2,00    | -1,00  | 0,64   | 0,62   | 98,66                    |
| 1,00    | 0,00   | 3,53   | 3,44   | 95,22                    |
| 0,500   | 1,00   | 8,91   | 8,69   | 86,54                    |
| 0,250   | 2,00   | 37,50  | 36,56  | 49,98                    |
| 0,125   | 3,00   | 47,39  | 46,20  | 3,78                     |
| 0,075   | 3,74   | 2,87   | 2,80   | 0,98                     |
| 0,063   | 3,99   | 0,10   | 0,10   | 0,89                     |
| < 0,063 | > 3,99 | 0,91   | 0,89   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,89     |
| Sand, fine (0,063 mm - 0,200 mm): | 49,09    |
| Sand, medium (0,2 mm - 0,6 mm):   | 40,69    |
| Sand, coarse (0,6 mm - 2 mm):     | 7,99     |
| Gravel (> 2 mm):                  | 1,34     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,70  | 0,51 |
| 16%             | 84%            | 0,35  | 1,52 |
| 25%             | 75%            | 0,32  | 1,64 |
| 40%             | 60%            | 0,28  | 1,84 |
| Median 50%      | 50%            | 0,25  | 2,00 |
| 75%             | 25%            | 0,15  | 2,73 |
| 84%             | 16%            | 0,14  | 2,84 |
| 90%             | 10%            | 0,13  | 2,92 |
| 95%             | 5%             | 0,13  | 2,98 |

### Moments Statistics

|                        |      |
|------------------------|------|
| Mean                   | 2,12 |
| Sorting                | 0,70 |
| Skewness               | 0,04 |
| Kurtosis               | 0,92 |
| Uniformity Coefficient | 2,11 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

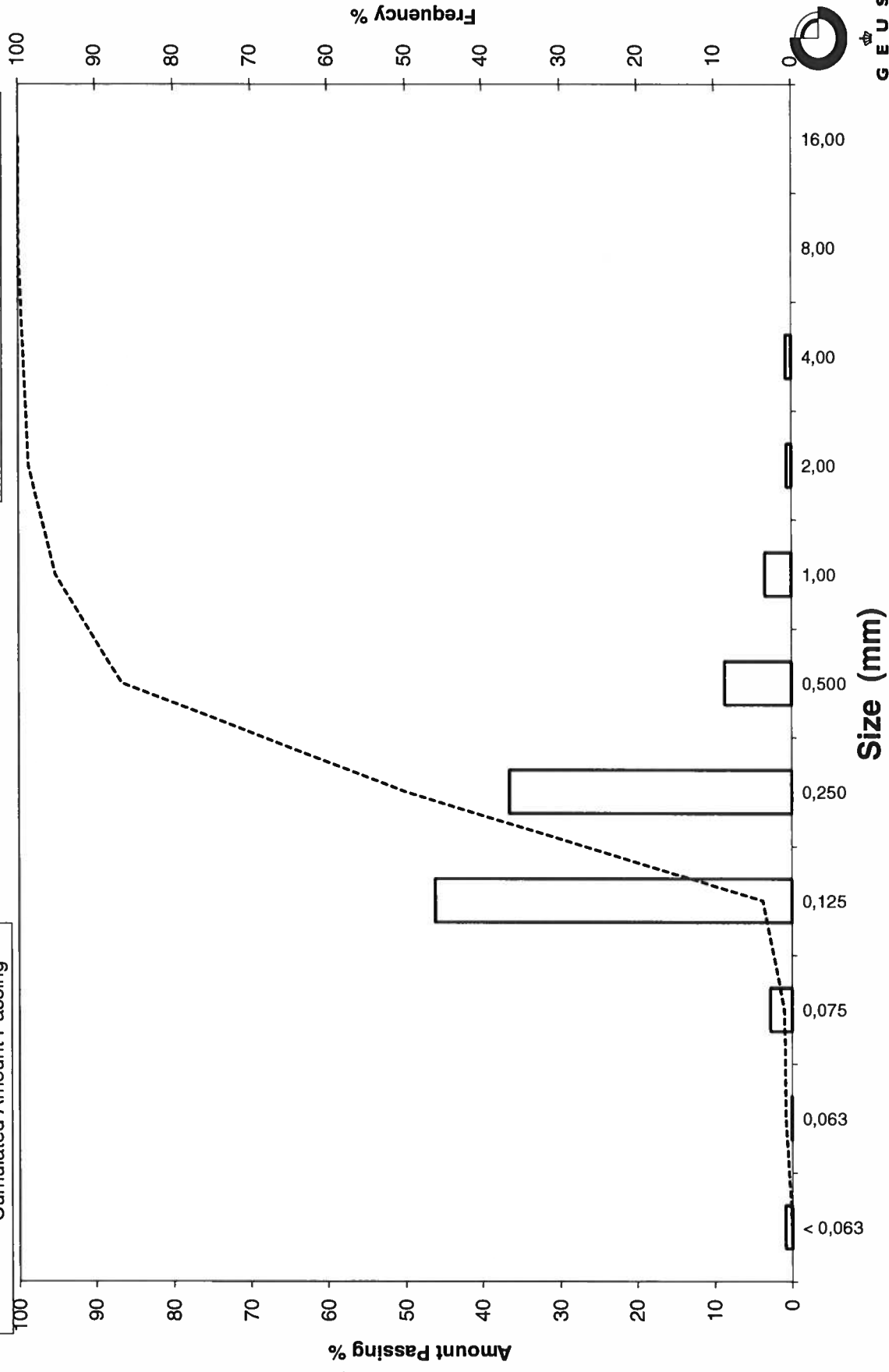
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: HR 14A, 40-80

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** HR 16, 0-50  
**Lab. Id:** 200400  
**Projekt:** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 108,55 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,78   | 0,72   | 99,28                    |
| 4,00    | -2,00  | 0,00   | 0,00   | 99,28                    |
| 2,00    | -1,00  | 1,42   | 1,31   | 97,97                    |
| 1,00    | 0,00   | 10,60  | 9,77   | 88,21                    |
| 0,500   | 1,00   | 50,44  | 46,47  | 41,74                    |
| 0,250   | 2,00   | 42,33  | 39,00  | 2,75                     |
| 0,125   | 3,00   | 2,26   | 2,08   | 0,66                     |
| 0,075   | 3,74   | 0,16   | 0,15   | 0,52                     |
| 0,063   | 3,99   | 0,00   | 0,00   | 0,52                     |
| < 0,063 | > 3,99 | 0,56   | 0,52   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,52     |
| Sand, fine (0,063 mm - 0,200 mm): | 2,23     |
| Sand, medium (0,2 mm - 0,6 mm):   | 61,12    |
| Sand, coarse (0,6 mm - 2 mm):     | 34,10    |
| Gravel (> 2 mm):                  | 2,03     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 1,28  | -0,35 |
| 16%             | 84%            | 0,69  | 0,53  |
| 25%             | 75%            | 0,65  | 0,62  |
| 40%             | 60%            | 0,58  | 0,78  |
| Median 50%      | 50%            | 0,54  | 0,90  |
| 75%             | 25%            | 0,31  | 1,69  |
| 84%             | 16%            | 0,29  | 1,81  |
| 90%             | 10%            | 0,27  | 1,89  |
| 95%             | 5%             | 0,26  | 1,97  |

### Moments Statistics

|                        |      |
|------------------------|------|
| Mean                   | 1,08 |
| Sorting                | 0,67 |
| Skewness               | 0,18 |
| Kurtosis               | 0,89 |
| Uniformity Coefficient | 2,16 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

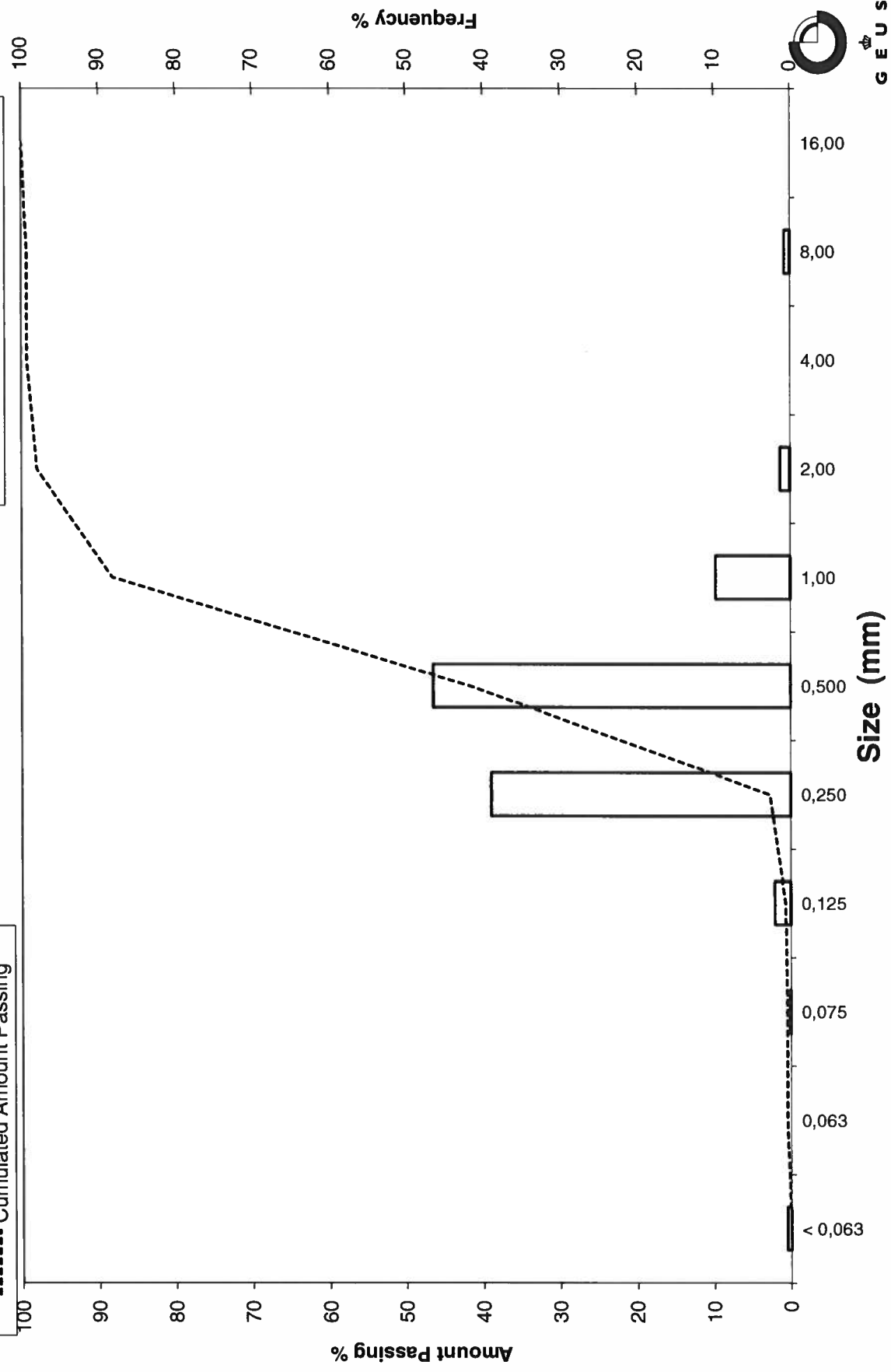
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: HR 16, 0-50

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** HR 23, 0-140  
**Lab. Id:** 200409  
**Projekt:** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >4mm heraf 3,6 g skaller



**Total Weight** 112,06 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 2,01   | 1,79   | 98,21                    |
| 8,00    | -3,00  | 1,30   | 1,16   | 97,05                    |
| 4,00    | -2,00  | 0,40   | 0,36   | 96,69                    |
| 2,00    | -1,00  | 4,57   | 4,08   | 92,61                    |
| 1,00    | 0,00   | 28,48  | 25,41  | 67,20                    |
| 0,500   | 1,00   | 14,88  | 13,28  | 53,92                    |
| 0,250   | 2,00   | 19,07  | 17,02  | 36,90                    |
| 0,125   | 3,00   | 34,89  | 31,14  | 5,76                     |
| 0,075   | 3,74   | 4,89   | 4,36   | 1,40                     |
| 0,063   | 3,99   | 0,16   | 0,14   | 1,26                     |
| < 0,063 | > 3,99 | 1,41   | 1,26   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 1,26     |
| Sand, fine (0,063 mm - 0,200 mm): | 35,64    |
| Sand, medium (0,2 mm - 0,6 mm):   | 23,34    |
| Sand, coarse (0,6 mm - 2 mm):     | 32,37    |
| Gravel (> 2 mm):                  | 7,39     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 2,47  | -1,30 |
| 16%             | 84%            | 1,26  | -0,34 |
| 25%             | 75%            | 1,12  | -0,17 |
| 40%             | 60%            | 0,60  | 0,75  |
| Median 50%      | 50%            | 0,33  | 1,60  |
| 75%             | 25%            | 0,16  | 2,65  |
| 84%             | 16%            | 0,14  | 2,81  |
| 90%             | 10%            | 0,13  | 2,92  |
| 95%             | 5%             | 0,09  | 3,52  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 1,35  |
| Sorting                | 1,52  |
| Skewness               | -0,22 |
| Kurtosis               | 0,70  |
| Uniformity Coefficient | 4,50  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

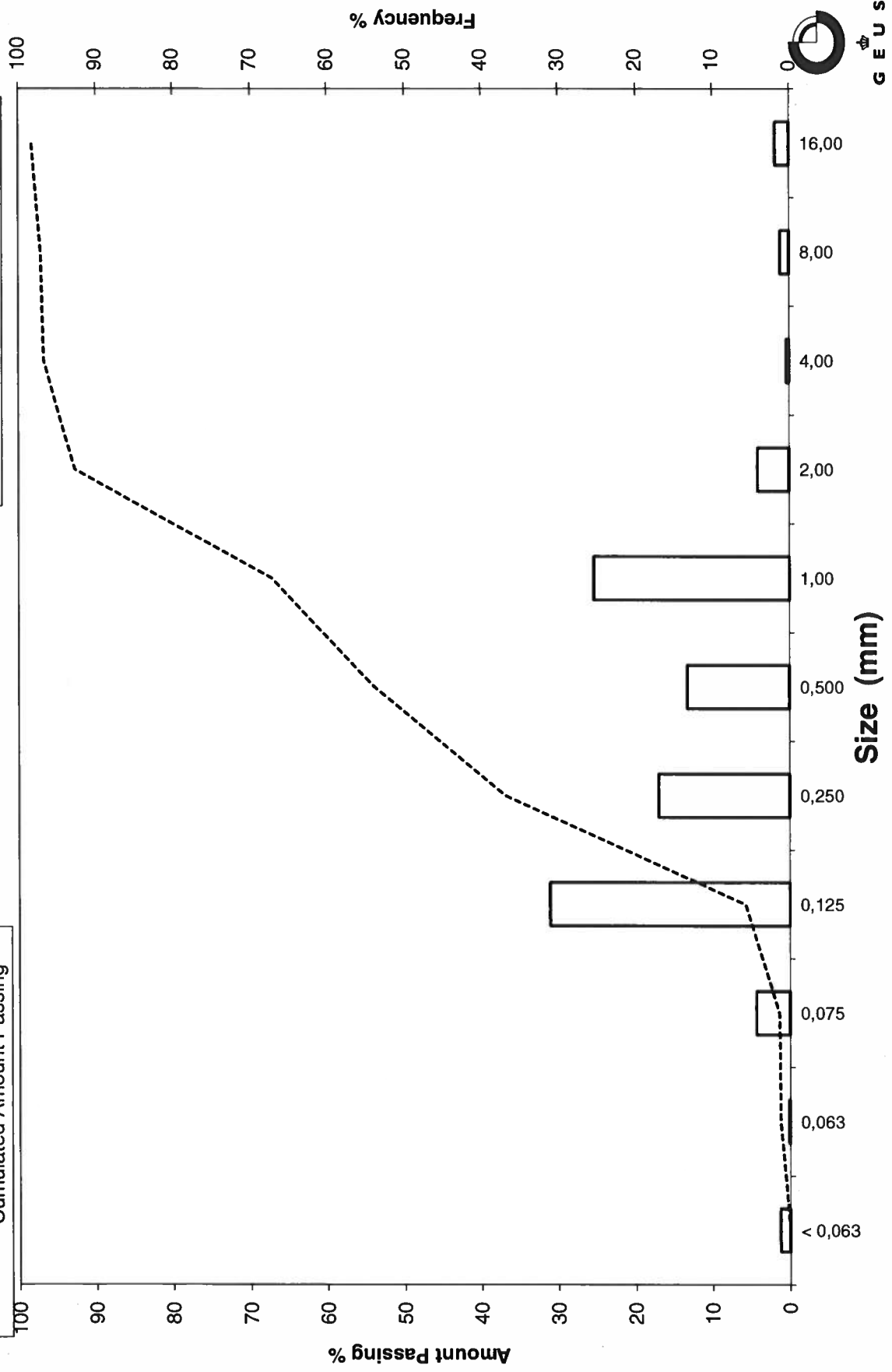
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# Grain Size Distribution

Sample Id: HR 23, 0-140

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** HR 26A, 0-50  
**Lab. Id:** 200401  
**Projekt:** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 116,16 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 6,15   | 5,29   | 94,71                    |
| 4,00    | -2,00  | 1,88   | 1,62   | 93,09                    |
| 2,00    | -1,00  | 5,06   | 4,36   | 88,73                    |
| 1,00    | 0,00   | 34,06  | 29,32  | 59,41                    |
| 0,500   | 1,00   | 32,46  | 27,94  | 31,47                    |
| 0,250   | 2,00   | 25,41  | 21,88  | 9,59                     |
| 0,125   | 3,00   | 9,58   | 8,25   | 1,34                     |
| 0,075   | 3,74   | 0,93   | 0,80   | 0,54                     |
| 0,063   | 3,99   | 0,02   | 0,02   | 0,53                     |
| < 0,063 | > 3,99 | 0,61   | 0,53   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,53     |
| Sand, fine (0,063 mm - 0,200 mm): | 9,07     |
| Sand, medium (0,2 mm - 0,6 mm):   | 35,18    |
| Sand, coarse (0,6 mm - 2 mm):     | 43,96    |
| Gravel (> 2 mm):                  | 11,27    |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 8,44  | -3,08 |
| 16%             | 84%            | 1,34  | -0,42 |
| 25%             | 75%            | 1,21  | -0,28 |
| 40%             | 60%            | 1,01  | -0,01 |
| Median 50%      | 50%            | 0,64  | 0,65  |
| 75%             | 25%            | 0,32  | 1,63  |
| 84%             | 16%            | 0,28  | 1,83  |
| 90%             | 10%            | 0,25  | 1,99  |
| 95%             | 5%             | 0,15  | 2,74  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 0,69  |
| Sorting                | 1,44  |
| Skewness               | -0,11 |
| Kurtosis               | 1,25  |
| Uniformity Coefficient | 4,00  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

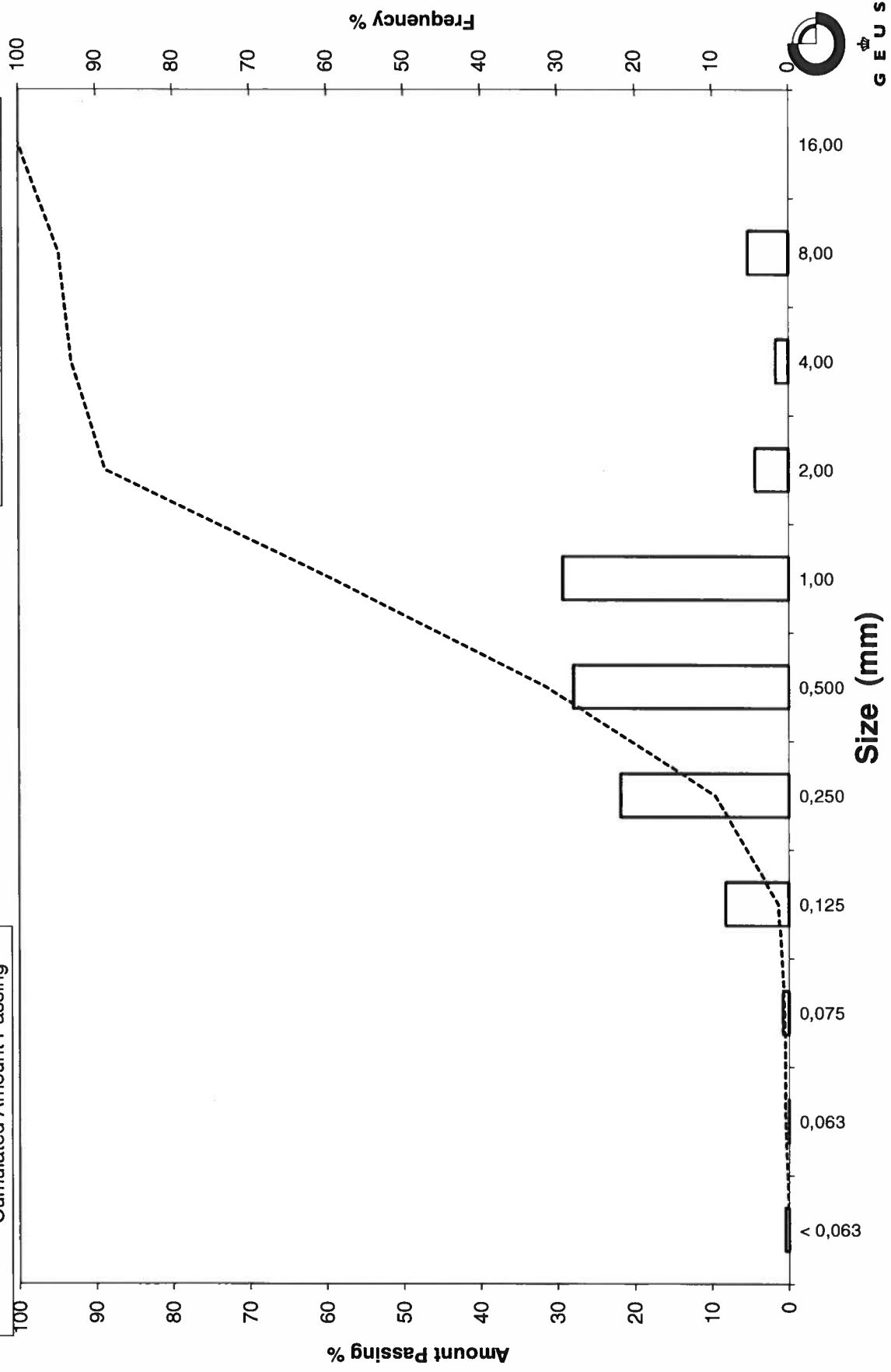
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: HR 26A, 0-50

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** HR 27, 0-280  
**Lab. Id:** 200410  
**Projekt:** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 113,24 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,98   | 0,87   | 99,13                    |
| 2,00    | -1,00  | 3,67   | 3,24   | 95,89                    |
| 1,00    | 0,00   | 4,57   | 4,04   | 91,86                    |
| 0,500   | 1,00   | 31,07  | 27,44  | 64,42                    |
| 0,250   | 2,00   | 59,41  | 52,46  | 11,96                    |
| 0,125   | 3,00   | 12,08  | 10,67  | 1,29                     |
| 0,075   | 3,74   | 0,77   | 0,68   | 0,61                     |
| 0,063   | 3,99   | 0,02   | 0,02   | 0,59                     |
| < 0,063 | > 3,99 | 0,67   | 0,59   | 0,00                     |

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,59     |
| Sand, fine (0,063 mm - 0,200 mm): | 11,37    |
| Sand, medium (0,2 mm - 0,6 mm):   | 65,53    |
| Sand, coarse (0,6 mm - 2 mm):     | 18,41    |
| Gravel (> 2 mm):                  | 4,11     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 1,31  | -0,39 |
| 16%             | 84%            | 0,65  | 0,62  |
| 25%             | 75%            | 0,58  | 0,78  |
| 40%             | 60%            | 0,35  | 1,53  |
| Median 50%      | 50%            | 0,33  | 1,62  |
| 75%             | 25%            | 0,28  | 1,86  |
| 84%             | 16%            | 0,26  | 1,95  |
| 90%             | 10%            | 0,17  | 2,56  |
| 95%             | 5%             | 0,14  | 2,79  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 1,40  |
| Sorting                | 0,82  |
| Skewness               | -0,38 |
| Kurtosis               | 1,22  |
| Uniformity Coefficient | 2,04  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

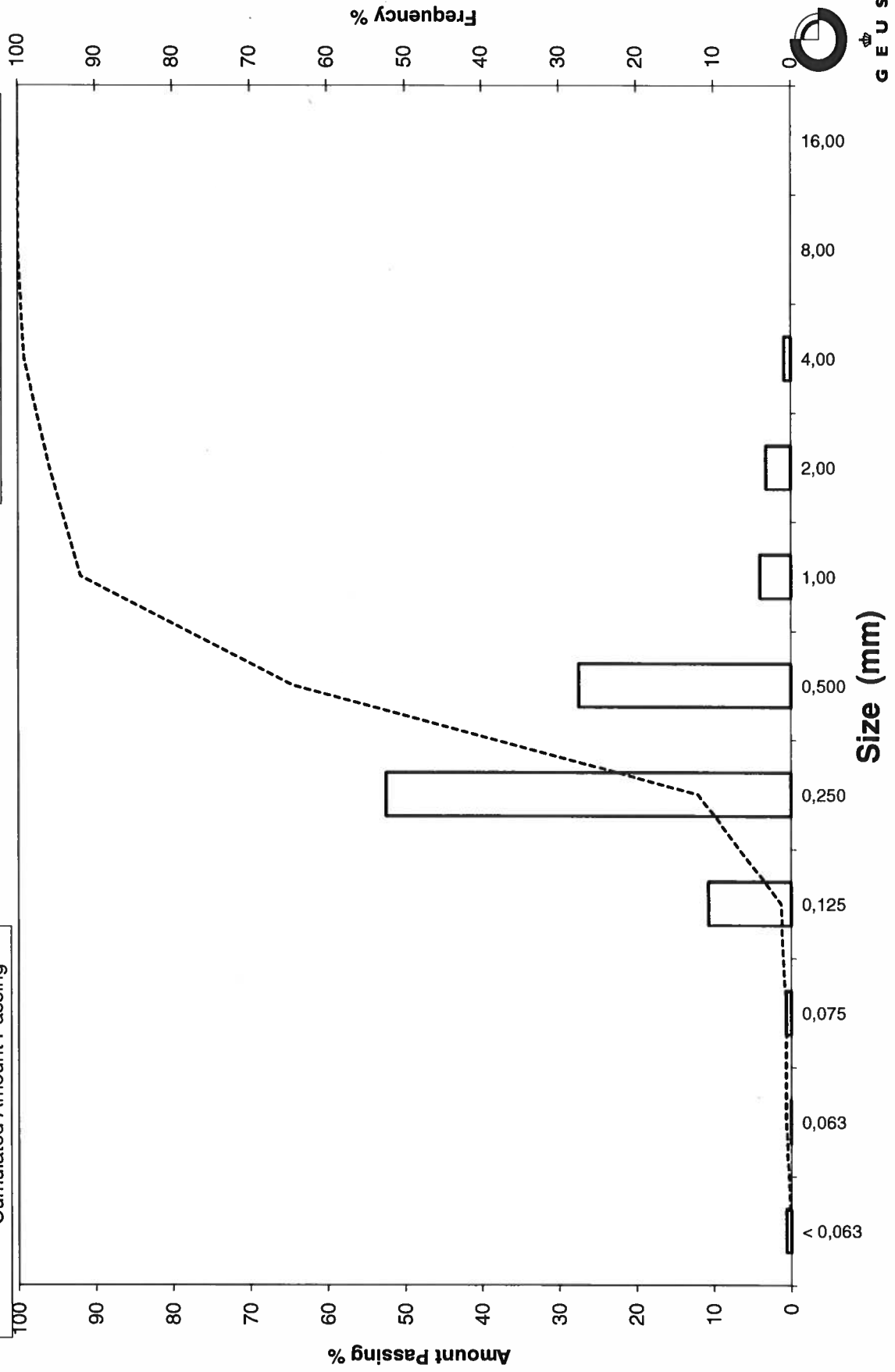
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: HR 27, 0-280

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** HR 28, 0-250  
**Lab. Id:** 200411  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 106,84 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,09   | 0,08   | 99,92                    |
| 2,00    | -1,00  | 0,69   | 0,65   | 99,27                    |
| 1,00    | 0,00   | 6,43   | 6,02   | 93,25                    |
| 0,500   | 1,00   | 18,55  | 17,36  | 75,89                    |
| 0,250   | 2,00   | 43,08  | 40,32  | 35,57                    |
| 0,125   | 3,00   | 31,84  | 29,80  | 5,77                     |
| 0,075   | 3,74   | 3,72   | 3,48   | 2,28                     |
| 0,063   | 3,99   | 0,34   | 0,32   | 1,97                     |
| < 0,063 | > 3,99 | 2,10   | 1,97   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 1,97     |
| Sand, fine (0,063 mm - 0,200 mm): | 33,60    |
| Sand, medium (0,2 mm - 0,6 mm):   | 48,59    |
| Sand, coarse (0,6 mm - 2 mm):     | 15,11    |
| Gravel (> 2 mm):                  | 0,73     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 1,12  | -0,16 |
| 16%             | 84%            | 0,60  | 0,74  |
| 25%             | 75%            | 0,35  | 1,50  |
| 40%             | 60%            | 0,31  | 1,67  |
| Median 50%      | 50%            | 0,29  | 1,80  |
| 75%             | 25%            | 0,16  | 2,64  |
| 84%             | 16%            | 0,14  | 2,80  |
| 90%             | 10%            | 0,13  | 2,91  |
| 95%             | 5%             | 0,09  | 3,53  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 1,78  |
| Sorting                | 1,07  |
| Skewness               | -0,04 |
| Kurtosis               | 1,33  |
| Uniformity Coefficient | 2,36  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgt-Bulletin 1988)

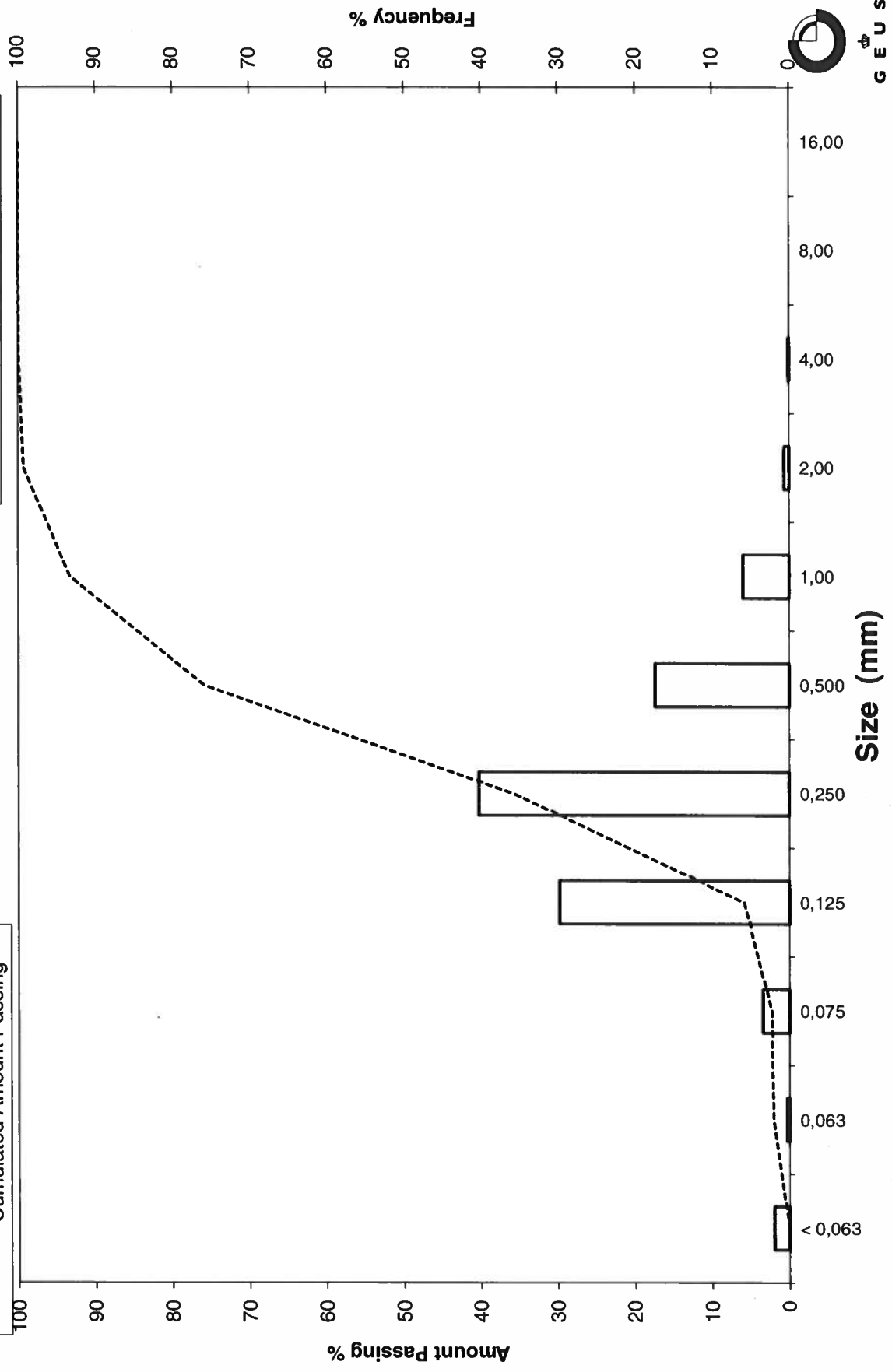
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: HR 28, 0-250

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** HR 31, 0-86  
**Lab. Id:** 200412  
**Projekt:** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >8mm heraf 0,6 g skaller



**Total Weight** 337,47 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 10,50  | 3,11   | 96,89                    |
| 4,00    | -2,00  | 22,46  | 6,65   | 90,23                    |
| 2,00    | -1,00  | 42,50  | 12,59  | 77,64                    |
| 1,00    | 0,00   | 77,78  | 23,05  | 54,59                    |
| 0,500   | 1,00   | 96,20  | 28,51  | 26,09                    |
| 0,250   | 2,00   | 71,41  | 21,16  | 4,93                     |
| 0,125   | 3,00   | 13,26  | 3,93   | 1,00                     |
| 0,075   | 3,74   | 1,31   | 0,39   | 0,61                     |
| 0,063   | 3,99   | 0,08   | 0,02   | 0,59                     |
| < 0,063 | > 3,99 | 1,98   | 0,59   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,59     |
| Sand, fine (0,063 mm - 0,200 mm): | 4,34     |
| Sand, medium (0,2 mm - 0,6 mm):   | 34,73    |
| Sand, coarse (0,6 mm - 2 mm):     | 37,98    |
| Gravel (> 2 mm):                  | 22,36    |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 6,86  | -2,78 |
| 16%             | 84%            | 2,40  | -1,27 |
| 25%             | 75%            | 1,35  | -0,44 |
| 40%             | 60%            | 1,09  | -0,13 |
| Median 50%      | 50%            | 0,68  | 0,56  |
| 75%             | 25%            | 0,35  | 1,52  |
| 84%             | 16%            | 0,30  | 1,71  |
| 90%             | 10%            | 0,28  | 1,86  |
| 95%             | 5%             | 0,25  | 2,00  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 0,34  |
| Sorting                | 1,47  |
| Skewness               | -0,31 |
| Kurtosis               | 1,00  |
| Uniformity Coefficient | 3,98  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

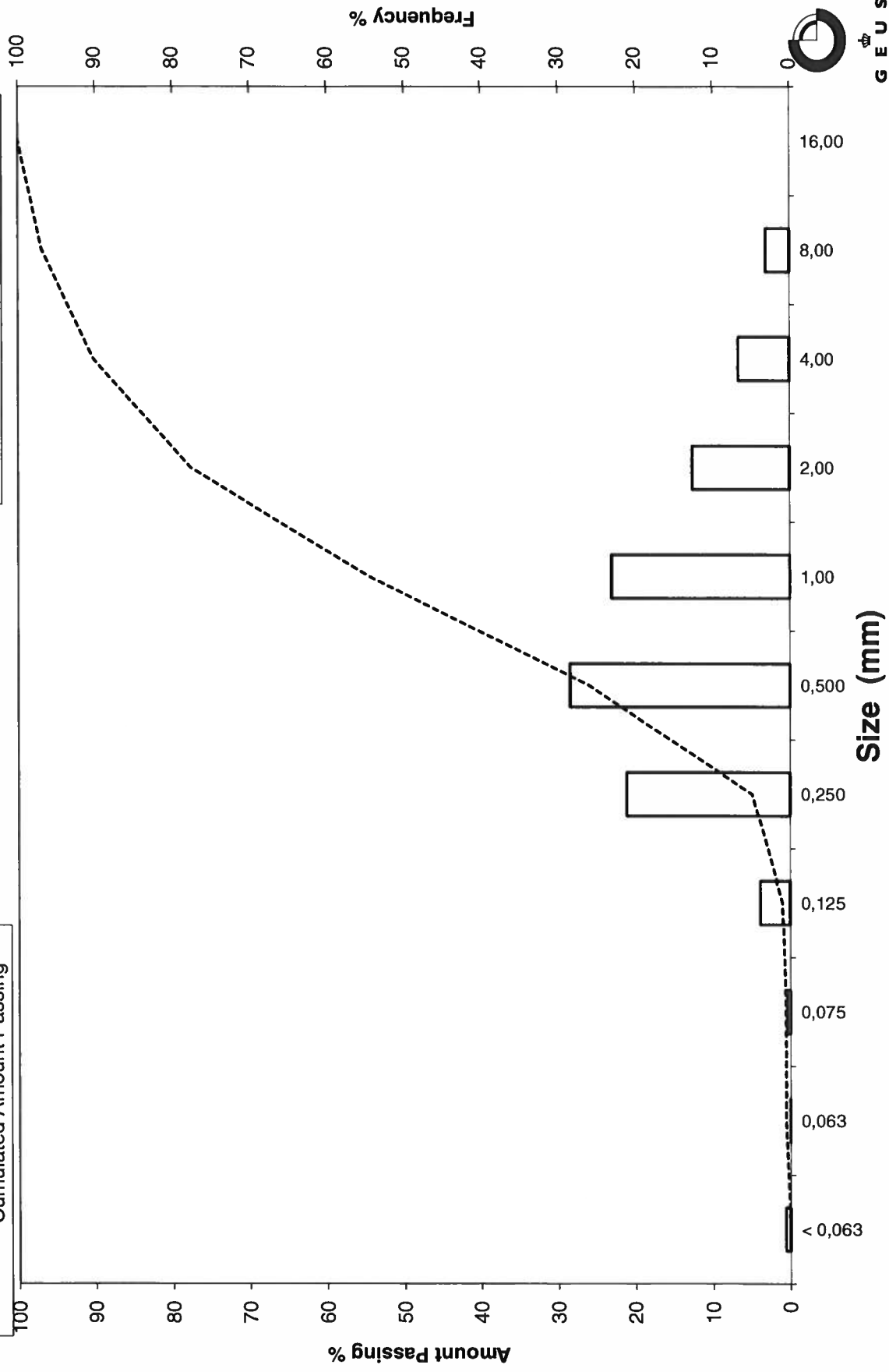
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# Grain Size Distribution

Sample Id: HR 31, 0-86

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** HR 32, 0-200  
**Lab. Id:** 200413  
**Projekt:** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 112,2 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,00   | 0,00   | 100,00                   |
| 2,00    | -1,00  | 1,68   | 1,50   | 98,50                    |
| 1,00    | 0,00   | 11,56  | 10,30  | 88,20                    |
| 0,500   | 1,00   | 20,68  | 18,43  | 69,77                    |
| 0,250   | 2,00   | 22,04  | 19,64  | 50,12                    |
| 0,125   | 3,00   | 41,88  | 37,33  | 12,80                    |
| 0,075   | 3,74   | 11,18  | 9,96   | 2,83                     |
| 0,063   | 3,99   | 0,46   | 0,41   | 2,42                     |
| < 0,063 | > 3,99 | 2,72   | 2,42   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 2,42     |
| Sand, fine (0,063 mm - 0,200 mm): | 47,70    |
| Sand, medium (0,2 mm - 0,6 mm):   | 28,42    |
| Sand, coarse (0,6 mm - 2 mm):     | 19,96    |
| Gravel (> 2 mm):                  | 1,50     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 1,26  | -0,34 |
| 16%             | 84%            | 0,66  | 0,59  |
| 25%             | 75%            | 0,56  | 0,84  |
| 40%             | 60%            | 0,30  | 1,72  |
| Median 50%      | 50%            | 0,18  | 2,48  |
| 75%             | 25%            | 0,14  | 2,81  |
| 84%             | 16%            | 0,13  | 2,95  |
| 90%             | 10%            | 0,09  | 3,54  |
| 95%             | 5%             | 0,08  | 3,68  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 2,01  |
| Sorting                | 1,20  |
| Skewness               | -0,50 |
| Kurtosis               | 0,84  |
| Uniformity Coefficient | 3,53  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

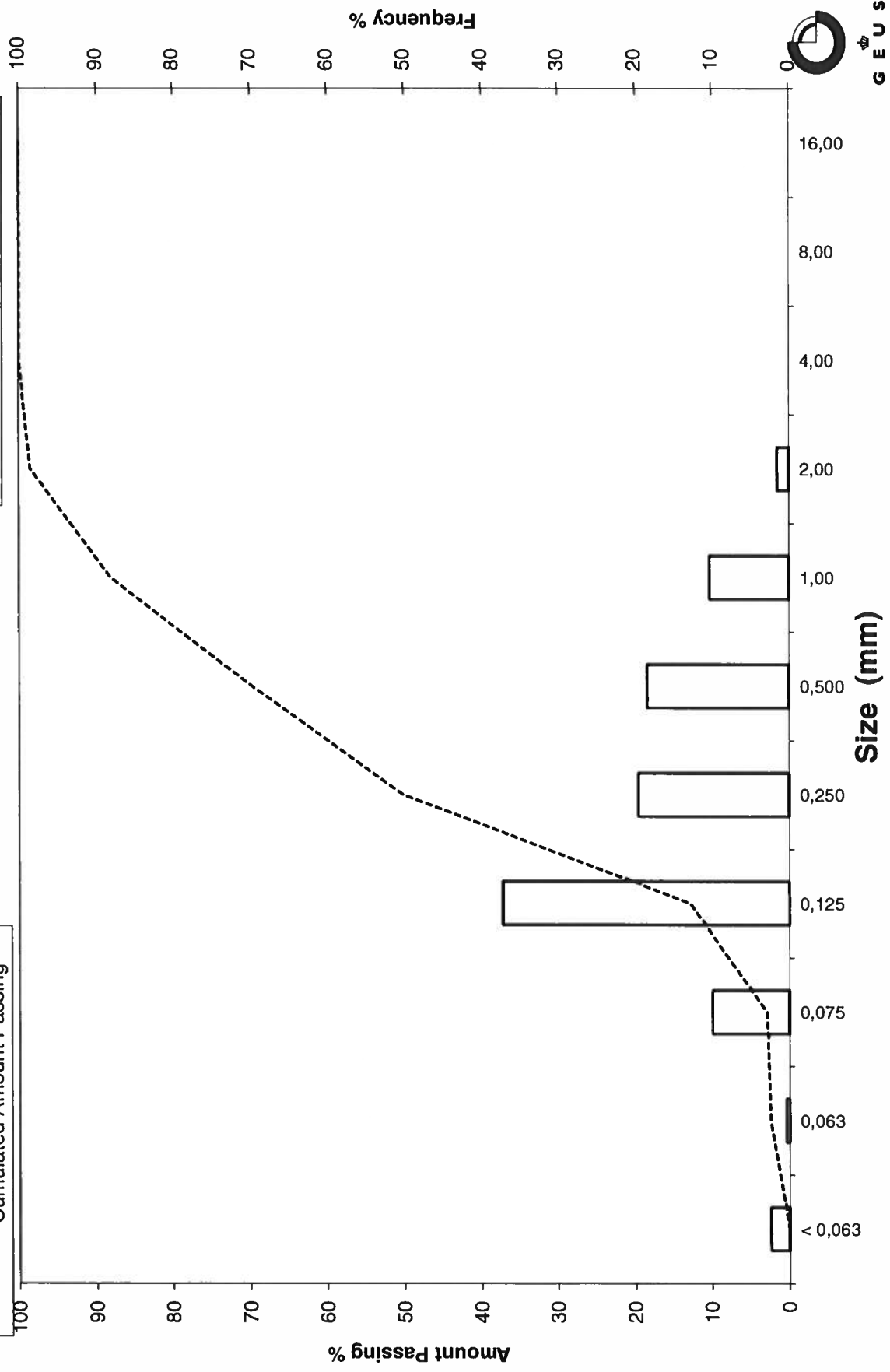
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: HR 32, 0-200

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** HR 35, 0-100  
**Lab. Id:** 200402  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >4mm heraf 0,2 g skaller



**Total Weight** 140,37 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 3,45   | 2,46   | 97,54                    |
| 4,00    | -2,00  | 1,90   | 1,35   | 96,19                    |
| 2,00    | -1,00  | 2,72   | 1,94   | 94,25                    |
| 1,00    | 0,00   | 11,75  | 8,37   | 85,88                    |
| 0,500   | 1,00   | 82,15  | 58,52  | 27,36                    |
| 0,250   | 2,00   | 33,97  | 24,20  | 3,16                     |
| 0,125   | 3,00   | 3,25   | 2,32   | 0,84                     |
| 0,075   | 3,74   | 0,34   | 0,24   | 0,60                     |
| 0,063   | 3,99   | 0,05   | 0,04   | 0,56                     |
| < 0,063 | > 3,99 | 0,79   | 0,56   | 0,00                     |

Gravel

Sand

Sieve Analysis

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,56     |
| Sand, fine (0,063 mm - 0,200 mm): | 2,59     |
| Sand, medium (0,2 mm - 0,6 mm):   | 52,07    |
| Sand, coarse (0,6 mm - 2 mm):     | 39,03    |
| Gravel (> 2 mm):                  | 5,75     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 2,31  | -1,21 |
| 16%             | 84%            | 0,70  | 0,51  |
| 25%             | 75%            | 0,67  | 0,58  |
| 40%             | 60%            | 0,62  | 0,70  |
| Median 50%      | 50%            | 0,58  | 0,78  |
| 75%             | 25%            | 0,34  | 1,54  |
| 84%             | 16%            | 0,31  | 1,71  |
| 90%             | 10%            | 0,28  | 1,84  |
| 95%             | 5%             | 0,26  | 1,95  |

### Moments Statistics

|                        |      |
|------------------------|------|
| Mean                   | 1,00 |
| Sorting                | 0,78 |
| Skewness               | 0,14 |
| Kurtosis               | 1,35 |
| Uniformity Coefficient | 2,21 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

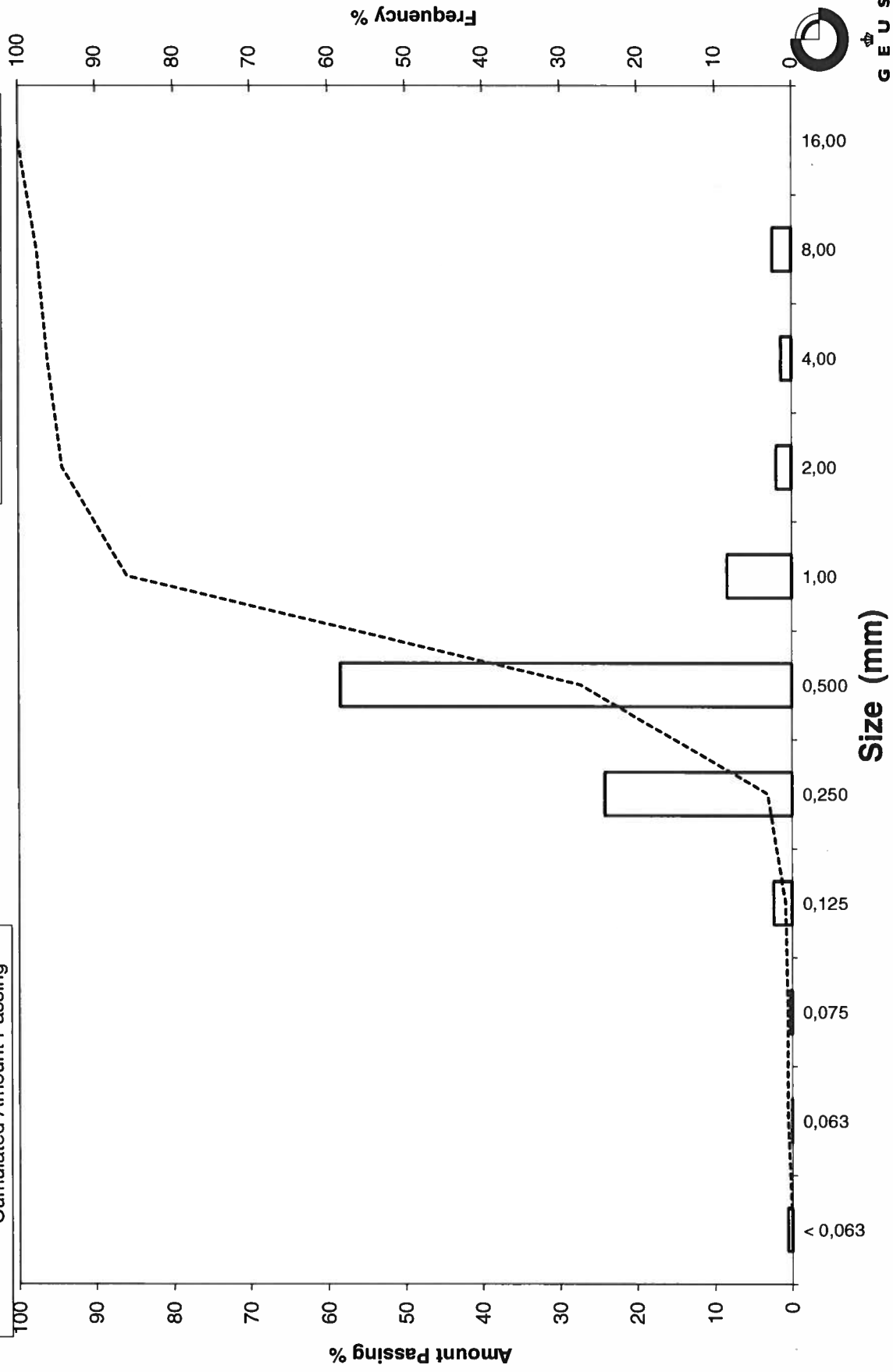
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: HR 35, 0-100

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** HR 36, 0-130  
**Lab. Id:** 200414  
**Projekt:** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 105,67 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 1,04   | 0,98   | 99,02                    |
| 2,00    | -1,00  | 6,29   | 5,95   | 93,06                    |
| 1,00    | 0,00   | 19,74  | 18,68  | 74,38                    |
| 0,500   | 1,00   | 24,48  | 23,17  | 51,22                    |
| 0,250   | 2,00   | 22,76  | 21,54  | 29,68                    |
| 0,125   | 3,00   | 26,28  | 24,87  | 4,81                     |
| 0,075   | 3,74   | 2,86   | 2,71   | 2,10                     |
| 0,063   | 3,99   | 0,24   | 0,23   | 1,87                     |
| < 0,063 | > 3,99 | 1,98   | 1,87   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 1,87     |
| Sand, fine (0,063 mm - 0,200 mm): | 27,80    |
| Sand, medium (0,2 mm - 0,6 mm):   | 32,57    |
| Sand, coarse (0,6 mm - 2 mm):     | 30,82    |
| Gravel (> 2 mm):                  | 6,94     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 2,26  | -1,18 |
| 16%             | 84%            | 1,21  | -0,27 |
| 25%             | 75%            | 1,01  | -0,02 |
| 40%             | 60%            | 0,58  | 0,79  |
| Median 50%      | 50%            | 0,35  | 1,52  |
| 75%             | 25%            | 0,17  | 2,56  |
| 84%             | 16%            | 0,15  | 2,74  |
| 90%             | 10%            | 0,14  | 2,87  |
| 95%             | 5%             | 0,13  | 3,00  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 1,33  |
| Sorting                | 1,38  |
| Skewness               | -0,24 |
| Kurtosis               | 0,66  |
| Uniformity Coefficient | 4,25  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

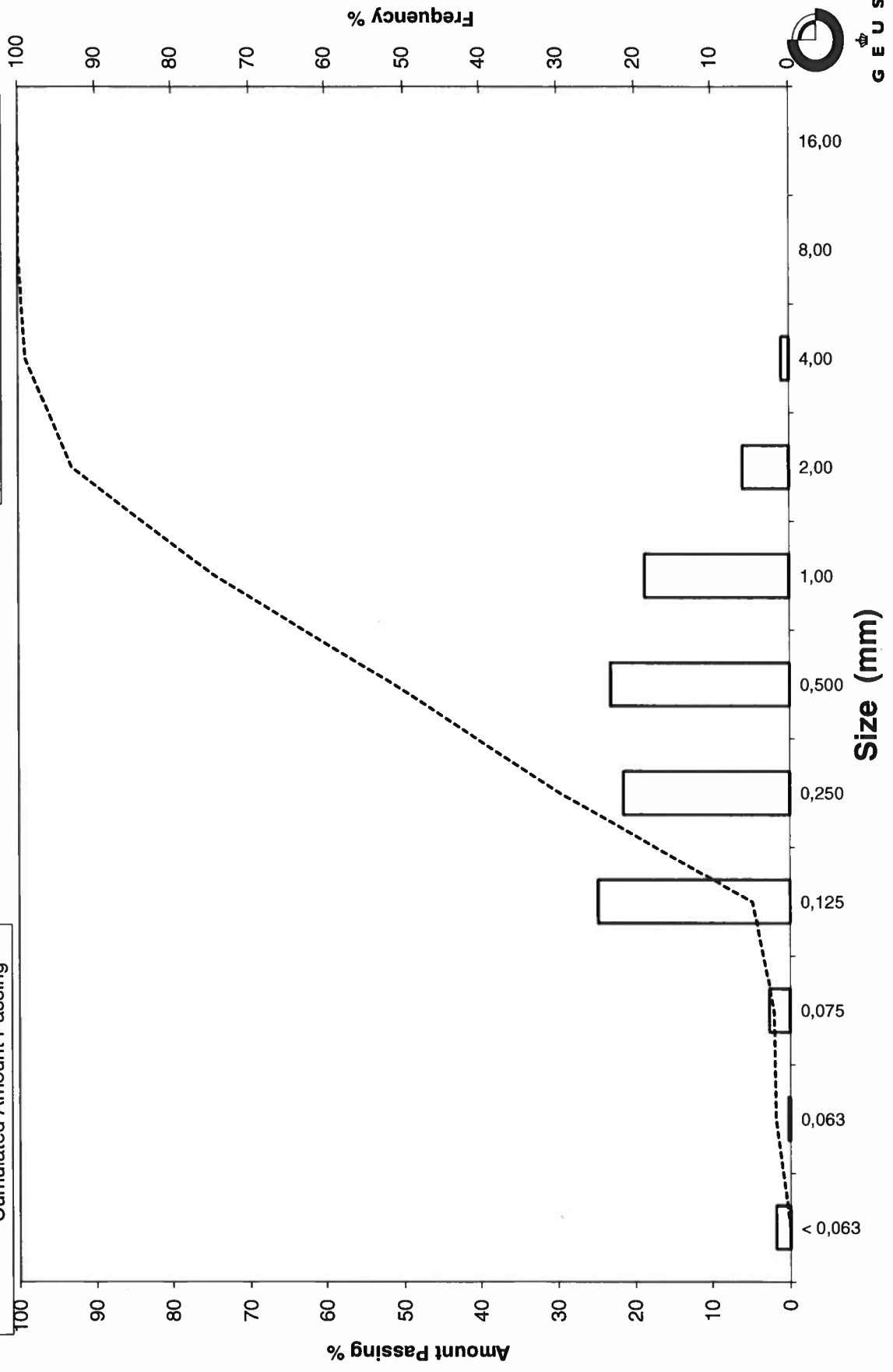
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: HR 36, 0-130

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** HR 36, 150-200  
**Lab. Id:** 200415  
**Projekt:** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 97,04 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,21   | 0,22   | 99,78                    |
| 2,00    | -1,00  | 0,39   | 0,40   | 99,38                    |
| 1,00    | 0,00   | 3,63   | 3,74   | 95,64                    |
| 0,500   | 1,00   | 13,30  | 13,71  | 81,94                    |
| 0,250   | 2,00   | 26,26  | 27,06  | 54,87                    |
| 0,125   | 3,00   | 46,42  | 47,84  | 7,04                     |
| 0,075   | 3,74   | 2,72   | 2,80   | 4,24                     |
| 0,063   | 3,99   | 0,31   | 0,32   | 3,92                     |
| < 0,063 | > 3,99 | 3,80   | 3,92   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 3,92     |
| Sand, fine (0,063 mm - 0,200 mm): | 50,96    |
| Sand, medium (0,2 mm - 0,6 mm):   | 33,59    |
| Sand, coarse (0,6 mm - 2 mm):     | 10,92    |
| Gravel (> 2 mm):                  | 0,62     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,70  | 0,51 |
| 16%             | 84%            | 0,53  | 0,91 |
| 25%             | 75%            | 0,33  | 1,61 |
| 40%             | 60%            | 0,27  | 1,89 |
| Median 50%      | 50%            | 0,17  | 2,52 |
| 75%             | 25%            | 0,15  | 2,78 |
| 84%             | 16%            | 0,14  | 2,89 |
| 90%             | 10%            | 0,13  | 2,96 |
| 95%             | 5%             | 0,08  | 3,66 |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 2,11  |
| Sorting                | 0,97  |
| Skewness               | -0,45 |
| Kurtosis               | 1,10  |
| Uniformity Coefficient | 2,10  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

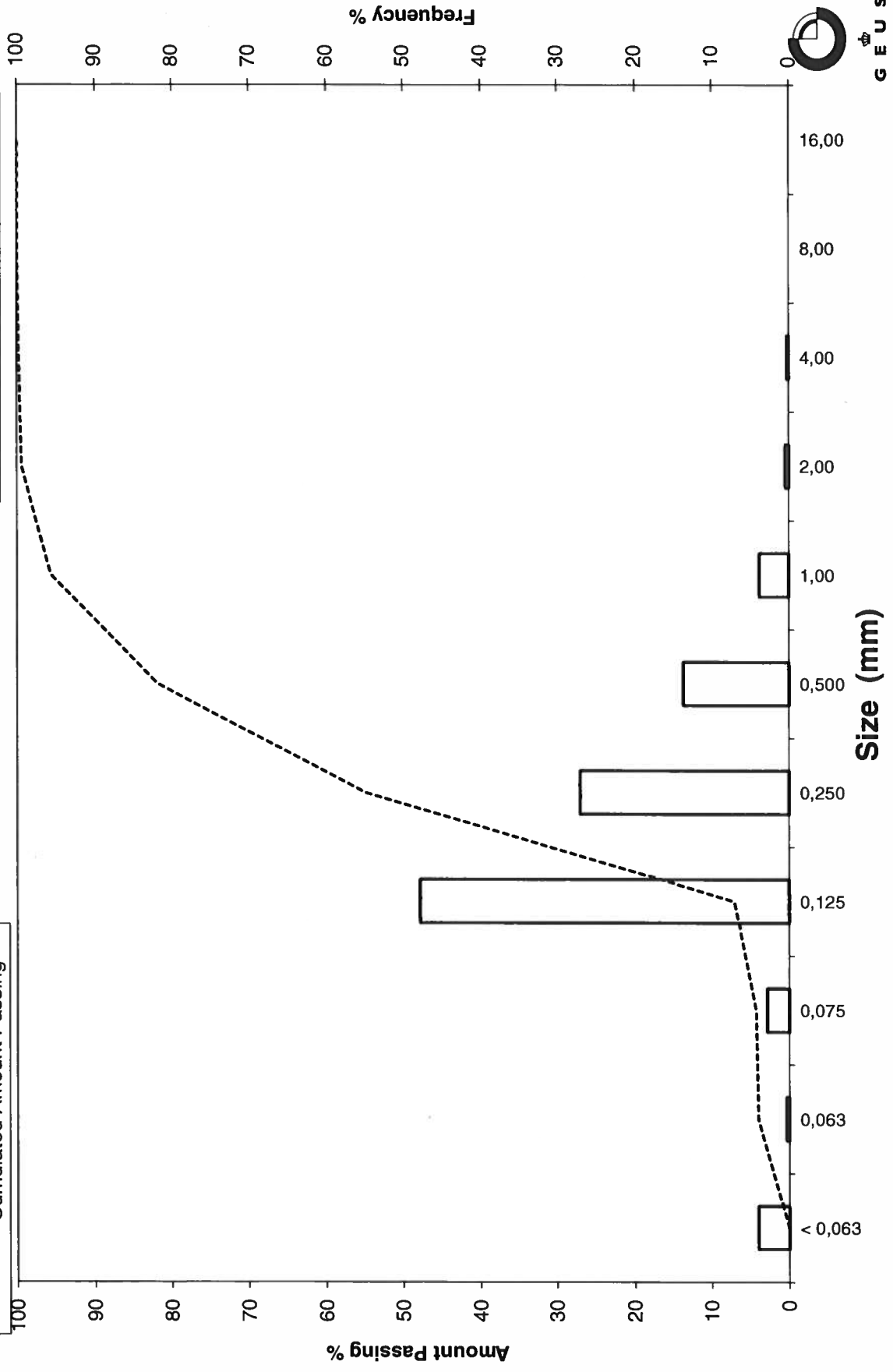
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# Grain Size Distribution

Sample Id: HR 36, 150-200

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** HR 37A, 0-200  
**Lab. Id:** 200403  
**Projekt:** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >16mm består af skaller



**Total Weight** 113,81 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 2,88   | 2,53   | 97,47                    |
| 8,00    | -3,00  | 0,00   | 0,00   | 97,47                    |
| 4,00    | -2,00  | 0,00   | 0,00   | 97,47                    |
| 2,00    | -1,00  | 1,01   | 0,89   | 96,58                    |
| 1,00    | 0,00   | 12,24  | 10,75  | 85,83                    |
| 0,500   | 1,00   | 62,30  | 54,74  | 31,09                    |
| 0,250   | 2,00   | 32,84  | 28,86  | 2,23                     |
| 0,125   | 3,00   | 1,52   | 1,34   | 0,90                     |
| 0,075   | 3,74   | 0,13   | 0,11   | 0,78                     |
| 0,063   | 3,99   | 0,00   | 0,00   | 0,78                     |
| < 0,063 | > 3,99 | 0,89   | 0,78   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,78     |
| Sand, fine (0,063 mm - 0,200 mm): | 1,45     |
| Sand, medium (0,2 mm - 0,6 mm):   | 54,92    |
| Sand, coarse (0,6 mm - 2 mm):     | 39,43    |
| Gravel (> 2 mm):                  | 3,42     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 1,34  | -0,42 |
| 16%             | 84%            | 0,70  | 0,51  |
| 25%             | 75%            | 0,67  | 0,58  |
| 40%             | 60%            | 0,61  | 0,71  |
| Median 50%      | 50%            | 0,57  | 0,80  |
| 75%             | 25%            | 0,33  | 1,59  |
| 84%             | 16%            | 0,30  | 1,74  |
| 90%             | 10%            | 0,28  | 1,85  |
| 95%             | 5%             | 0,26  | 1,94  |

### Moments Statistics

|                        |      |
|------------------------|------|
| Mean                   | 1,02 |
| Sorting                | 0,67 |
| Skewness               | 0,24 |
| Kurtosis               | 0,96 |
| Uniformity Coefficient | 2,20 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

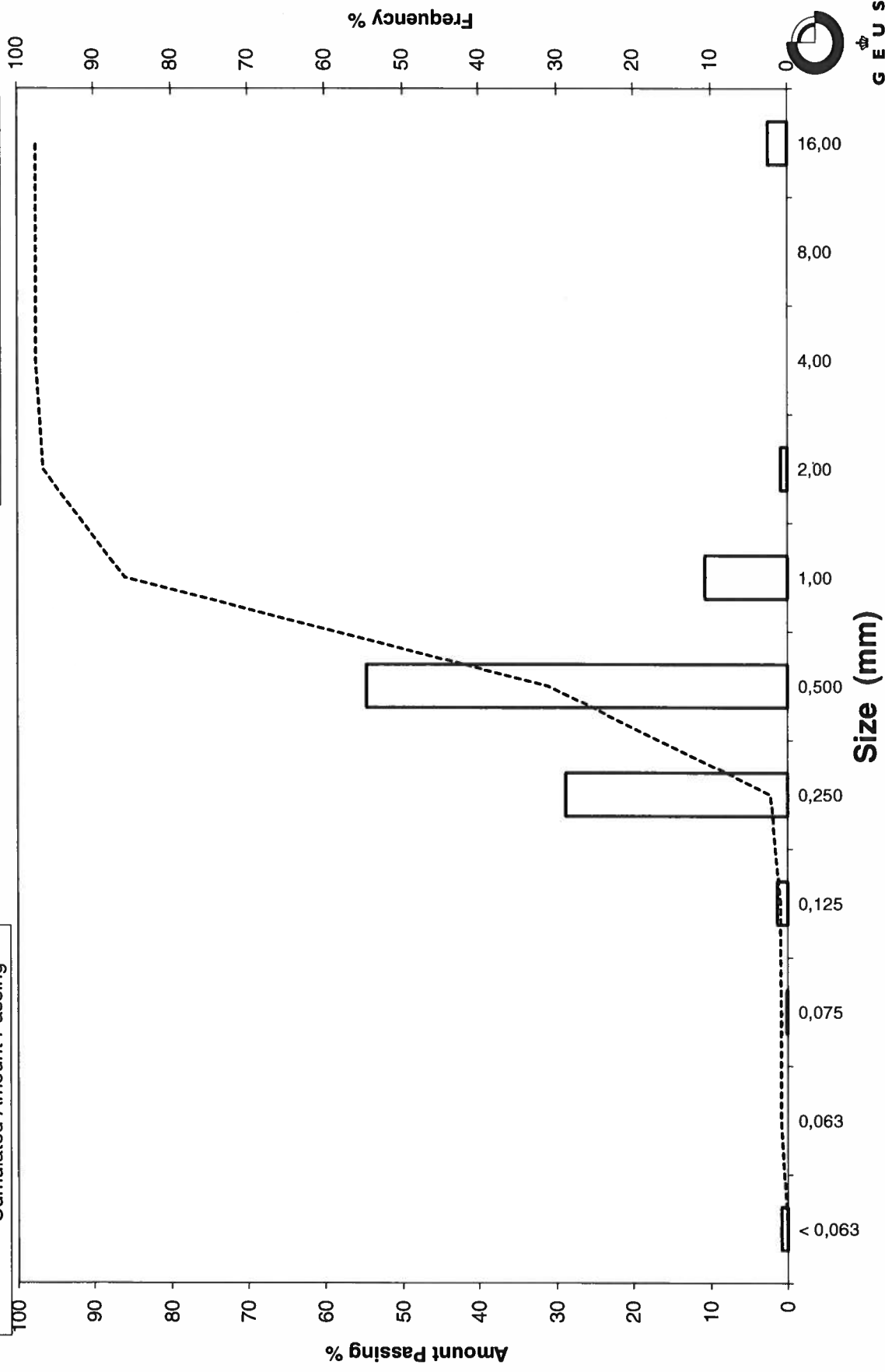
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: HR 37A, 0-200

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** HR 38, 0-46  
**Lab. Id:** 200404  
**Projekt:** MST Råstøfkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 109,19 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 3,53   | 3,23   | 96,77                    |
| 2,00    | -1,00  | 7,40   | 6,78   | 89,99                    |
| 1,00    | 0,00   | 22,24  | 20,37  | 69,62                    |
| 0,500   | 1,00   | 37,76  | 34,58  | 35,04                    |
| 0,250   | 2,00   | 24,63  | 22,56  | 12,48                    |
| 0,125   | 3,00   | 11,09  | 10,16  | 2,33                     |
| 0,075   | 3,74   | 1,69   | 1,55   | 0,78                     |
| 0,063   | 3,99   | 0,07   | 0,06   | 0,71                     |
| < 0,063 | > 3,99 | 0,78   | 0,71   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,71     |
| Sand, fine (0,063 mm - 0,200 mm): | 11,77    |
| Sand, medium (0,2 mm - 0,6 mm):   | 39,02    |
| Sand, coarse (0,6 mm - 2 mm):     | 38,48    |
| Gravel (> 2 mm):                  | 10,01    |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 2,59  | -1,37 |
| 16%             | 84%            | 1,28  | -0,36 |
| 25%             | 75%            | 1,11  | -0,14 |
| 40%             | 60%            | 0,65  | 0,62  |
| Median 50%      | 50%            | 0,59  | 0,76  |
| 75%             | 25%            | 0,31  | 1,70  |
| 84%             | 16%            | 0,27  | 1,91  |
| 90%             | 10%            | 0,17  | 2,59  |
| 95%             | 5%             | 0,14  | 2,84  |

### Moments Statistics

|                        |      |
|------------------------|------|
| Mean                   | 0,77 |
| Sorting                | 1,21 |
| Skewness               | 0,00 |
| Kurtosis               | 0,94 |
| Uniformity Coefficient | 3,91 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

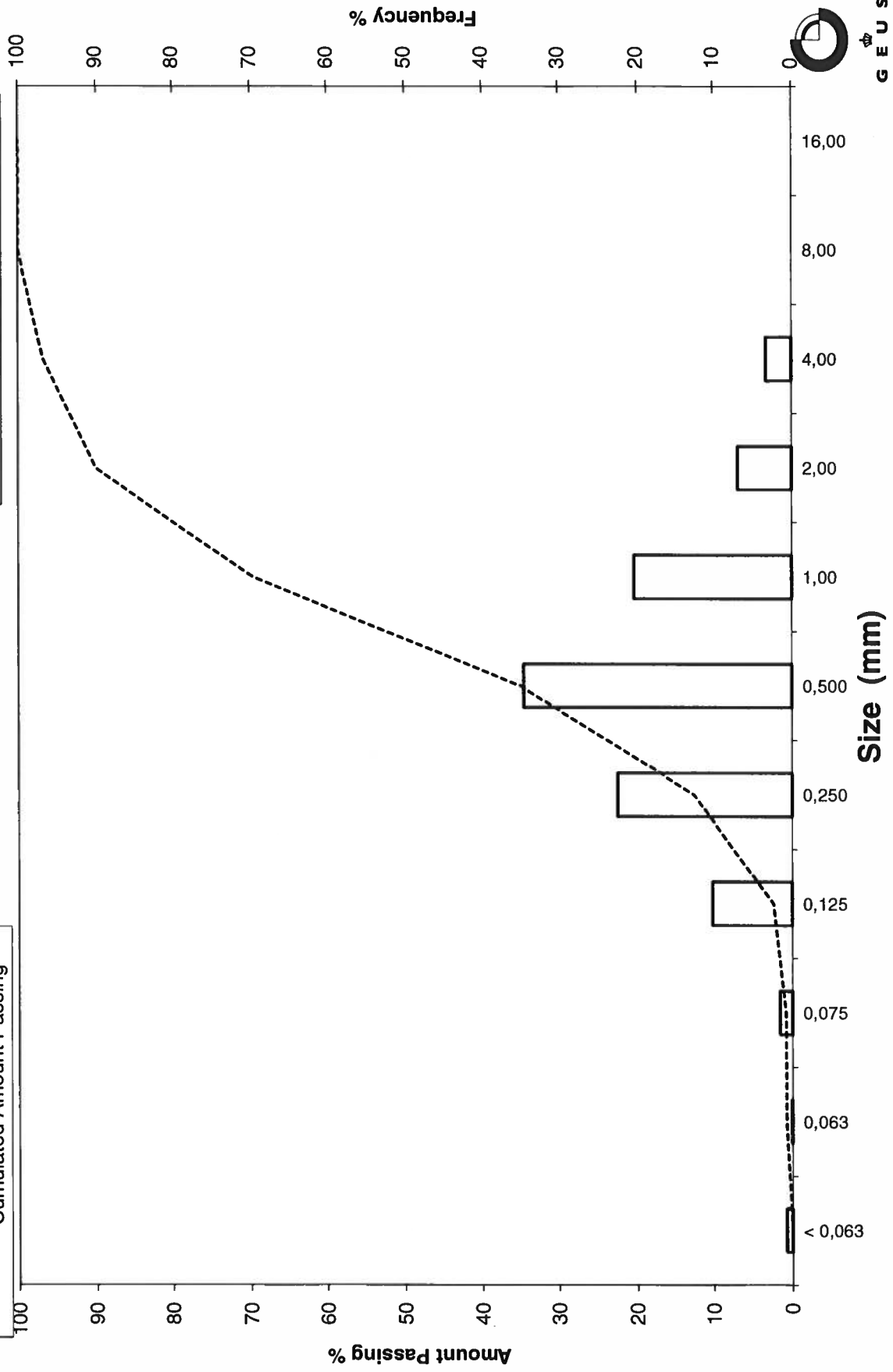
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: HR 38, 0-46

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** HR 39, 0-600  
**Lab. Id:** 200405  
**Projekt:** MST Råstøfkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >4mm heraf 1,2 g skaller



**Total Weight** 233,03 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 5,50   | 2,36   | 97,64                    |
| 4,00    | -2,00  | 3,29   | 1,41   | 96,23                    |
| 2,00    | -1,00  | 15,82  | 6,79   | 89,44                    |
| 1,00    | 0,00   | 45,99  | 19,74  | 69,70                    |
| 0,500   | 1,00   | 93,84  | 40,27  | 29,43                    |
| 0,250   | 2,00   | 64,55  | 27,70  | 1,73                     |
| 0,125   | 3,00   | 2,11   | 0,91   | 0,82                     |
| 0,075   | 3,74   | 0,15   | 0,06   | 0,76                     |
| 0,063   | 3,99   | 0,02   | 0,01   | 0,75                     |
| < 0,063 | > 3,99 | 1,75   | 0,75   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,75     |
| Sand, fine (0,063 mm - 0,200 mm): | 0,98     |
| Sand, medium (0,2 mm - 0,6 mm):   | 46,88    |
| Sand, coarse (0,6 mm - 2 mm):     | 40,83    |
| Gravel (> 2 mm):                  | 10,56    |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 2,66  | -1,41 |
| 16%             | 84%            | 1,29  | -0,37 |
| 25%             | 75%            | 1,11  | -0,15 |
| 40%             | 60%            | 0,66  | 0,60  |
| Median 50%      | 50%            | 0,61  | 0,72  |
| 75%             | 25%            | 0,34  | 1,56  |
| 84%             | 16%            | 0,30  | 1,72  |
| 90%             | 10%            | 0,28  | 1,83  |
| 95%             | 5%             | 0,26  | 1,93  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 0,69  |
| Sorting                | 1,03  |
| Skewness               | -0,16 |
| Kurtosis               | 0,80  |
| Uniformity Coefficient | 2,34  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

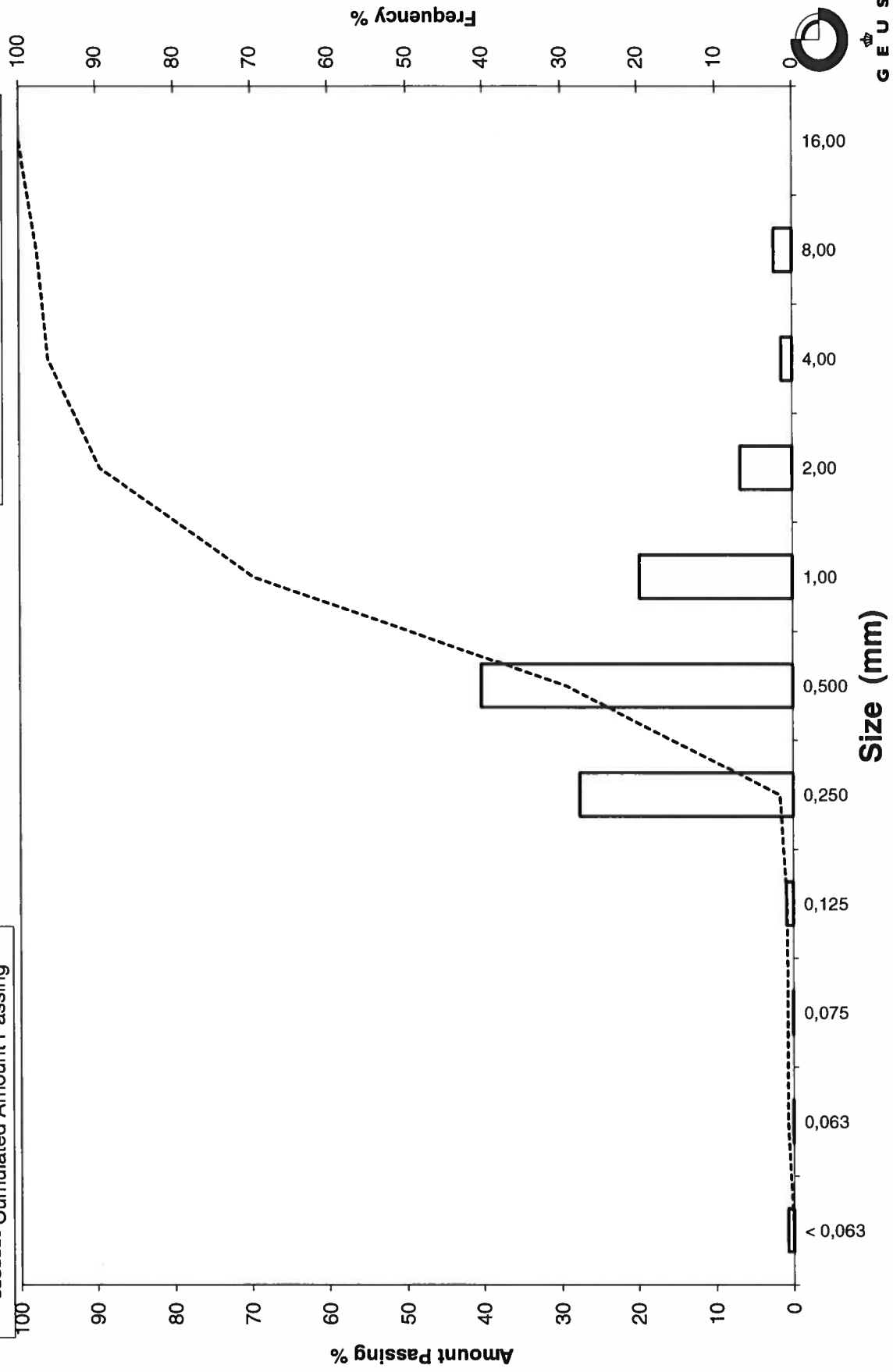
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: HR 39, 0-600

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** HR 40, 60-150  
**Lab. Id:** 200406  
**Projekt:** MST Råstøfkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 262,63 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 25,52  | 9,72   | 90,28                    |
| 4,00    | -2,00  | 6,08   | 2,31   | 87,97                    |
| 2,00    | -1,00  | 23,60  | 8,99   | 78,98                    |
| 1,00    | 0,00   | 53,04  | 20,20  | 58,78                    |
| 0,500   | 1,00   | 62,45  | 23,78  | 35,01                    |
| 0,250   | 2,00   | 63,55  | 24,20  | 10,81                    |
| 0,125   | 3,00   | 19,45  | 7,40   | 3,40                     |
| 0,075   | 3,74   | 3,26   | 1,24   | 2,16                     |
| 0,063   | 3,99   | 0,47   | 0,18   | 1,98                     |
| < 0,063 | > 3,99 | 5,21   | 1,98   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 1,98     |
| Sand, fine (0,063 mm - 0,200 mm): | 8,83     |
| Sand, medium (0,2 mm - 0,6 mm):   | 35,52    |
| Sand, coarse (0,6 mm - 2 mm):     | 32,65    |
| Gravel (> 2 mm):                  | 21,02    |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 11,88 | -3,57 |
| 16%             | 84%            | 2,45  | -1,29 |
| 25%             | 75%            | 1,32  | -0,40 |
| 40%             | 60%            | 1,02  | -0,03 |
| Median 50%      | 50%            | 0,63  | 0,66  |
| 75%             | 25%            | 0,31  | 1,68  |
| 84%             | 16%            | 0,27  | 1,88  |
| 90%             | 10%            | 0,17  | 2,52  |
| 95%             | 5%             | 0,14  | 2,87  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 0,42  |
| Sorting                | 1,77  |
| Skewness               | -0,27 |
| Kurtosis               | 1,27  |
| Uniformity Coefficient | 5,89  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgt-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

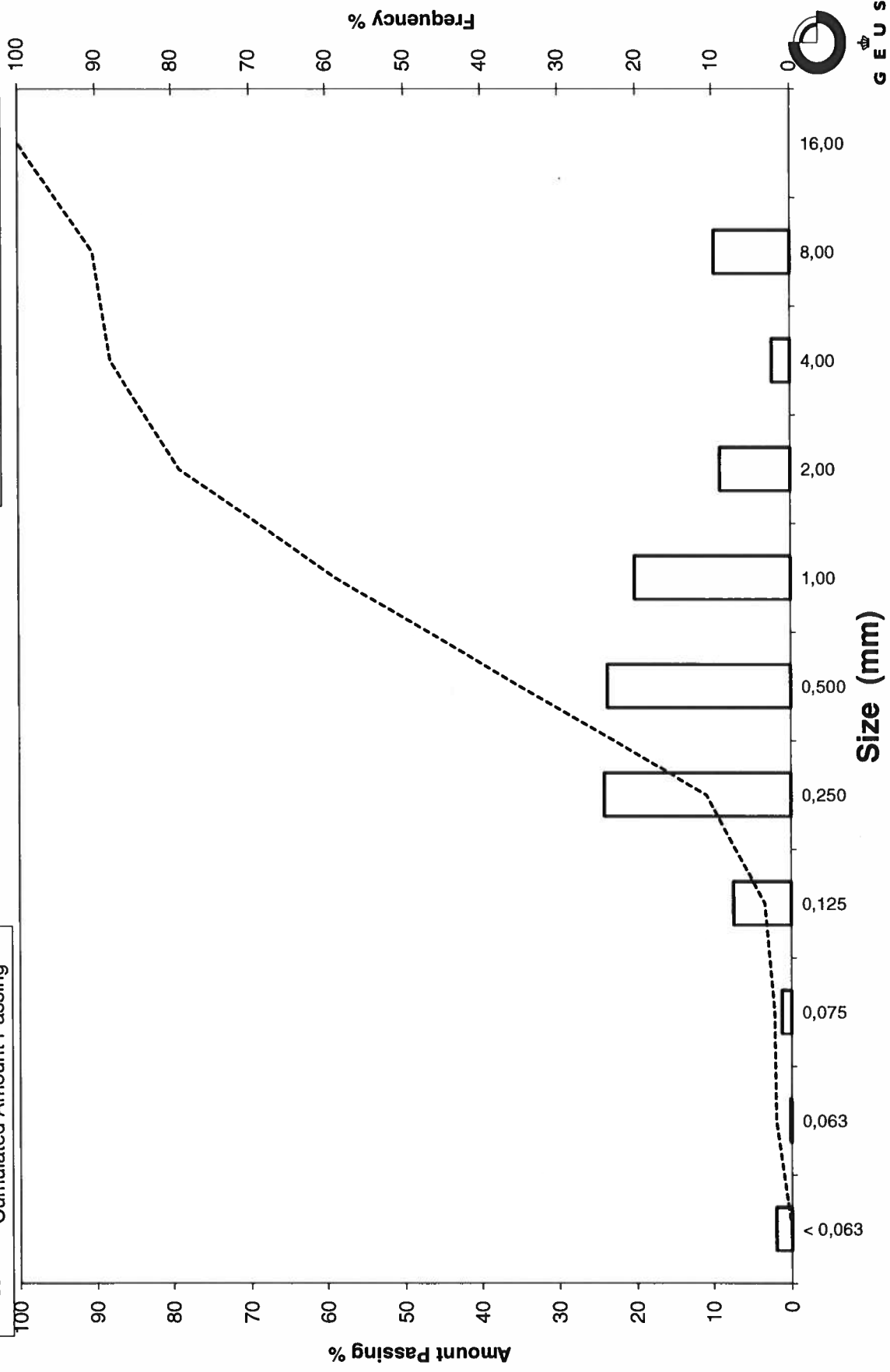
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# Grain Size Distribution

Sample Id: HR 40, 60-150

Frequency Percent  
Cumulated Amount Passing



GEUS

# Grain Size Distribution

## Geotechnical

**Sample Id:** HR 40, 170-270  
**Lab. Id:** 200407  
**Projekt:** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 110,83 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,94   | 0,85   | 99,15                    |
| 2,00    | -1,00  | 8,55   | 7,71   | 91,44                    |
| 1,00    | 0,00   | 19,45  | 17,55  | 73,89                    |
| 0,500   | 1,00   | 29,06  | 26,22  | 47,67                    |
| 0,250   | 2,00   | 32,51  | 29,33  | 18,33                    |
| 0,125   | 3,00   | 15,60  | 14,08  | 4,26                     |
| 0,075   | 3,74   | 1,70   | 1,53   | 2,72                     |
| 0,063   | 3,99   | 0,21   | 0,19   | 2,54                     |
| < 0,063 | > 3,99 | 2,81   | 2,54   | 0,00                     |

Gravel

Sand

Sieve Analysis

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 2,54     |
| Sand, fine (0,063 mm - 0,200 mm): | 15,80    |
| Sand, medium (0,2 mm - 0,6 mm):   | 41,82    |
| Sand, coarse (0,6 mm - 2 mm):     | 31,28    |
| Gravel (> 2 mm):                  | 8,56     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 2,37  | -1,24 |
| 16%             | 84%            | 1,23  | -0,30 |
| 25%             | 75%            | 1,03  | -0,04 |
| 40%             | 60%            | 0,60  | 0,74  |
| Median 50%      | 50%            | 0,52  | 0,95  |
| 75%             | 25%            | 0,27  | 1,87  |
| 84%             | 16%            | 0,17  | 2,55  |
| 90%             | 10%            | 0,15  | 2,76  |
| 95%             | 5%             | 0,13  | 2,97  |

### Moments Statistics

|                        |      |
|------------------------|------|
| Mean                   | 1,07 |
| Sorting                | 1,35 |
| Skewness               | 0,04 |
| Kurtosis               | 0,91 |
| Uniformity Coefficient | 4,06 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

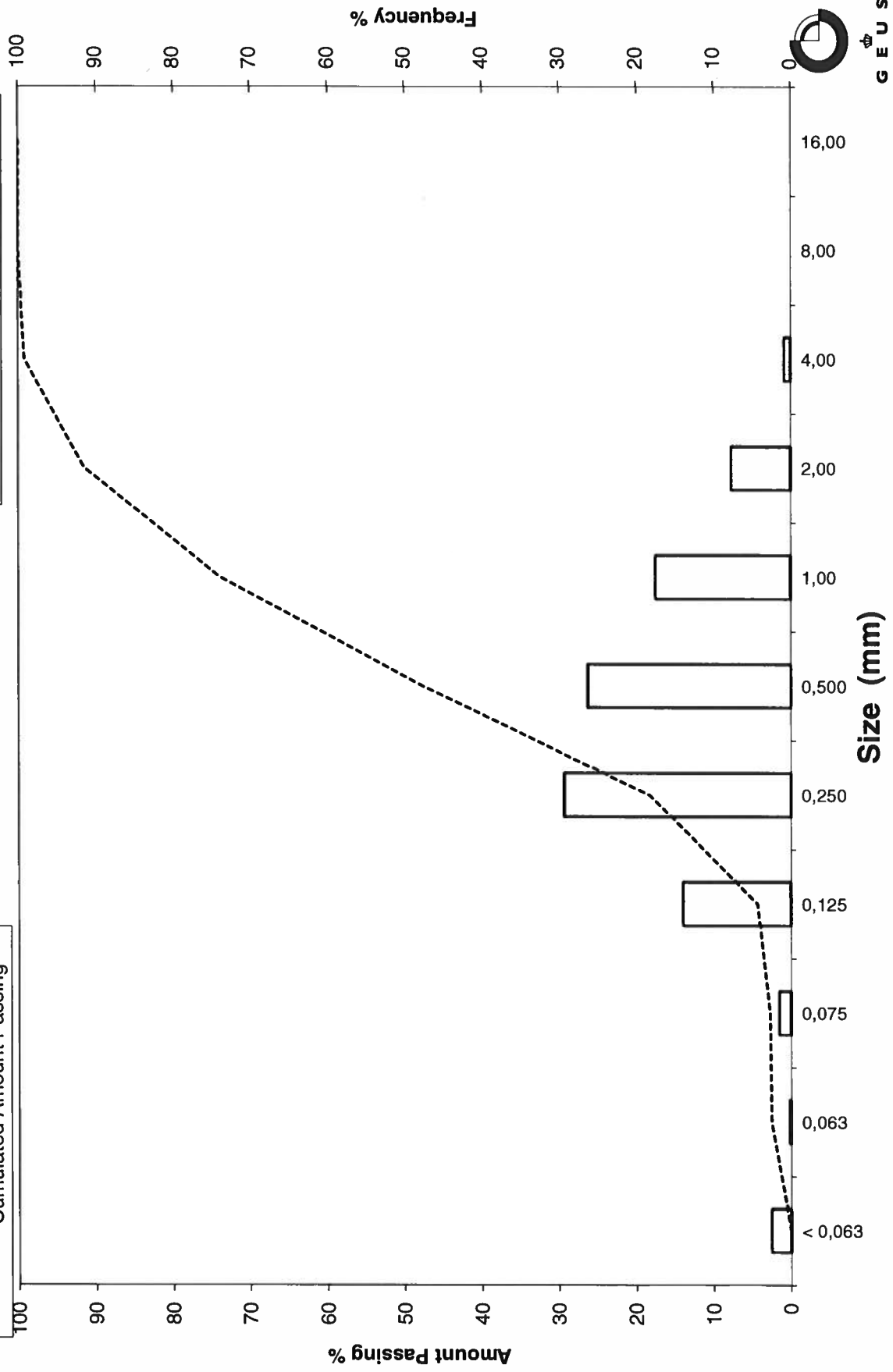
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: HR 40, 170-270

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** HR 42, 0-140  
**Lab. Id:** 200416  
**Projekt:** MST Råstøfkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 96,93 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,96   | 0,99   | 99,01                    |
| 2,00    | -1,00  | 10,36  | 10,69  | 88,32                    |
| 1,00    | 0,00   | 35,03  | 36,14  | 52,18                    |
| 0,500   | 1,00   | 24,98  | 25,77  | 26,41                    |
| 0,250   | 2,00   | 19,47  | 20,09  | 6,32                     |
| 0,125   | 3,00   | 4,70   | 4,85   | 1,48                     |
| 0,075   | 3,74   | 0,46   | 0,47   | 1,00                     |
| 0,063   | 3,99   | 0,07   | 0,07   | 0,93                     |
| < 0,063 | > 3,99 | 0,90   | 0,93   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,93     |
| Sand, fine (0,063 mm - 0,200 mm): | 5,40     |
| Sand, medium (0,2 mm - 0,6 mm):   | 32,36    |
| Sand, coarse (0,6 mm - 2 mm):     | 49,64    |
| Gravel (> 2 mm):                  | 11,68    |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 2,50  | -1,32 |
| 16%             | 84%            | 1,35  | -0,44 |
| 25%             | 75%            | 1,25  | -0,32 |
| 40%             | 60%            | 1,09  | -0,12 |
| Median 50%      | 50%            | 0,69  | 0,53  |
| 75%             | 25%            | 0,35  | 1,52  |
| 84%             | 16%            | 0,30  | 1,73  |
| 90%             | 10%            | 0,27  | 1,89  |
| 95%             | 5%             | 0,16  | 2,60  |

### Moments Statistics

|                        |      |
|------------------------|------|
| Mean                   | 0,61 |
| Sorting                | 1,14 |
| Skewness               | 0,08 |
| Kurtosis               | 0,87 |
| Uniformity Coefficient | 4,04 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgt-Bulletin 1988)

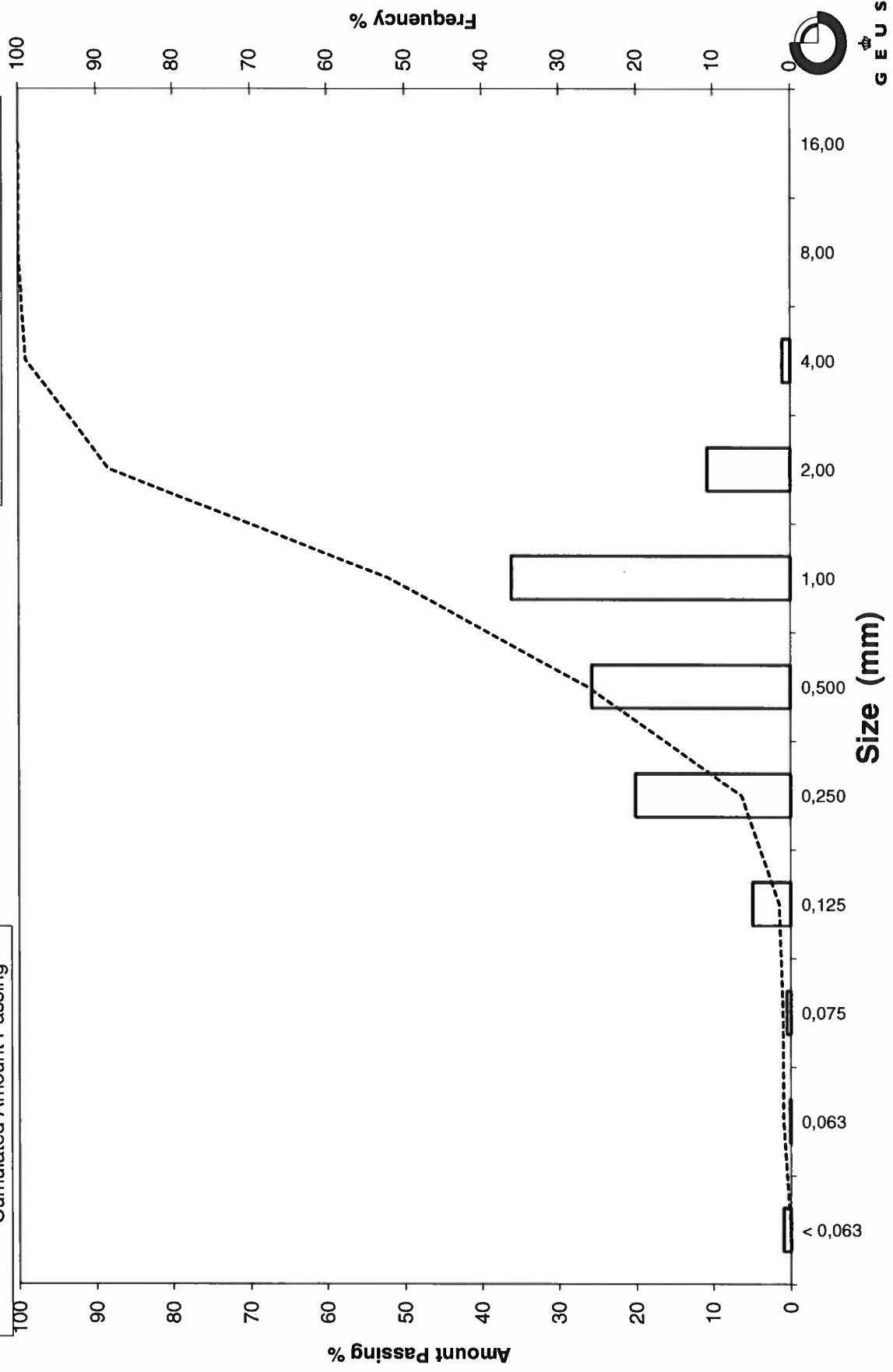
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: HR 42, 0-140

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** HR 47A, 0-500  
**Lab. Id:** 200528  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 104,87 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,84   | 0,80   | 99,20                    |
| 4,00    | -2,00  | 0,00   | 0,00   | 99,20                    |
| 2,00    | -1,00  | 0,93   | 0,89   | 98,31                    |
| 1,00    | 0,00   | 10,38  | 9,90   | 88,41                    |
| 0,500   | 1,00   | 41,65  | 39,72  | 48,70                    |
| 0,250   | 2,00   | 49,61  | 47,31  | 1,39                     |
| 0,125   | 3,00   | 0,74   | 0,71   | 0,69                     |
| 0,075   | 3,74   | 0,11   | 0,10   | 0,58                     |
| 0,063   | 3,99   | 0,00   | 0,00   | 0,58                     |
| < 0,063 | > 3,99 | 0,61   | 0,58   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,58     |
| Sand, fine (0,063 mm - 0,200 mm): | 0,81     |
| Sand, medium (0,2 mm - 0,6 mm):   | 66,22    |
| Sand, coarse (0,6 mm - 2 mm):     | 30,70    |
| Gravel (> 2 mm):                  | 1,69     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 1,27  | -0,34 |
| 16%             | 84%            | 0,69  | 0,54  |
| 25%             | 75%            | 0,64  | 0,65  |
| 40%             | 60%            | 0,56  | 0,84  |
| Median 50%      | 50%            | 0,51  | 0,98  |
| 75%             | 25%            | 0,30  | 1,73  |
| 84%             | 16%            | 0,28  | 1,82  |
| 90%             | 10%            | 0,27  | 1,89  |
| 95%             | 5%             | 0,26  | 1,95  |

### Moments Statistics

|                        |      |
|------------------------|------|
| Mean                   | 1,12 |
| Sorting                | 0,67 |
| Skewness               | 0,08 |
| Kurtosis               | 0,87 |
| Uniformity Coefficient | 2,08 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

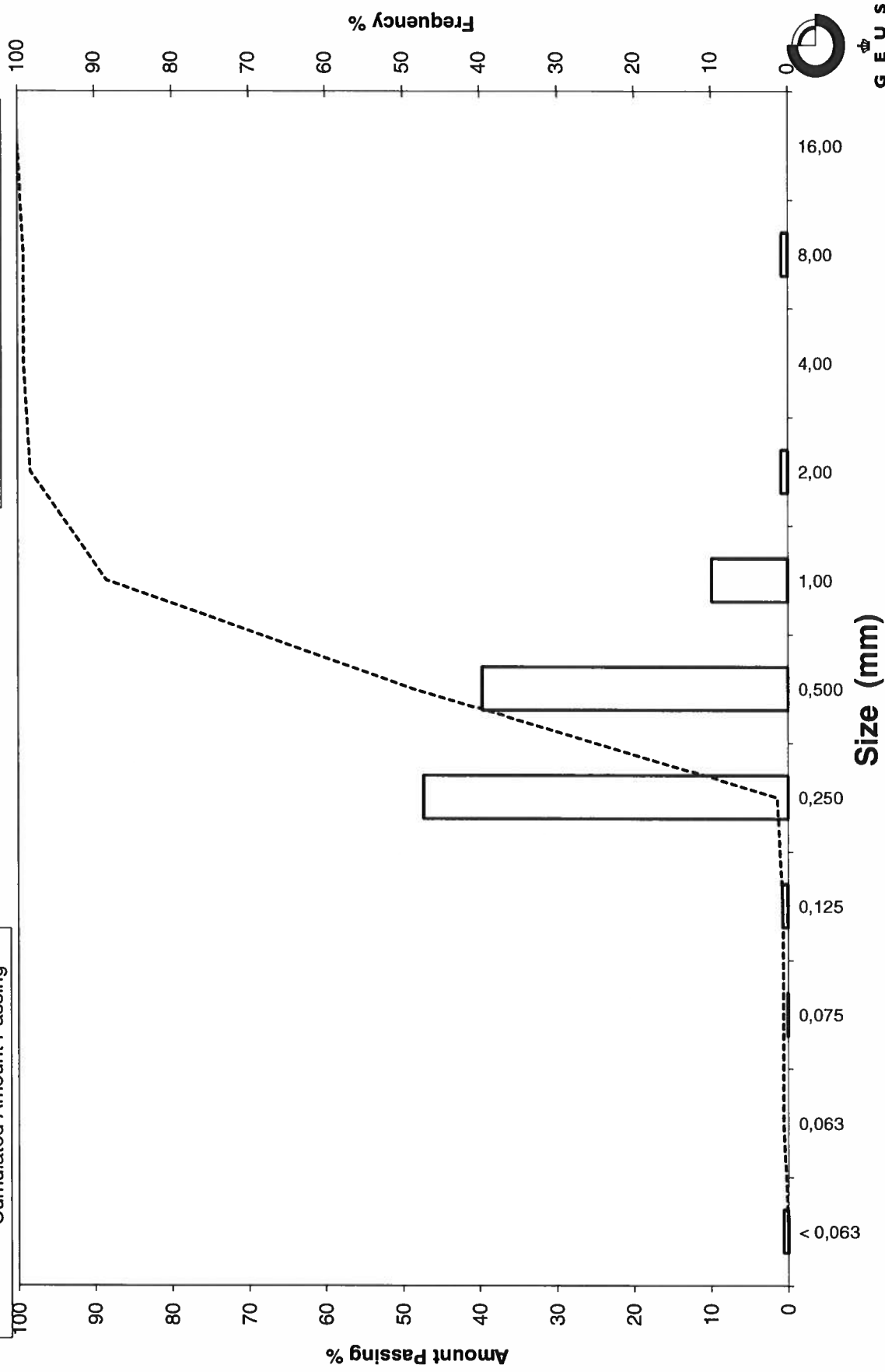
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Sample Id: HR 47A, 0-500

# Grain Size Distribution

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** HR 49, 0-150  
**Lab. Id:** 200408  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 107,65 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 2,16   | 2,01   | 97,99                    |
| 2,00    | -1,00  | 8,12   | 7,54   | 90,45                    |
| 1,00    | 0,00   | 12,40  | 11,52  | 78,93                    |
| 0,500   | 1,00   | 22,80  | 21,18  | 57,75                    |
| 0,250   | 2,00   | 40,84  | 37,94  | 19,81                    |
| 0,125   | 3,00   | 17,81  | 16,54  | 3,27                     |
| 0,075   | 3,74   | 1,82   | 1,69   | 1,58                     |
| 0,063   | 3,99   | 0,14   | 0,13   | 1,45                     |
| < 0,063 | > 3,99 | 1,56   | 1,45   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 1,45     |
| Sand, fine (0,063 mm - 0,200 mm): | 18,37    |
| Sand, medium (0,2 mm - 0,6 mm):   | 48,02    |
| Sand, coarse (0,6 mm - 2 mm):     | 22,61    |
| Gravel (> 2 mm):                  | 9,55     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 2,48  | -1,31 |
| 16%             | 84%            | 1,18  | -0,23 |
| 25%             | 75%            | 0,67  | 0,58  |
| 40%             | 60%            | 0,52  | 0,94  |
| Median 50%      | 50%            | 0,33  | 1,58  |
| 75%             | 25%            | 0,26  | 1,92  |
| 84%             | 16%            | 0,17  | 2,58  |
| 90%             | 10%            | 0,15  | 2,76  |
| 95%             | 5%             | 0,13  | 2,94  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 1,31  |
| Sorting                | 1,35  |
| Skewness               | -0,33 |
| Kurtosis               | 1,30  |
| Uniformity Coefficient | 3,54  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

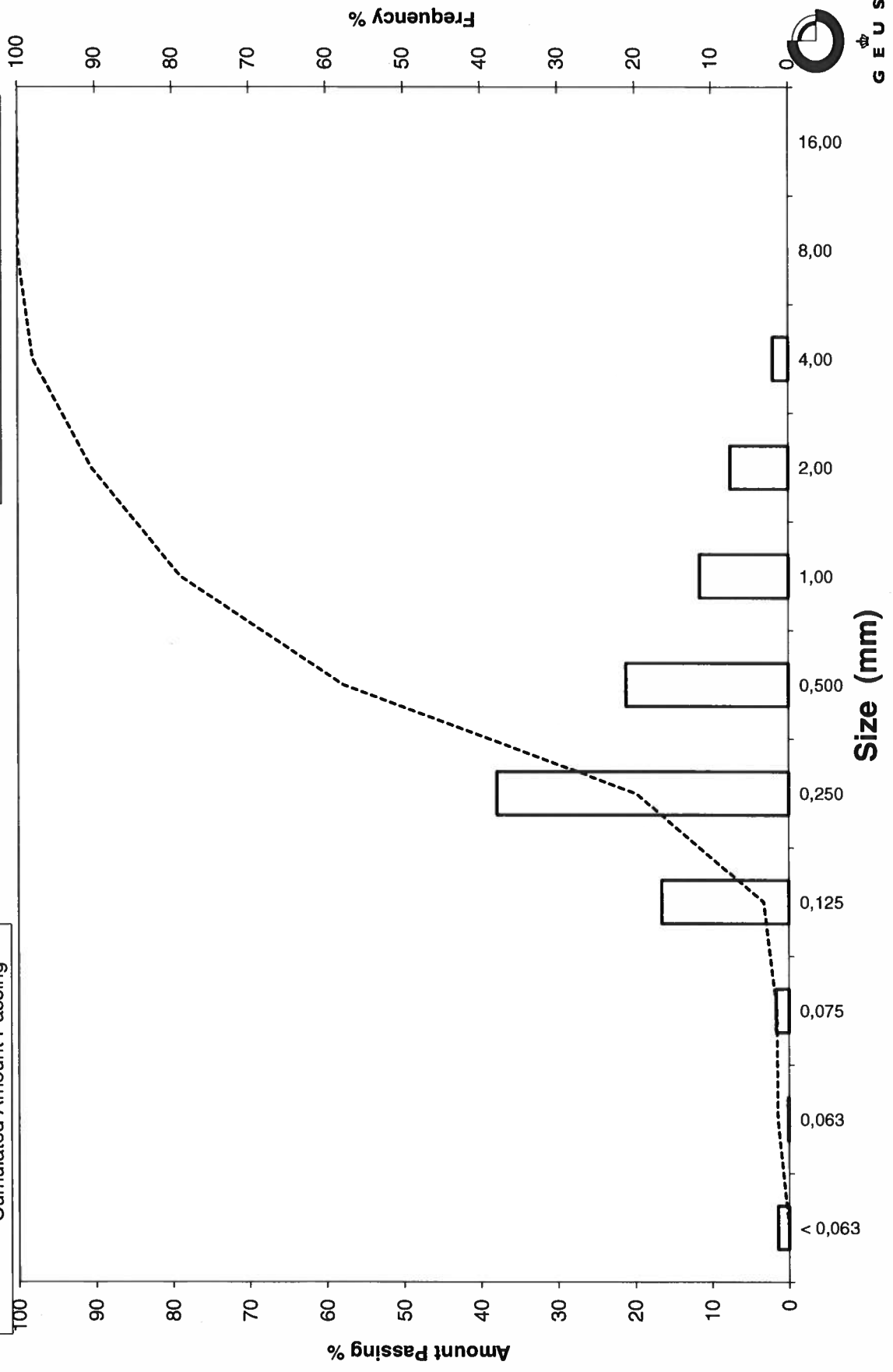
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# Grain Size Distribution

Sample Id: HR 49, 0-150

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** HRN 09, 0-150  
**Lab. Id:** 200462  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 102,98 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,26   | 0,25   | 99,75                    |
| 2,00    | -1,00  | 0,94   | 0,91   | 98,83                    |
| 1,00    | 0,00   | 9,93   | 9,64   | 89,19                    |
| 0,500   | 1,00   | 26,69  | 25,92  | 63,27                    |
| 0,250   | 2,00   | 33,18  | 32,22  | 31,05                    |
| 0,125   | 3,00   | 28,64  | 27,81  | 3,24                     |
| 0,075   | 3,74   | 2,29   | 2,22   | 1,02                     |
| 0,063   | 3,99   | 0,06   | 0,06   | 0,96                     |
| < 0,063 | > 3,99 | 0,99   | 0,96   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,96     |
| Sand, fine (0,063 mm - 0,200 mm): | 30,09    |
| Sand, medium (0,2 mm - 0,6 mm):   | 44,56    |
| Sand, coarse (0,6 mm - 2 mm):     | 23,22    |
| Gravel (> 2 mm):                  | 1,17     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 1,24  | -0,31 |
| 16%             | 84%            | 0,67  | 0,58  |
| 25%             | 75%            | 0,60  | 0,75  |
| 40%             | 60%            | 0,34  | 1,54  |
| Median 50%      | 50%            | 0,31  | 1,68  |
| 75%             | 25%            | 0,17  | 2,57  |
| 84%             | 16%            | 0,15  | 2,73  |
| 90%             | 10%            | 0,14  | 2,85  |
| 95%             | 5%             | 0,13  | 2,96  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 1,67  |
| Sorting                | 1,03  |
| Skewness               | -0,12 |
| Kurtosis               | 0,74  |
| Uniformity Coefficient | 2,49  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

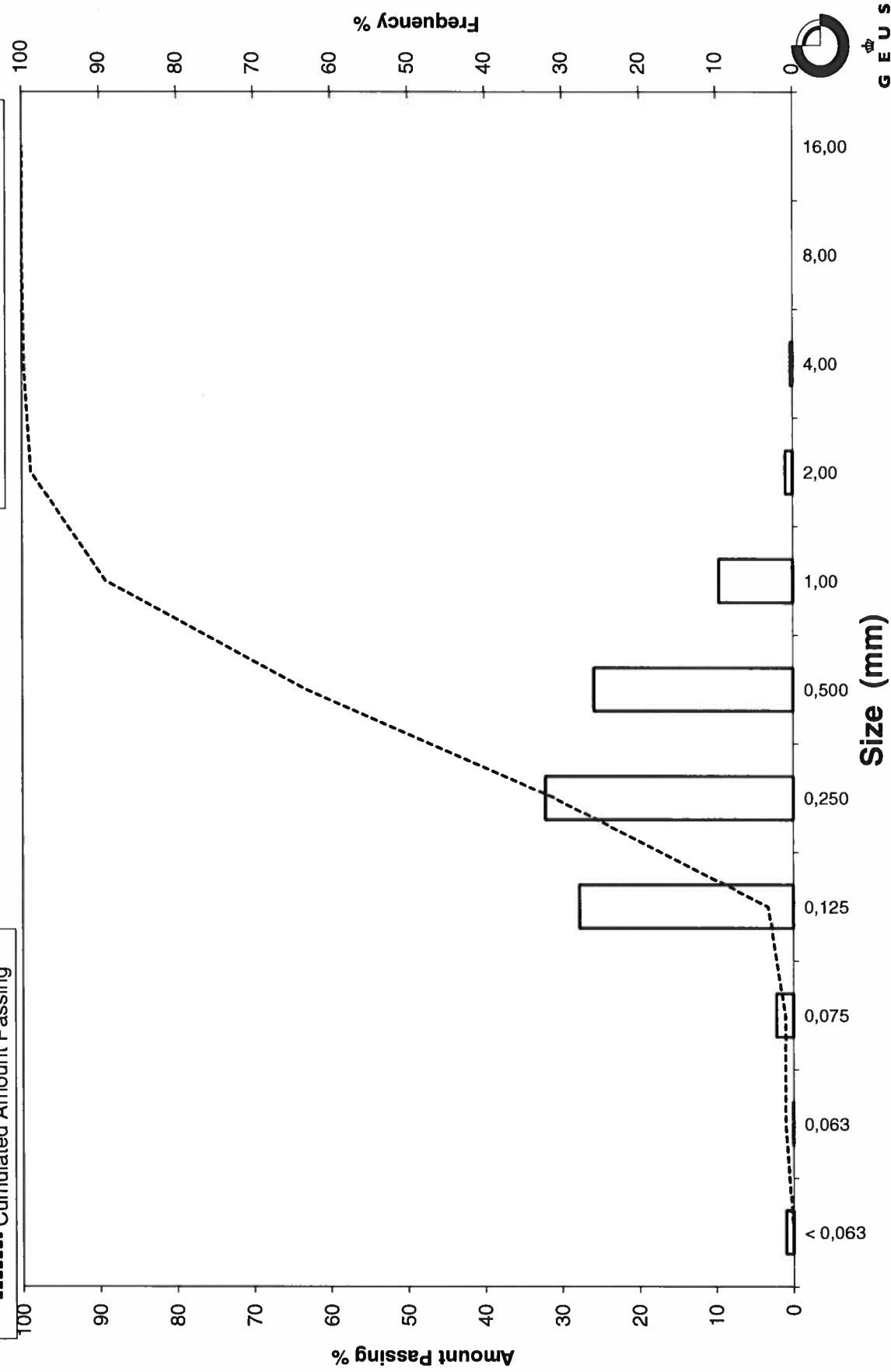
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Sample Id: HRN 09, 0-150

# Grain Size Distribution

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** HRN 09, 250-300  
**Lab. Id:** 200463  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >4mm heraf 32 g skaller



**Total Weight** 920,61 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 7,33   | 0,80   | 99,20                    |
| 8,00    | -3,00  | 64,87  | 7,05   | 92,16                    |
| 4,00    | -2,00  | 127,92 | 13,90  | 78,26                    |
| 2,00    | -1,00  | 215,70 | 23,43  | 54,83                    |
| 1,00    | 0,00   | 124,77 | 13,55  | 41,28                    |
| 0,500   | 1,00   | 124,94 | 13,57  | 27,71                    |
| 0,250   | 2,00   | 126,64 | 13,76  | 13,95                    |
| 0,125   | 3,00   | 116,25 | 12,63  | 1,32                     |
| 0,075   | 3,74   | 10,23  | 1,11   | 0,21                     |
| 0,063   | 3,99   | 0,34   | 0,04   | 0,18                     |
| < 0,063 | > 3,99 | 1,62   | 0,18   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,18     |
| Sand, fine (0,063 mm - 0,200 mm): | 13,78    |
| Sand, medium (0,2 mm - 0,6 mm):   | 20,22    |
| Sand, coarse (0,6 mm - 2 mm):     | 20,66    |
| Gravel (> 2 mm):                  | 45,17    |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 11,23 | -3,49 |
| 16%             | 84%            | 5,65  | -2,50 |
| 25%             | 75%            | 2,69  | -1,43 |
| 40%             | 60%            | 2,18  | -1,12 |
| Median 50%      | 50%            | 1,26  | -0,33 |
| 75%             | 25%            | 0,33  | 1,58  |
| 84%             | 16%            | 0,27  | 1,91  |
| 90%             | 10%            | 0,16  | 2,62  |
| 95%             | 5%             | 0,14  | 2,83  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | -0,31 |
| Sorting                | 2,06  |
| Skewness               | 0,01  |
| Kurtosis               | 0,86  |
| Uniformity Coefficient | 13,37 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

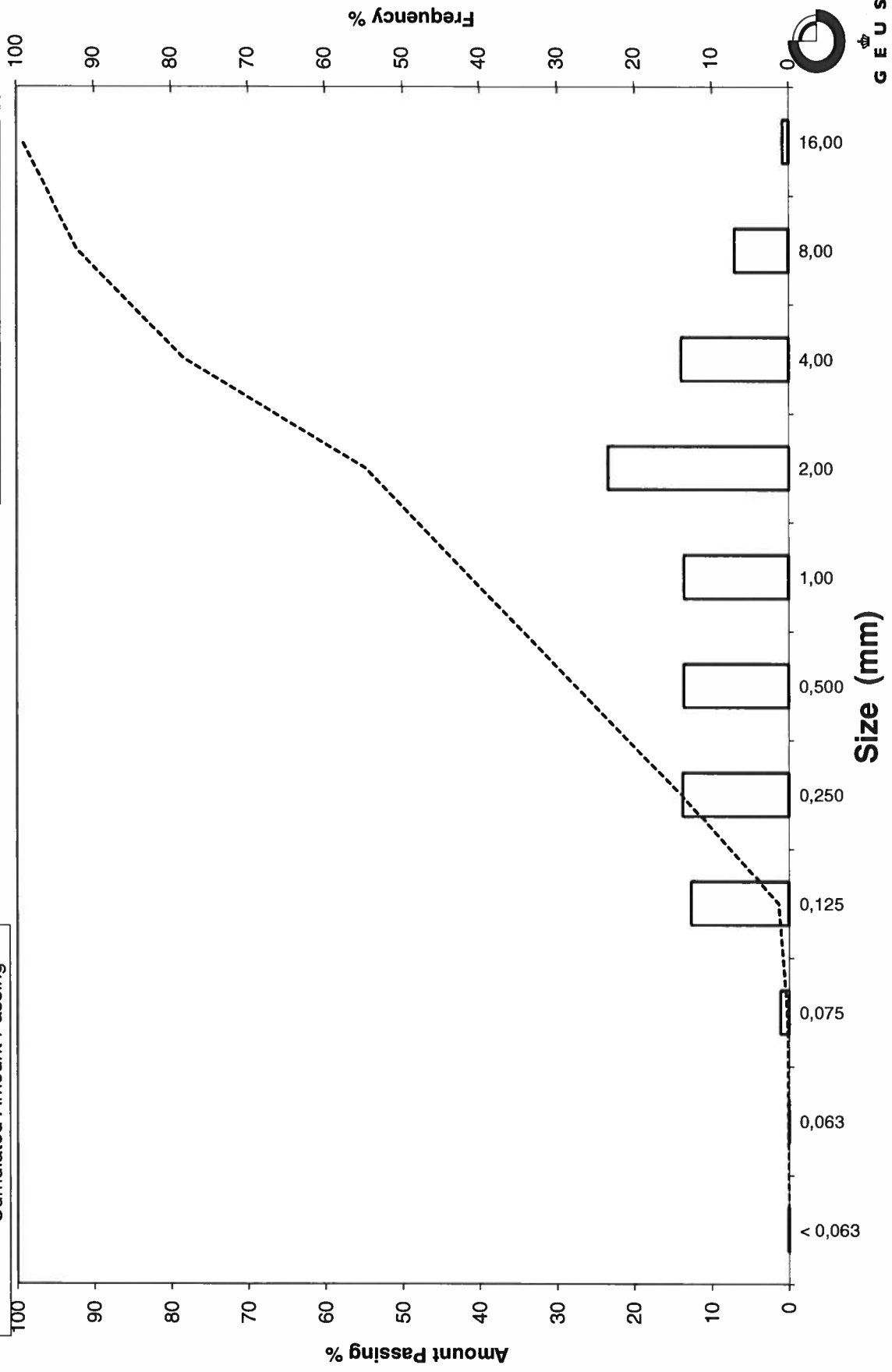
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: HRN 09, 250-300

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** HRV 13, 50-250  
**Lab. Id:** 200380  
**Projekt:** MST Råstofkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 103,64 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,12   | 0,12   | 99,88                    |
| 2,00    | -1,00  | 5,64   | 5,44   | 94,44                    |
| 1,00    | 0,00   | 17,17  | 16,57  | 77,88                    |
| 0,500   | 1,00   | 22,55  | 21,76  | 56,12                    |
| 0,250   | 2,00   | 29,21  | 28,18  | 27,93                    |
| 0,125   | 3,00   | 25,05  | 24,17  | 3,76                     |
| 0,075   | 3,74   | 1,65   | 1,59   | 2,17                     |
| 0,063   | 3,99   | 0,18   | 0,17   | 2,00                     |
| < 0,063 | > 3,99 | 2,07   | 2,00   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 2,00     |
| Sand, fine (0,063 mm - 0,200 mm): | 25,94    |
| Sand, medium (0,2 mm - 0,6 mm):   | 38,55    |
| Sand, coarse (0,6 mm - 2 mm):     | 27,96    |
| Gravel (> 2 mm):                  | 5,56     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 2,08  | -1,06 |
| 16%             | 84%            | 1,15  | -0,20 |
| 25%             | 75%            | 0,68  | 0,55  |
| 40%             | 60%            | 0,54  | 0,90  |
| Median 50%      | 50%            | 0,33  | 1,59  |
| 75%             | 25%            | 0,17  | 2,53  |
| 84%             | 16%            | 0,15  | 2,71  |
| 90%             | 10%            | 0,14  | 2,84  |
| 95%             | 5%             | 0,13  | 2,97  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 1,37  |
| Sorting                | 1,34  |
| Skewness               | -0,27 |
| Kurtosis               | 0,83  |
| Uniformity Coefficient | 3,86  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

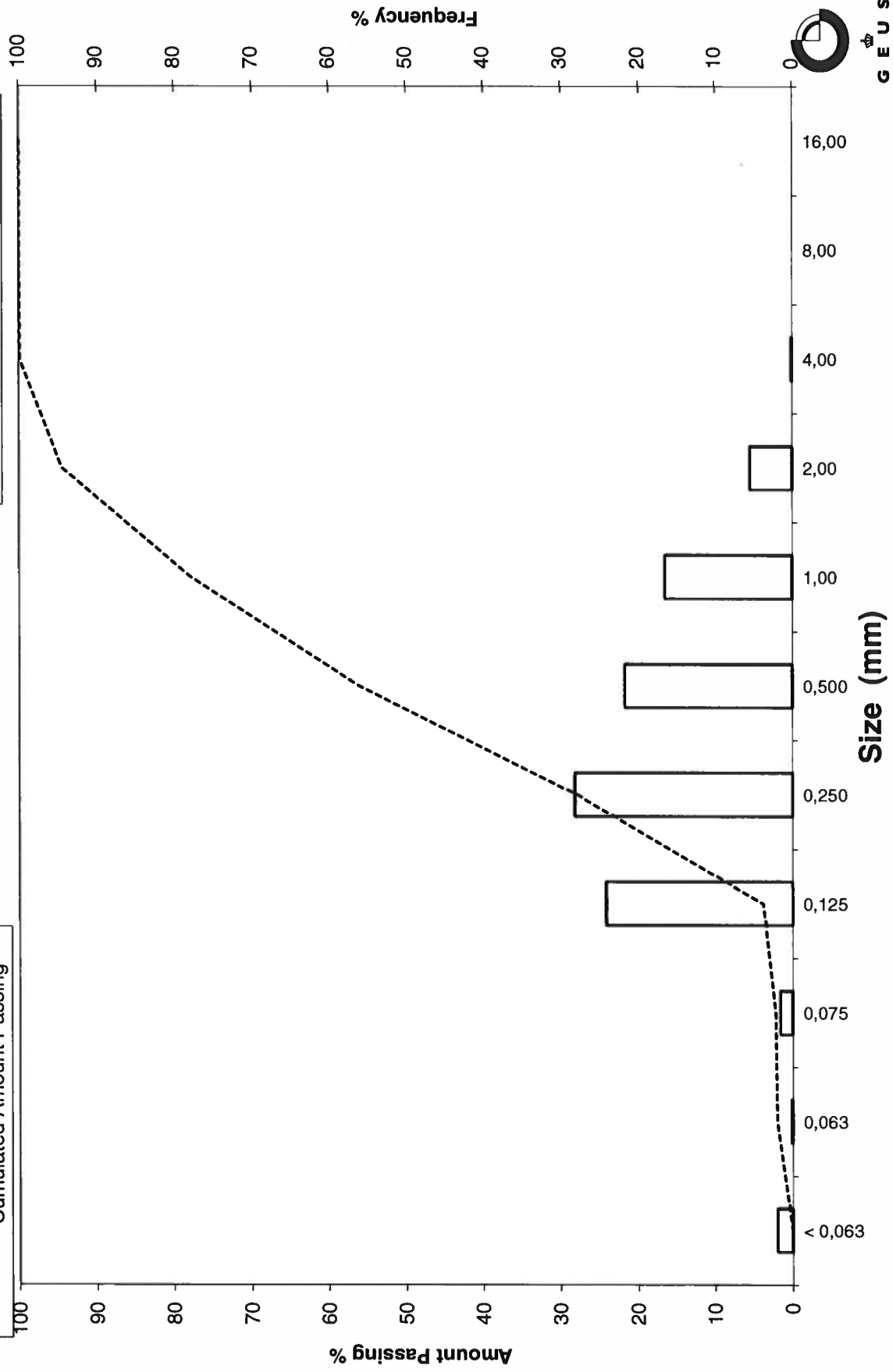
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: HRV 13, 50-250

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** HRV 13, 350-500  
**Lab. Id:** 200381  
**Projekt:** MST Råstofkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 104,56 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,00   | 0,00   | 100,00                   |
| 2,00    | -1,00  | 1,58   | 1,51   | 98,49                    |
| 1,00    | 0,00   | 4,63   | 4,43   | 94,06                    |
| 0,500   | 1,00   | 26,52  | 25,36  | 68,70                    |
| 0,250   | 2,00   | 38,43  | 36,75  | 31,94                    |
| 0,125   | 3,00   | 26,58  | 25,42  | 6,52                     |
| 0,075   | 3,74   | 3,46   | 3,31   | 3,21                     |
| 0,063   | 3,99   | 0,28   | 0,27   | 2,95                     |
| < 0,063 | > 3,99 | 3,08   | 2,95   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 2,95     |
| Sand, fine (0,063 mm - 0,200 mm): | 29,00    |
| Sand, medium (0,2 mm - 0,6 mm):   | 48,83    |
| Sand, coarse (0,6 mm - 2 mm):     | 17,71    |
| Gravel (> 2 mm):                  | 1,51     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 1,08  | -0,12 |
| 16%             | 84%            | 0,63  | 0,67  |
| 25%             | 75%            | 0,55  | 0,86  |
| 40%             | 60%            | 0,33  | 1,60  |
| Median 50%      | 50%            | 0,30  | 1,73  |
| 75%             | 25%            | 0,16  | 2,60  |
| 84%             | 16%            | 0,15  | 2,78  |
| 90%             | 10%            | 0,13  | 2,92  |
| 95%             | 5%             | 0,08  | 3,59  |

### Moments Statistics

|                        |      |
|------------------------|------|
| Mean                   | 1,73 |
| Sorting                | 1,09 |
| Skewness               | 0,00 |
| Kurtosis               | 0,87 |
| Uniformity Coefficient | 2,49 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)  
 Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)  
 Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)  
 Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)  
 Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

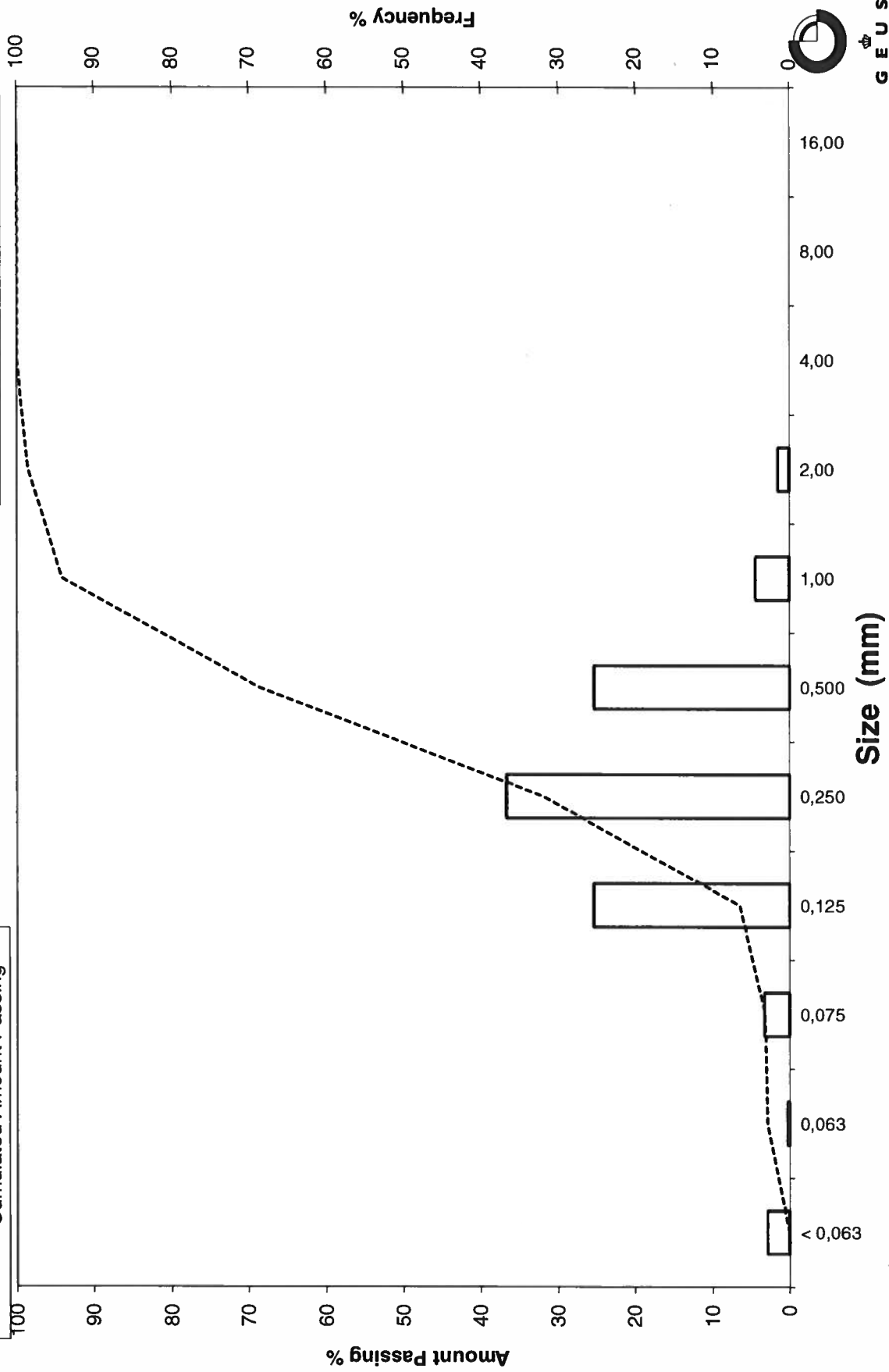
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# Grain Size Distribution

Sample Id: HRV 13, 350-500

Frequency Percent  
Cumulated Amount Passing



G E U S

# Grain Size Distribution

## Geotechnical

**Sample Id:** HRV 16, 0-240  
**Lab. Id:** 200382  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 108,16 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,00   | 0,00   | 100,00                   |
| 2,00    | -1,00  | 0,58   | 0,54   | 99,46                    |
| 1,00    | 0,00   | 7,47   | 6,91   | 92,56                    |
| 0,500   | 1,00   | 12,25  | 11,33  | 81,23                    |
| 0,250   | 2,00   | 40,04  | 37,02  | 44,21                    |
| 0,125   | 3,00   | 41,34  | 38,22  | 5,99                     |
| 0,075   | 3,74   | 4,58   | 4,23   | 1,76                     |
| 0,063   | 3,99   | 0,31   | 0,29   | 1,47                     |
| < 0,063 | > 3,99 | 1,59   | 1,47   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 1,47     |
| Sand, fine (0,063 mm - 0,200 mm): | 42,74    |
| Sand, medium (0,2 mm - 0,6 mm):   | 42,41    |
| Sand, coarse (0,6 mm - 2 mm):     | 12,84    |
| Gravel (> 2 mm):                  | 0,54     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 1,14  | -0,19 |
| 16%             | 84%            | 0,55  | 0,86  |
| 25%             | 75%            | 0,34  | 1,57  |
| 40%             | 60%            | 0,29  | 1,76  |
| Median 50%      | 50%            | 0,27  | 1,91  |
| 75%             | 25%            | 0,15  | 2,71  |
| 84%             | 16%            | 0,14  | 2,84  |
| 90%             | 10%            | 0,13  | 2,93  |
| 95%             | 5%             | 0,09  | 3,53  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 1,87  |
| Sorting                | 1,06  |
| Skewness               | -0,09 |
| Kurtosis               | 1,33  |
| Uniformity Coefficient | 2,25  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

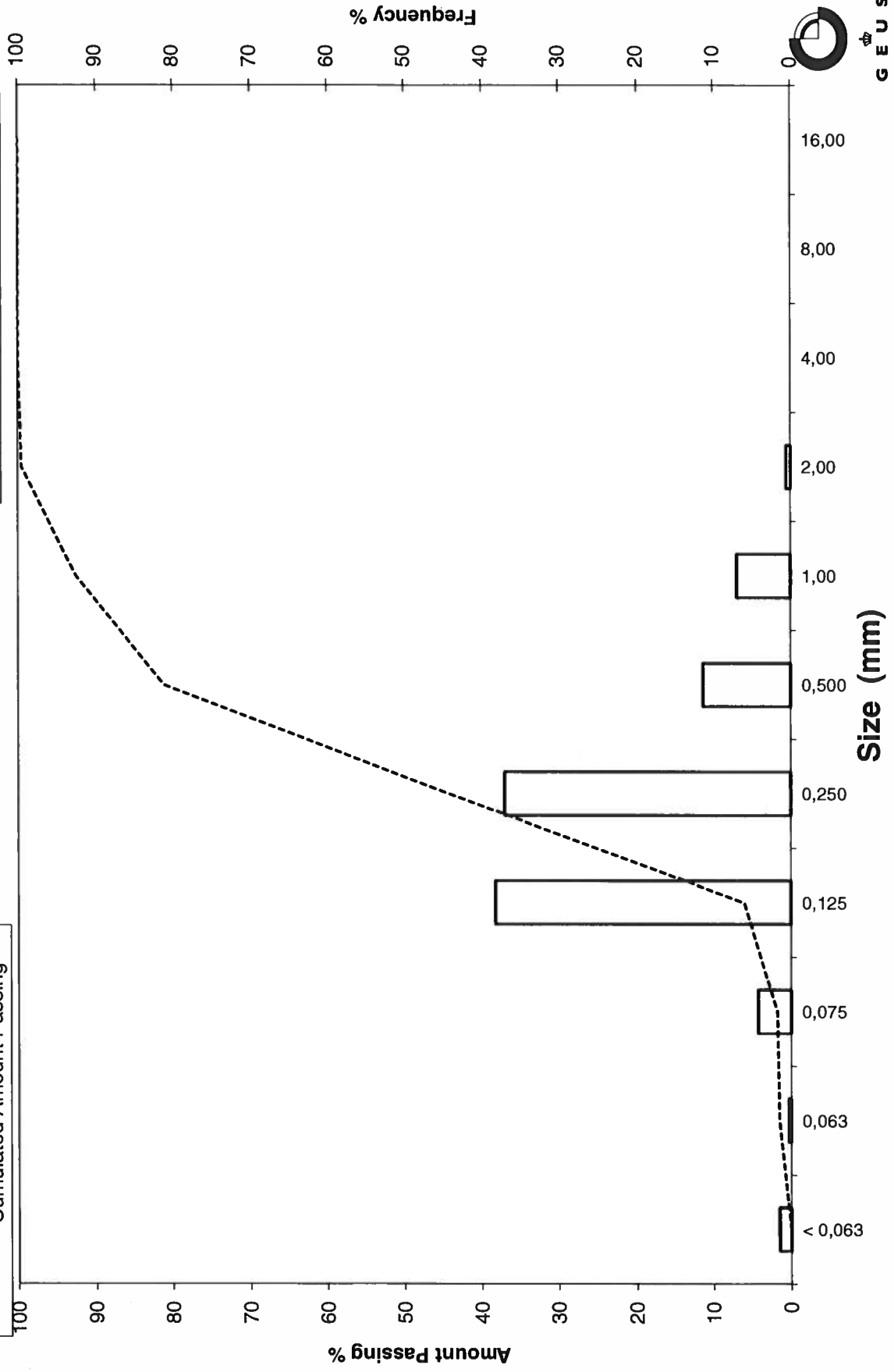
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: HRV 16, 0-240

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** HRV 17, 0-250  
**Lab. Id:** 200383  
**Projekt:** MST Råstøfkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 114,15 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,00   | 0,00   | 100,00                   |
| 2,00    | -1,00  | 3,81   | 3,34   | 96,66                    |
| 1,00    | 0,00   | 16,40  | 14,37  | 82,30                    |
| 0,500   | 1,00   | 25,52  | 22,36  | 59,94                    |
| 0,250   | 2,00   | 29,86  | 26,16  | 33,78                    |
| 0,125   | 3,00   | 32,72  | 28,66  | 5,12                     |
| 0,075   | 3,74   | 3,83   | 3,36   | 1,76                     |
| 0,063   | 3,99   | 0,23   | 0,20   | 1,56                     |
| < 0,063 | > 3,99 | 1,78   | 1,56   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 1,56     |
| Sand, fine (0,063 mm - 0,200 mm): | 32,22    |
| Sand, medium (0,2 mm - 0,6 mm):   | 36,80    |
| Sand, coarse (0,6 mm - 2 mm):     | 26,08    |
| Gravel (> 2 mm):                  | 3,34     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 1,35  | -0,44 |
| 16%             | 84%            | 1,05  | -0,07 |
| 25%             | 75%            | 0,64  | 0,64  |
| 40%             | 60%            | 0,50  | 1,00  |
| Median 50%      | 50%            | 0,32  | 1,67  |
| 75%             | 25%            | 0,16  | 2,62  |
| 84%             | 16%            | 0,15  | 2,78  |
| 90%             | 10%            | 0,13  | 2,90  |
| 95%             | 5%             | 0,09  | 3,48  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 1,46  |
| Sorting                | 1,30  |
| Skewness               | -0,15 |
| Kurtosis               | 0,81  |
| Uniformity Coefficient | 3,73  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

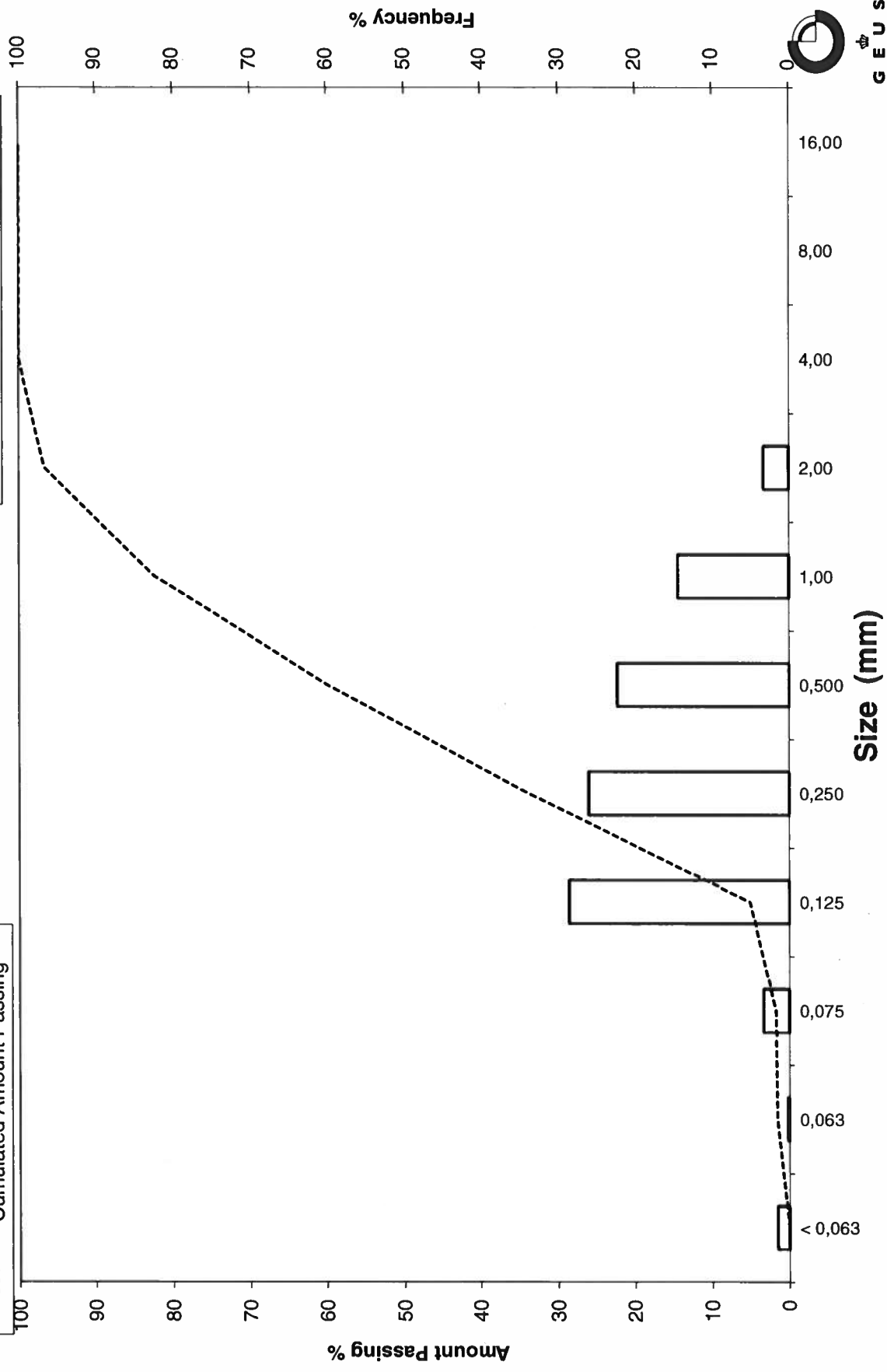
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: HRV 17, 0-250

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** HRV 34, 160-250  
**Lab. Id:** 200384  
**Projekt:** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 260,6 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 16,73  | 6,42   | 93,58                    |
| 8,00    | -3,00  | 3,73   | 1,43   | 92,15                    |
| 4,00    | -2,00  | 4,61   | 1,77   | 90,38                    |
| 2,00    | -1,00  | 13,64  | 5,23   | 85,15                    |
| 1,00    | 0,00   | 36,77  | 14,11  | 71,04                    |
| 0,500   | 1,00   | 94,66  | 36,32  | 34,71                    |
| 0,250   | 2,00   | 51,34  | 19,70  | 15,01                    |
| 0,125   | 3,00   | 31,77  | 12,19  | 2,82                     |
| 0,075   | 3,74   | 4,70   | 1,80   | 1,02                     |
| 0,063   | 3,99   | 0,25   | 0,10   | 0,92                     |
| < 0,063 | > 3,99 | 2,41   | 0,92   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,92     |
| Sand, fine (0,063 mm - 0,200 mm): | 14,09    |
| Sand, medium (0,2 mm - 0,6 mm):   | 37,00    |
| Sand, coarse (0,6 mm - 2 mm):     | 33,14    |
| Gravel (> 2 mm):                  | 14,85    |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | ----- | ----- |
| 16%             | 84%            | 1,37  | -0,45 |
| 25%             | 75%            | 1,11  | -0,15 |
| 40%             | 60%            | 0,65  | 0,63  |
| Median 50%      | 50%            | 0,59  | 0,77  |
| 75%             | 25%            | 0,30  | 1,72  |
| 84%             | 16%            | 0,26  | 1,97  |
| 90%             | 10%            | 0,16  | 2,67  |
| 95%             | 5%             | 0,13  | 2,89  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 0,76  |
| Sorting                | ----- |
| Skewness               | ----- |
| Kurtosis               | ----- |
| Uniformity Coefficient | 4,11  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

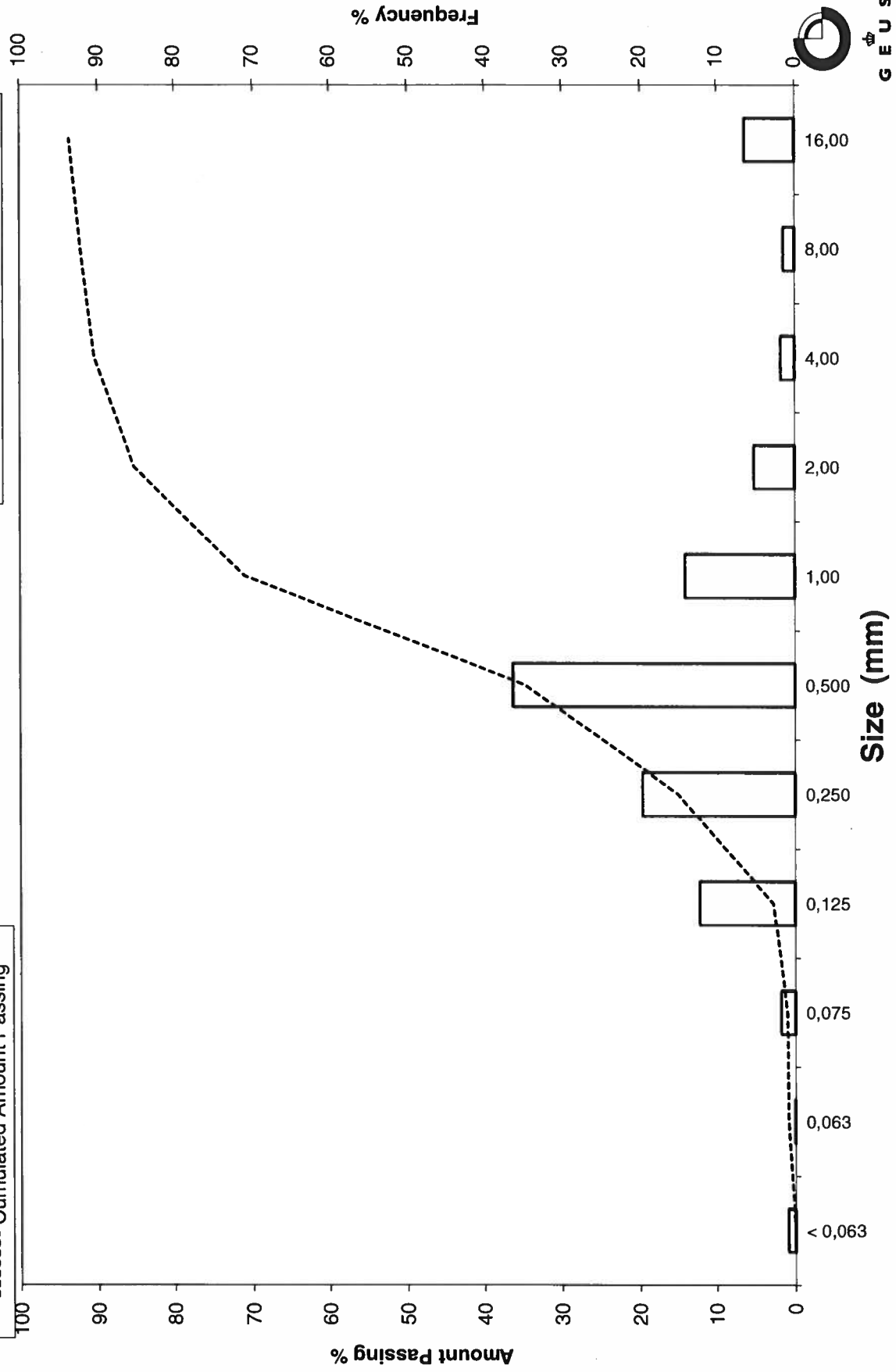
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: HRV 34, 160-250

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** HRV 38, 450-510  
**Lab. Id:** 200385  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 268,13 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 17,51  | 6,53   | 93,47                    |
| 4,00    | -2,00  | 9,45   | 3,52   | 89,95                    |
| 2,00    | -1,00  | 20,80  | 7,76   | 82,19                    |
| 1,00    | 0,00   | 30,87  | 11,51  | 70,68                    |
| 0,500   | 1,00   | 53,07  | 19,79  | 50,88                    |
| 0,250   | 2,00   | 41,79  | 15,58  | 35,30                    |
| 0,125   | 3,00   | 51,60  | 19,24  | 16,05                    |
| 0,075   | 3,74   | 31,65  | 11,80  | 4,25                     |
| 0,063   | 3,99   | 2,36   | 0,88   | 3,37                     |
| < 0,063 | > 3,99 | 9,03   | 3,37   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 3,37     |
| Sand, fine (0,063 mm - 0,200 mm): | 31,93    |
| Sand, medium (0,2 mm - 0,6 mm):   | 25,01    |
| Sand, coarse (0,6 mm - 2 mm):     | 21,88    |
| Gravel (> 2 mm):                  | 17,81    |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 9,87  | -3,30 |
| 16%             | 84%            | 2,19  | -1,13 |
| 25%             | 75%            | 1,15  | -0,20 |
| 40%             | 60%            | 0,60  | 0,74  |
| Median 50%      | 50%            | 0,35  | 1,52  |
| 75%             | 25%            | 0,15  | 2,73  |
| 84%             | 16%            | 0,09  | 3,48  |
| 90%             | 10%            | 0,08  | 3,60  |
| 95%             | 5%             | 0,08  | 3,72  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 1,29  |
| Sorting                | 2,21  |
| Skewness               | -0,26 |
| Kurtosis               | 0,98  |
| Uniformity Coefficient | 7,25  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

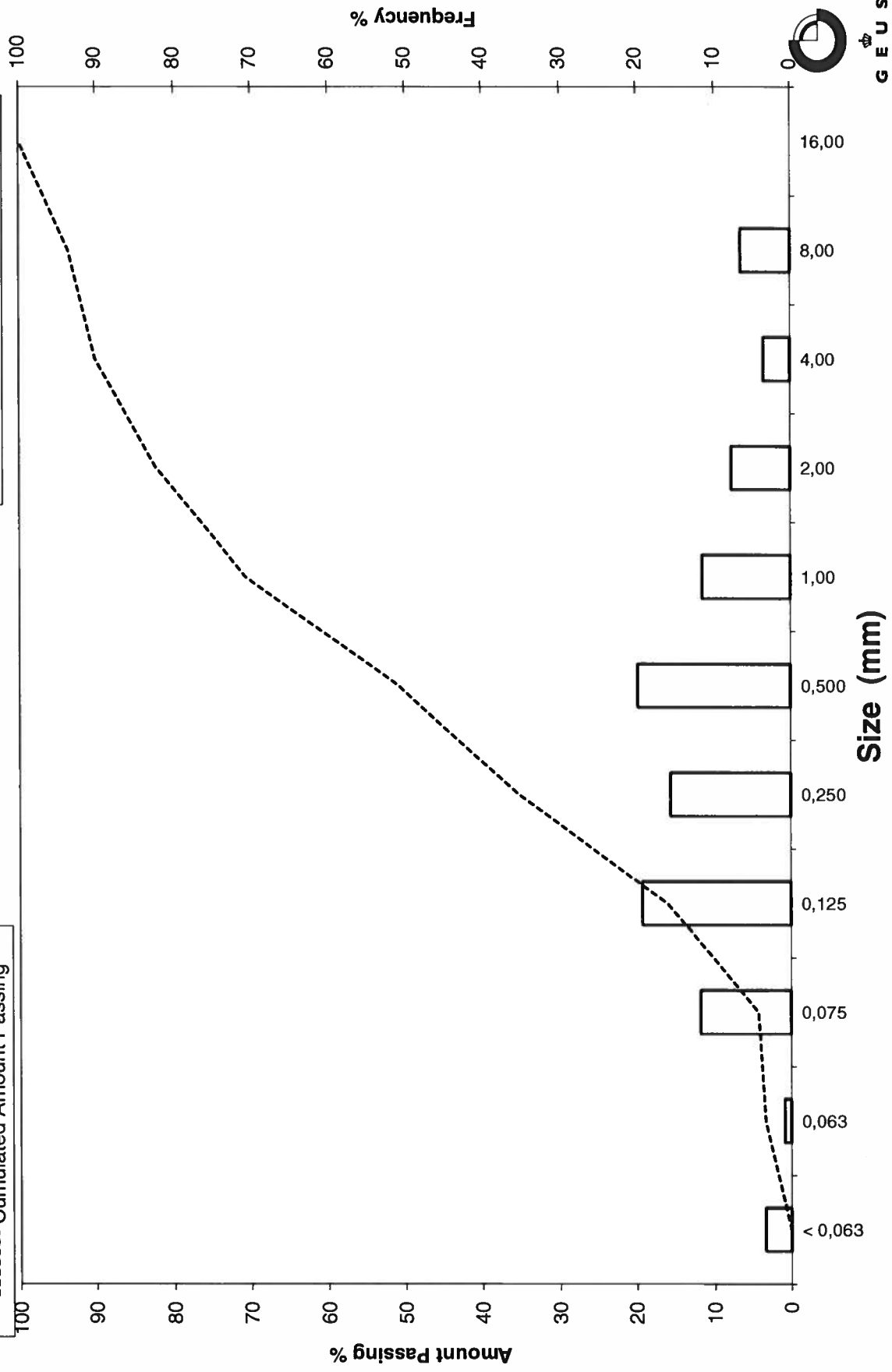
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# Grain Size Distribution

Sample Id: HRV 38, 450-510

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** HRV 49, 0-200  
**Lab. Id:** 200386  
**Projekt:** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** fraktion>2mm bestod af skaller



**Total Weight** 108,33 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,15   | 0,14   | 99,86                    |
| 2,00    | -1,00  | 3,08   | 2,84   | 97,02                    |
| 1,00    | 0,00   | 11,78  | 10,87  | 86,14                    |
| 0,500   | 1,00   | 25,10  | 23,17  | 62,97                    |
| 0,250   | 2,00   | 27,74  | 25,61  | 37,37                    |
| 0,125   | 3,00   | 32,49  | 29,99  | 7,38                     |
| 0,075   | 3,74   | 5,64   | 5,21   | 2,17                     |
| 0,063   | 3,99   | 0,35   | 0,32   | 1,85                     |
| < 0,063 | > 3,99 | 2,00   | 1,85   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 1,85     |
| Sand, fine (0,063 mm - 0,200 mm): | 35,52    |
| Sand, medium (0,2 mm - 0,6 mm):   | 36,64    |
| Sand, coarse (0,6 mm - 2 mm):     | 23,01    |
| Gravel (> 2 mm):                  | 2,98     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 1,33  | -0,41 |
| 16%             | 84%            | 0,69  | 0,53  |
| 25%             | 75%            | 0,61  | 0,72  |
| 40%             | 60%            | 0,34  | 1,54  |
| Median 50%      | 50%            | 0,30  | 1,73  |
| 75%             | 25%            | 0,16  | 2,67  |
| 84%             | 16%            | 0,14  | 2,83  |
| 90%             | 10%            | 0,13  | 2,95  |
| 95%             | 5%             | 0,08  | 3,59  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 1,70  |
| Sorting                | 1,18  |
| Skewness               | -0,06 |
| Kurtosis               | 0,84  |
| Uniformity Coefficient | 2,64  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)  
 Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)  
 Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)  
 Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)  
 Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

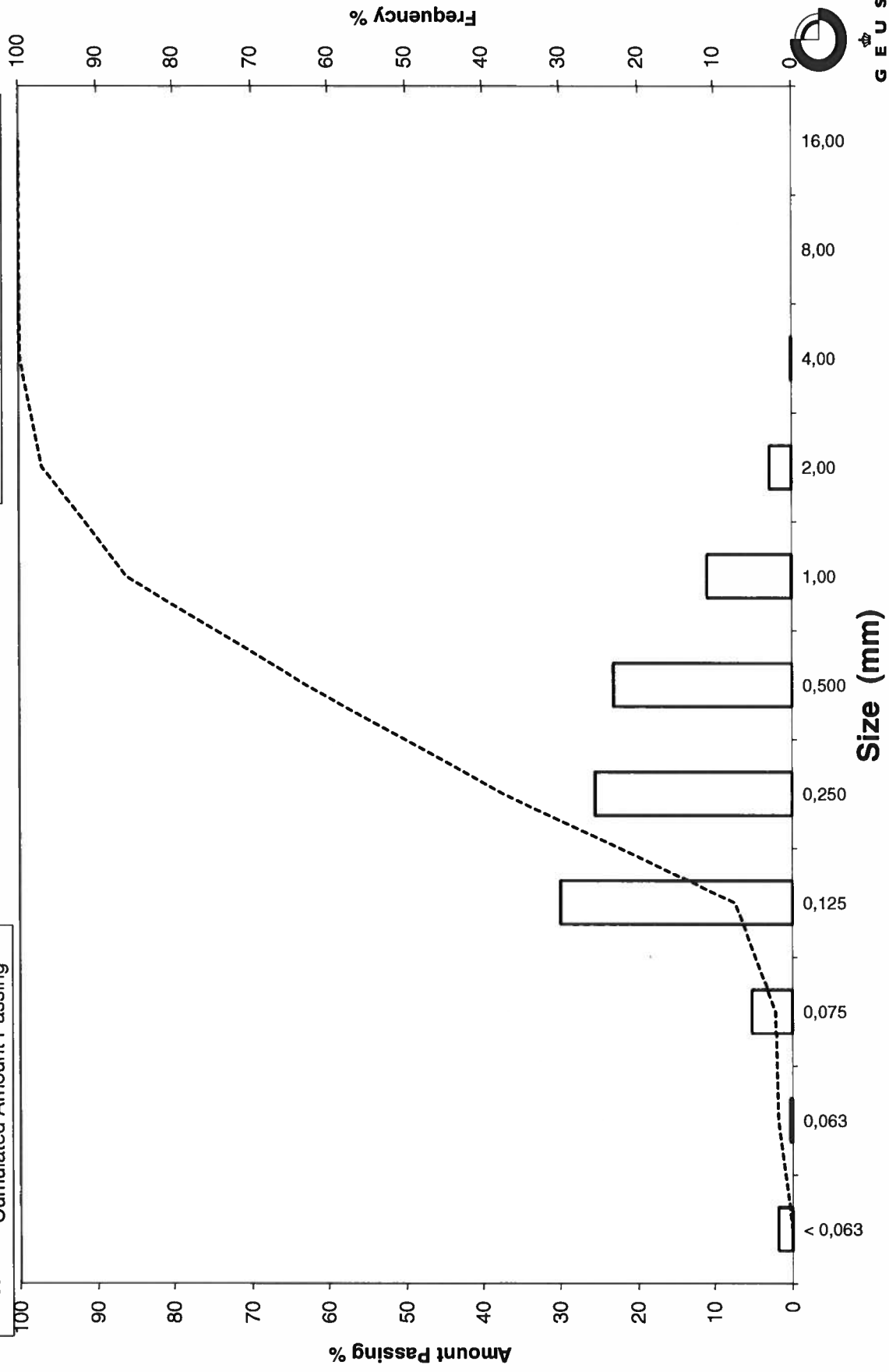
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: HRV 49, 0-200

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** HRV 49, 300-470  
**Lab. Id:** 200387  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 119,65 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 2,39   | 2,00   | 98,00                    |
| 4,00    | -2,00  | 0,67   | 0,56   | 97,44                    |
| 2,00    | -1,00  | 5,52   | 4,61   | 92,83                    |
| 1,00    | 0,00   | 28,38  | 23,72  | 69,11                    |
| 0,500   | 1,00   | 51,78  | 43,28  | 25,83                    |
| 0,250   | 2,00   | 23,67  | 19,78  | 6,05                     |
| 0,125   | 3,00   | 4,44   | 3,71   | 2,34                     |
| 0,075   | 3,74   | 0,89   | 0,74   | 1,60                     |
| 0,063   | 3,99   | 0,14   | 0,12   | 1,48                     |
| < 0,063 | > 3,99 | 1,77   | 1,48   | 0,00                     |

Gravel

Sand

Sieve Analysis

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 1,48     |
| Sand, fine (0,063 mm - 0,200 mm): | 4,57     |
| Sand, medium (0,2 mm - 0,6 mm):   | 40,39    |
| Sand, coarse (0,6 mm - 2 mm):     | 46,39    |
| Gravel (> 2 mm):                  | 7,17     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 2,38  | -1,25 |
| 16%             | 84%            | 1,25  | -0,32 |
| 25%             | 75%            | 1,10  | -0,14 |
| 40%             | 60%            | 0,67  | 0,59  |
| Median 50%      | 50%            | 0,62  | 0,70  |
| 75%             | 25%            | 0,35  | 1,51  |
| 84%             | 16%            | 0,30  | 1,72  |
| 90%             | 10%            | 0,27  | 1,88  |
| 95%             | 5%             | 0,16  | 2,60  |

### Moments Statistics

|                        |      |
|------------------------|------|
| Mean                   | 0,70 |
| Sorting                | 1,10 |
| Skewness               | 0,00 |
| Kurtosis               | 0,96 |
| Uniformity Coefficient | 2,46 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)  
 Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)  
 Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)  
 Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)  
 Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgt-Bulletin 1988)

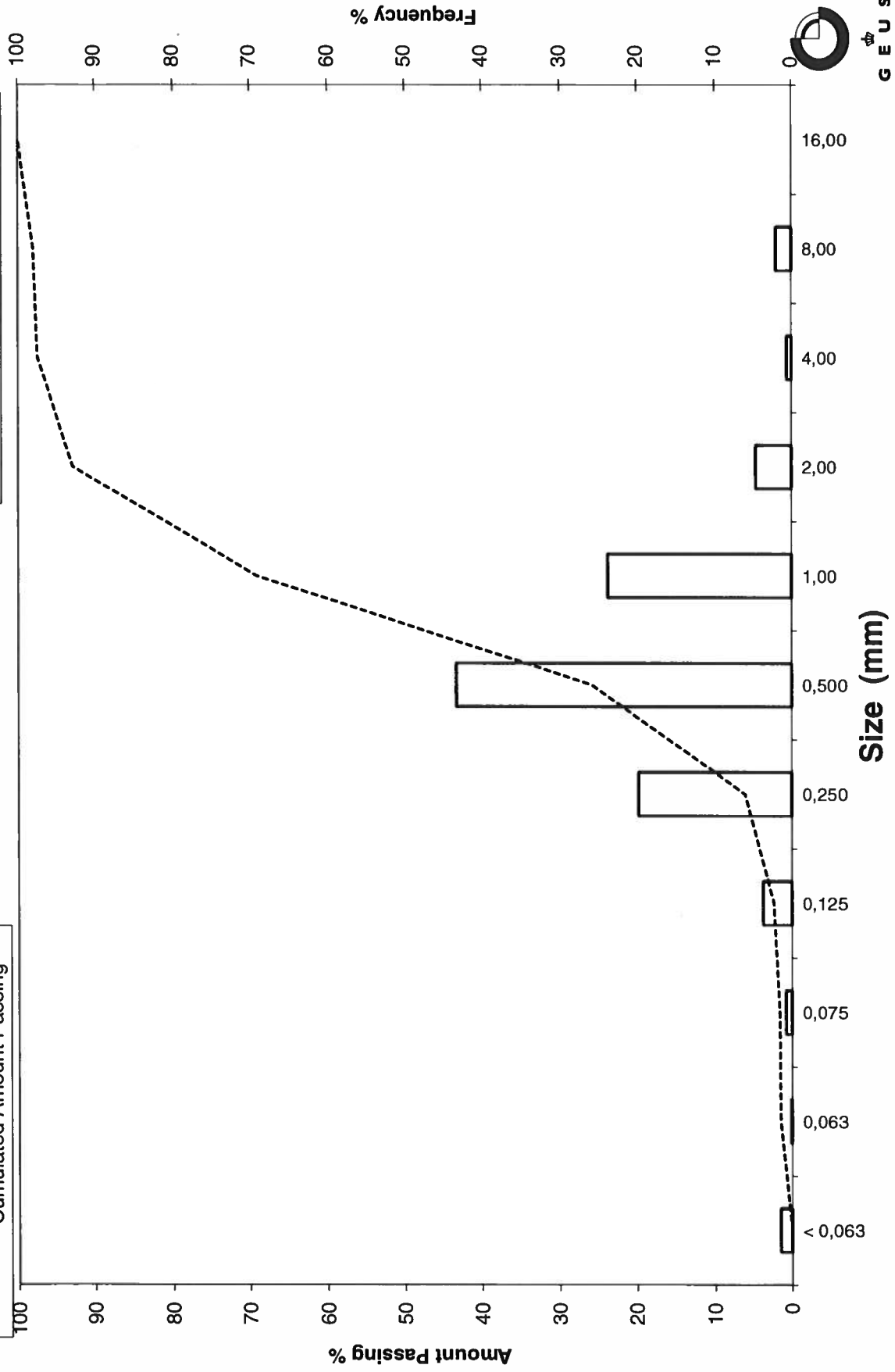
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: HRV 49, 300-470

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** HRNE 02, 0-300  
**Lab. Id:** 200447  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >2mm består af skaller



**Total Weight** 97,64 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,00   | 0,00   | 100,00                   |
| 2,00    | -1,00  | 0,13   | 0,13   | 99,87                    |
| 1,00    | 0,00   | 0,16   | 0,16   | 99,70                    |
| 0,500   | 1,00   | 0,47   | 0,48   | 99,22                    |
| 0,250   | 2,00   | 12,85  | 13,16  | 86,06                    |
| 0,125   | 3,00   | 72,99  | 74,75  | 11,31                    |
| 0,075   | 3,74   | 9,56   | 9,79   | 1,52                     |
| 0,063   | 3,99   | 0,22   | 0,23   | 1,29                     |
| < 0,063 | > 3,99 | 1,26   | 1,29   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 1,29     |
| Sand, fine (0,063 mm - 0,200 mm): | 84,77    |
| Sand, medium (0,2 mm - 0,6 mm):   | 13,39    |
| Sand, coarse (0,6 mm - 2 mm):     | 0,42     |
| Gravel (> 2 mm):                  | 0,13     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,32  | 1,64 |
| 16%             | 84%            | 0,18  | 2,49 |
| 25%             | 75%            | 0,17  | 2,54 |
| 40%             | 60%            | 0,16  | 2,64 |
| Median 50%      | 50%            | 0,15  | 2,70 |
| 75%             | 25%            | 0,14  | 2,89 |
| 84%             | 16%            | 0,13  | 2,96 |
| 90%             | 10%            | 0,09  | 3,51 |
| 95%             | 5%             | 0,08  | 3,64 |

### Moments Statistics

|                        |      |
|------------------------|------|
| Mean                   | 2,72 |
| Sorting                | 0,42 |
| Skewness               | 0,01 |
| Kurtosis               | 2,36 |
| Uniformity Coefficient | 1,83 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

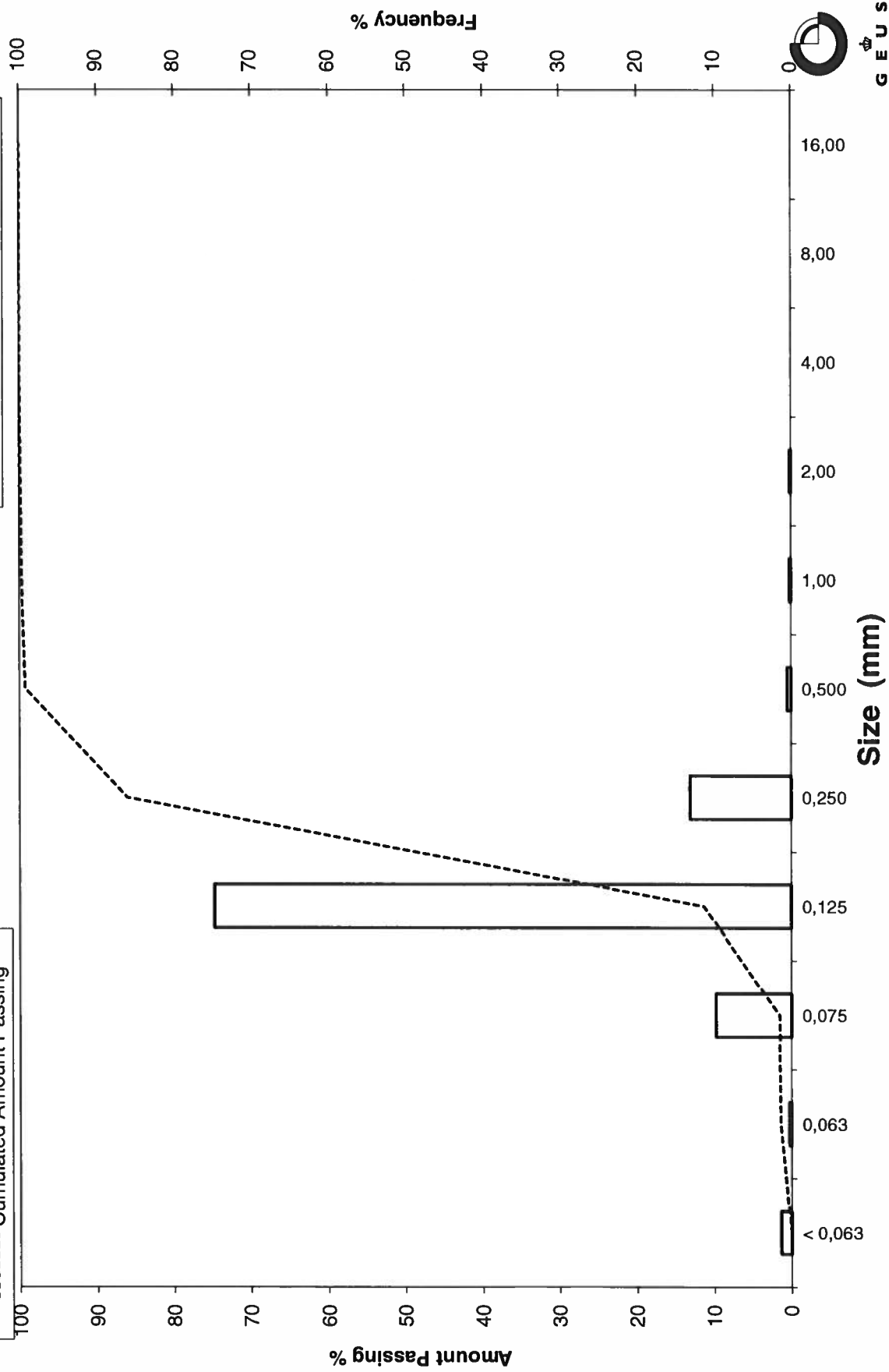
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Sample Id: HRNE 02, 0-300

# Grain Size Distribution

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** HRNE 03, 0-400  
**Lab. Id:** 200448  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >2mm består af skaller



**Total Weight** 98,65 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated<br>amount<br>passing |
|---------|--------|--------|--------|--------------------------------|
| mm      | Φ      | g      | %      | %                              |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                         |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                         |
| 4,00    | -2,00  | 0,00   | 0,00   | 100,00                         |
| 2,00    | -1,00  | 0,14   | 0,14   | 99,86                          |
| 1,00    | 0,00   | 0,36   | 0,36   | 99,49                          |
| 0,500   | 1,00   | 3,35   | 3,40   | 96,10                          |
| 0,250   | 2,00   | 29,52  | 29,92  | 66,17                          |
| 0,125   | 3,00   | 62,33  | 63,18  | 2,99                           |
| 0,075   | 3,74   | 1,73   | 1,75   | 1,24                           |
| 0,063   | 3,99   | 0,05   | 0,05   | 1,19                           |
| < 0,063 | > 3,99 | 1,17   | 1,19   | 0,00                           |

Gravel

Sand

Sieve Analysis

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 1,19     |
| Sand, fine (0,063 mm - 0,200 mm): | 64,99    |
| Sand, medium (0,2 mm - 0,6 mm):   | 31,54    |
| Sand, coarse (0,6 mm - 2 mm):     | 2,14     |
| Gravel (> 2 mm):                  | 0,14     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,35  | 1,51 |
| 16%             | 84%            | 0,31  | 1,68 |
| 25%             | 75%            | 0,28  | 1,83 |
| 40%             | 60%            | 0,17  | 2,52 |
| Median 50%      | 50%            | 0,17  | 2,59 |
| 75%             | 25%            | 0,14  | 2,79 |
| 84%             | 16%            | 0,14  | 2,87 |
| 90%             | 10%            | 0,13  | 2,93 |
| 95%             | 5%             | 0,13  | 2,98 |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 2,38  |
| Sorting                | 0,52  |
| Skewness               | -0,50 |
| Kurtosis               | 0,63  |
| Uniformity Coefficient | 1,33  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles  
are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

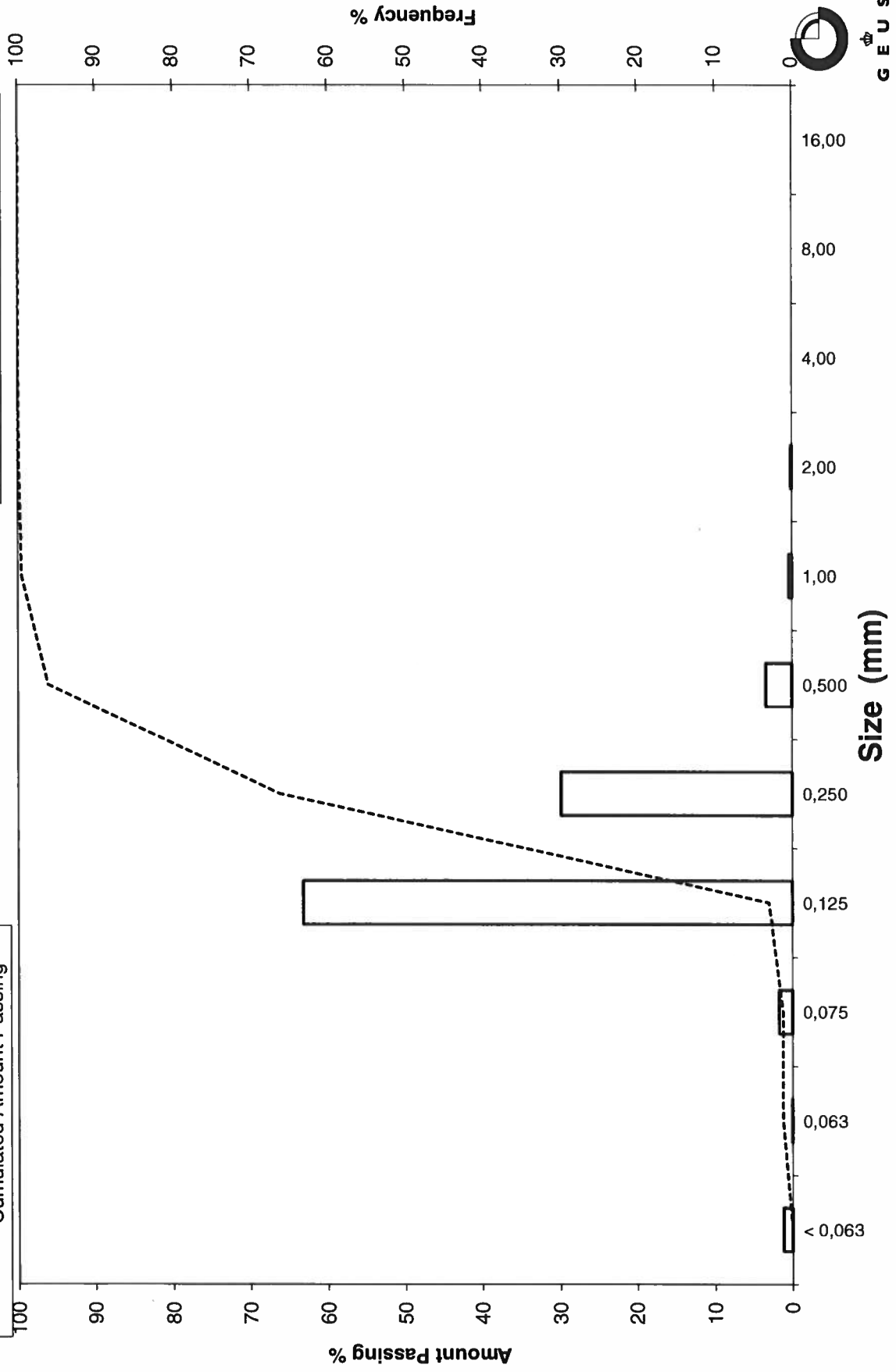
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Sample Id: HRNE 03, 0-400

## Grain Size Distribution

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** HRNE 06, 0-140  
**Lab. Id:** 200449  
**Projekt:** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >1mm består af skaller



**Total Weight** 96,57 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,12   | 0,12   | 99,88                    |
| 2,00    | -1,00  | 0,24   | 0,25   | 99,63                    |
| 1,00    | 0,00   | 0,29   | 0,30   | 99,33                    |
| 0,500   | 1,00   | 1,85   | 1,92   | 97,41                    |
| 0,250   | 2,00   | 31,25  | 32,36  | 65,05                    |
| 0,125   | 3,00   | 58,35  | 60,42  | 4,63                     |
| 0,075   | 3,74   | 3,52   | 3,65   | 0,98                     |
| 0,063   | 3,99   | 0,06   | 0,06   | 0,92                     |
| < 0,063 | > 3,99 | 0,89   | 0,92   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,92     |
| Sand, fine (0,063 mm - 0,200 mm): | 64,13    |
| Sand, medium (0,2 mm - 0,6 mm):   | 33,27    |
| Sand, coarse (0,6 mm - 2 mm):     | 1,30     |
| Gravel (> 2 mm):                  | 0,37     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,35  | 1,53 |
| 16%             | 84%            | 0,31  | 1,68 |
| 25%             | 75%            | 0,28  | 1,82 |
| 40%             | 60%            | 0,18  | 2,51 |
| Median 50%      | 50%            | 0,17  | 2,59 |
| 75%             | 25%            | 0,14  | 2,80 |
| 84%             | 16%            | 0,14  | 2,89 |
| 90%             | 10%            | 0,13  | 2,94 |
| 95%             | 5%             | 0,13  | 3,00 |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 2,39  |
| Sorting                | 0,52  |
| Skewness               | -0,48 |
| Kurtosis               | 0,62  |
| Uniformity Coefficient | 1,35  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

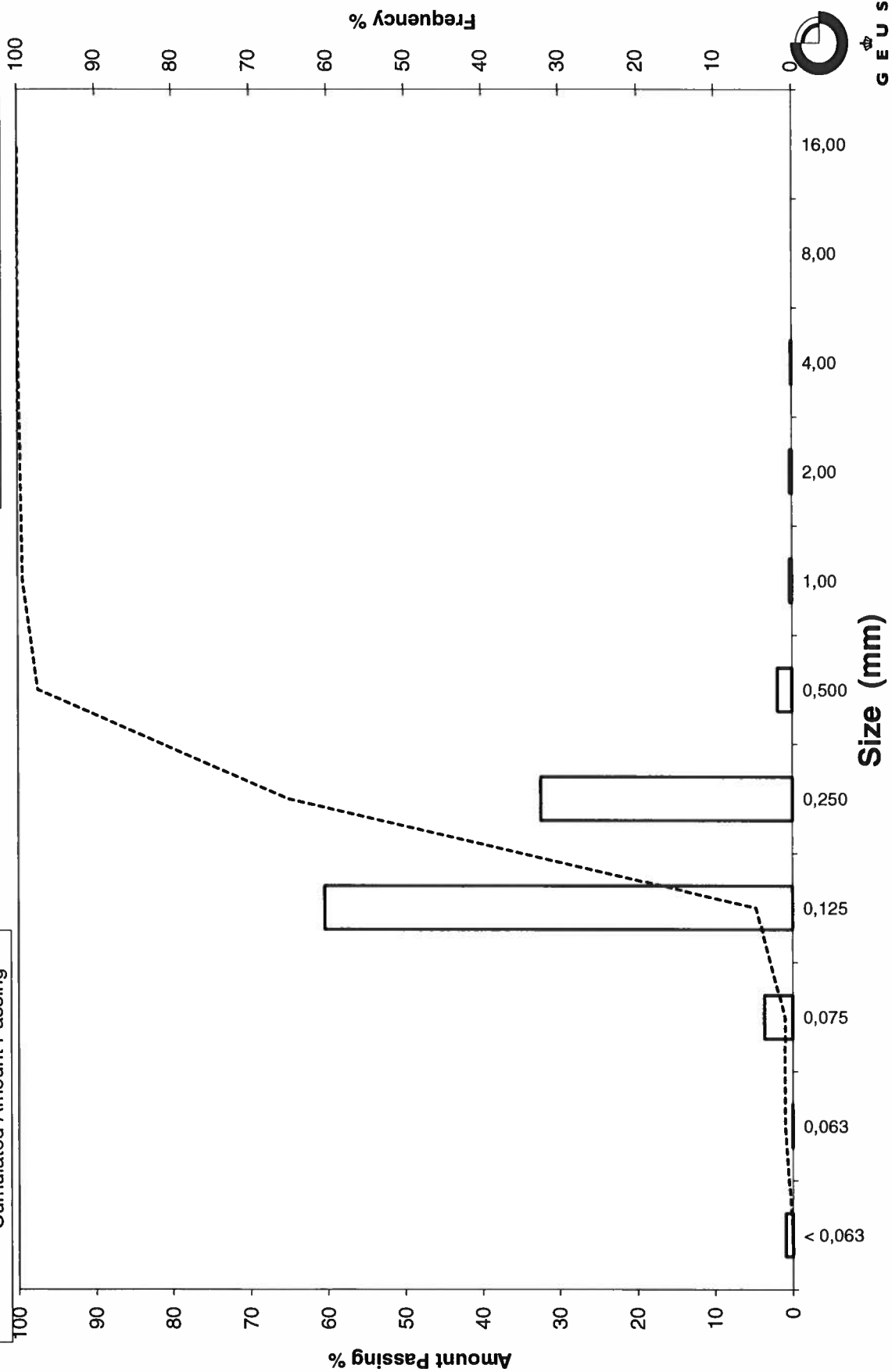
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Sample Id: HRNE 06, 0-140

# Grain Size Distribution

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** HRNE 12, 0-200  
**Lab. Id:** 200450  
**Projekt:** MST Råstøfkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >2mm består af skaller



**Total Weight** 106,06 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,52   | 0,49   | 99,51                    |
| 4,00    | -2,00  | 1,18   | 1,11   | 98,40                    |
| 2,00    | -1,00  | 4,33   | 4,08   | 94,31                    |
| 1,00    | 0,00   | 4,50   | 4,24   | 90,07                    |
| 0,500   | 1,00   | 13,05  | 12,30  | 77,77                    |
| 0,250   | 2,00   | 36,83  | 34,73  | 43,04                    |
| 0,125   | 3,00   | 40,24  | 37,94  | 5,10                     |
| 0,075   | 3,74   | 3,98   | 3,75   | 1,35                     |
| 0,063   | 3,99   | 0,21   | 0,20   | 1,15                     |
| < 0,063 | > 3,99 | 1,22   | 1,15   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 1,15     |
| Sand, fine (0,063 mm - 0,200 mm): | 41,89    |
| Sand, medium (0,2 mm - 0,6 mm):   | 40,58    |
| Sand, coarse (0,6 mm - 2 mm):     | 10,69    |
| Gravel (> 2 mm):                  | 5,69     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 2,13  | -1,09 |
| 16%             | 84%            | 0,61  | 0,72  |
| 25%             | 75%            | 0,35  | 1,53  |
| 40%             | 60%            | 0,30  | 1,73  |
| Median 50%      | 50%            | 0,27  | 1,88  |
| 75%             | 25%            | 0,15  | 2,70  |
| 84%             | 16%            | 0,14  | 2,83  |
| 90%             | 10%            | 0,13  | 2,92  |
| 95%             | 5%             | 0,09  | 3,48  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 1,81  |
| Sorting                | 1,22  |
| Skewness               | -0,20 |
| Kurtosis               | 1,60  |
| Uniformity Coefficient | 2,28  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

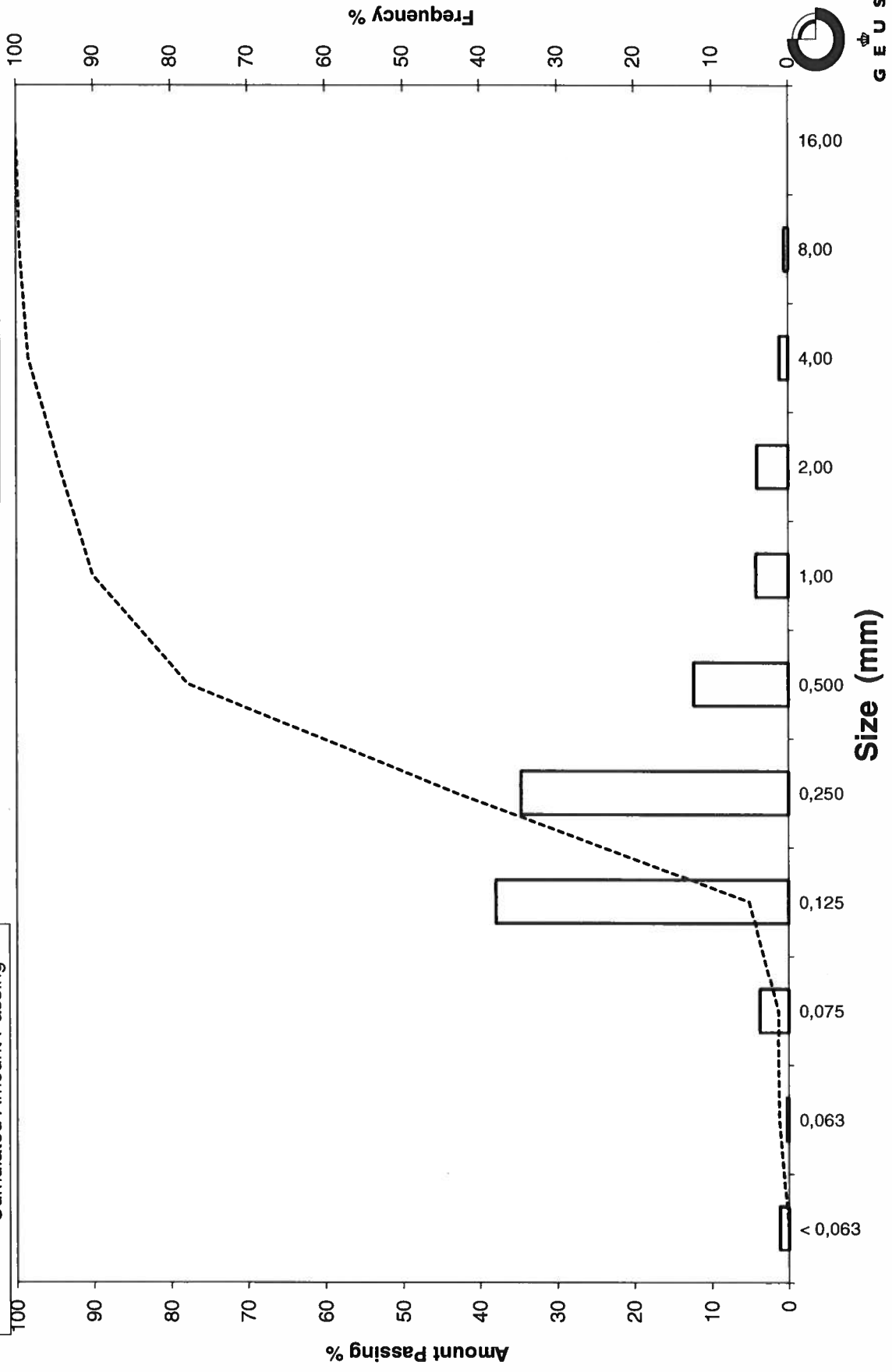
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: HRNE 12, 0-200

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** HRNE 14, 0-300  
**Lab. Id:** 200451  
**Projekt:** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >2mm består af skaller



**Total Weight** 97,2 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,01   | 0,01   | 99,99                    |
| 2,00    | -1,00  | 0,51   | 0,52   | 99,47                    |
| 1,00    | 0,00   | 0,55   | 0,57   | 98,90                    |
| 0,500   | 1,00   | 7,65   | 7,87   | 91,03                    |
| 0,250   | 2,00   | 24,46  | 25,16  | 65,86                    |
| 0,125   | 3,00   | 44,13  | 45,40  | 20,46                    |
| 0,075   | 3,74   | 16,88  | 17,37  | 3,10                     |
| 0,063   | 3,99   | 0,73   | 0,75   | 2,35                     |
| < 0,063 | > 3,99 | 2,28   | 2,35   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 2,35     |
| Sand, fine (0,063 mm - 0,200 mm): | 63,52    |
| Sand, medium (0,2 mm - 0,6 mm):   | 28,91    |
| Sand, coarse (0,6 mm - 2 mm):     | 4,69     |
| Gravel (> 2 mm):                  | 0,53     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,61  | 0,72 |
| 16%             | 84%            | 0,33  | 1,62 |
| 25%             | 75%            | 0,29  | 1,80 |
| 40%             | 60%            | 0,17  | 2,53 |
| Median 50%      | 50%            | 0,16  | 2,64 |
| 75%             | 25%            | 0,13  | 2,94 |
| 84%             | 16%            | 0,09  | 3,54 |
| 90%             | 10%            | 0,08  | 3,63 |
| 95%             | 5%             | 0,08  | 3,71 |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 2,60  |
| Sorting                | 0,93  |
| Skewness               | -0,17 |
| Kurtosis               | 1,07  |
| Uniformity Coefficient | 2,14  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)  
 Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)  
 Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)  
 Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)  
 Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

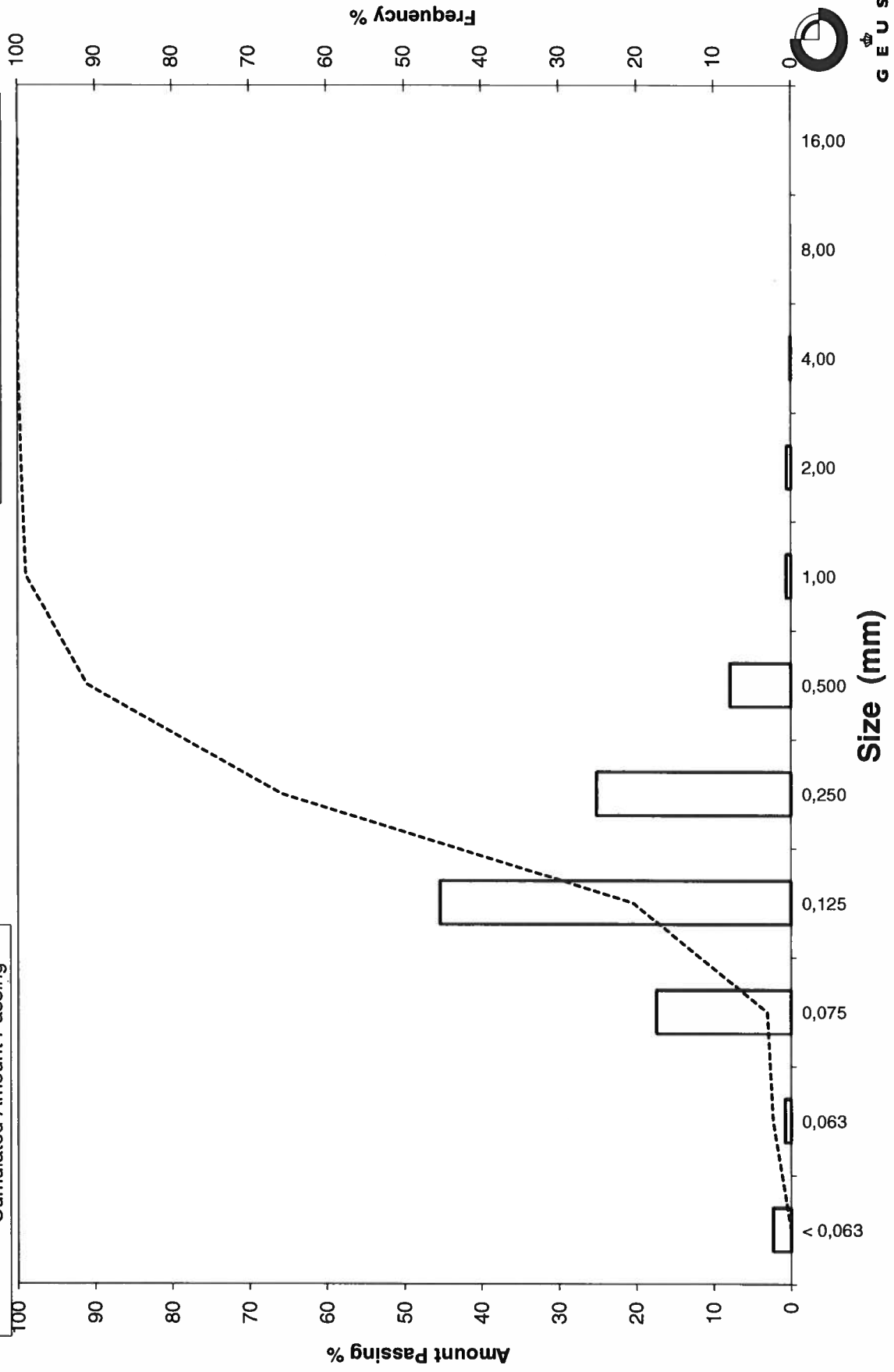
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: HRNE 14, 0-300

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** HRNE 17, 0-400  
**Lab. Id:** 200452  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >2mm består af skaller



**Total Weight** 96,09 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,00   | 0,00   | 100,00                   |
| 2,00    | -1,00  | 0,21   | 0,22   | 99,78                    |
| 1,00    | 0,00   | 0,27   | 0,28   | 99,50                    |
| 0,500   | 1,00   | 4,15   | 4,32   | 95,18                    |
| 0,250   | 2,00   | 15,75  | 16,39  | 78,79                    |
| 0,125   | 3,00   | 67,64  | 70,39  | 8,40                     |
| 0,075   | 3,74   | 6,39   | 6,65   | 1,75                     |
| 0,063   | 3,99   | 0,29   | 0,30   | 1,45                     |
| < 0,063 | > 3,99 | 1,39   | 1,45   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 1,45     |
| Sand, fine (0,063 mm - 0,200 mm): | 77,34    |
| Sand, medium (0,2 mm - 0,6 mm):   | 18,45    |
| Sand, coarse (0,6 mm - 2 mm):     | 2,54     |
| Gravel (> 2 mm):                  | 0,22     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,35  | 1,50 |
| 16%             | 84%            | 0,28  | 1,82 |
| 25%             | 75%            | 0,18  | 2,50 |
| 40%             | 60%            | 0,17  | 2,60 |
| Median 50%      | 50%            | 0,16  | 2,67 |
| 75%             | 25%            | 0,14  | 2,86 |
| 84%             | 16%            | 0,13  | 2,93 |
| 90%             | 10%            | 0,13  | 2,99 |
| 95%             | 5%             | 0,08  | 3,60 |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 2,47  |
| Sorting                | 0,60  |
| Skewness               | -0,32 |
| Kurtosis               | 2,40  |
| Uniformity Coefficient | 1,31  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

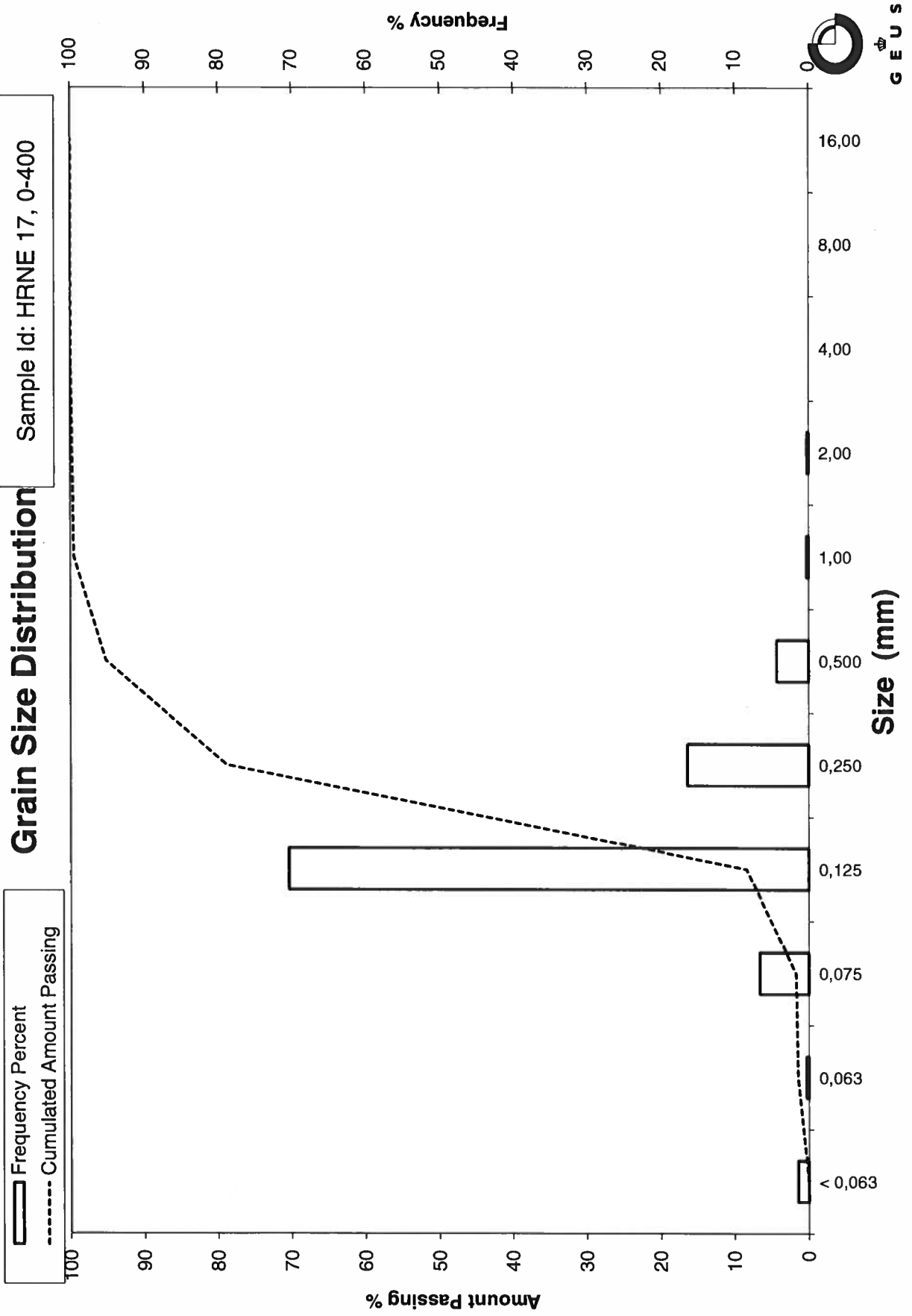
Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Geotechnical

**Sample Id:** HRNE 18, 270-370  
**Lab. Id:** 200529  
**Projekt:** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >16mm heraf 93 g >32 mm og  
 fraktionen > 4mm heraf 13g skaller



**Total Weight** 1338,65 g

## Size Fractions

| Size    | Size   | Weight | Weight | Cumulated<br>amount<br>passing |
|---------|--------|--------|--------|--------------------------------|
| mm      | Φ      | g      | %      | %                              |
| 16,00   | -4,00  | 447,27 | 33,41  | 66,59                          |
| 8,00    | -3,00  | 223,29 | 16,68  | 49,91                          |
| 4,00    | -2,00  | 79,54  | 5,94   | 43,97                          |
| 2,00    | -1,00  | 21,37  | 1,60   | 42,37                          |
| 1,00    | 0,00   | 10,90  | 0,81   | 41,56                          |
| 0,500   | 1,00   | 15,32  | 1,14   | 40,41                          |
| 0,250   | 2,00   | 93,09  | 6,95   | 33,46                          |
| 0,125   | 3,00   | 341,67 | 25,52  | 7,93                           |
| 0,075   | 3,74   | 84,14  | 6,29   | 1,65                           |
| 0,063   | 3,99   | 5,48   | 0,41   | 1,24                           |
| < 0,063 | > 3,99 | 16,58  | 1,24   | 0,00                           |

Gravel

Sand

Sieve Analysis

## Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 1,24     |
| Sand, fine (0,063 mm - 0,200 mm): | 32,22    |
| Sand, medium (0,2 mm - 0,6 mm):   | 7,50     |
| Sand, coarse (0,6 mm - 2 mm):     | 1,41     |
| Gravel (> 2 mm):                  | 57,63    |
| Sum:                              | 100,00   |

## Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | ----- | ----- |
| 16%             | 84%            | ----- | ----- |
| 25%             | 75%            | ----- | ----- |
| 40%             | 60%            | 12,84 | -3,68 |
| Median 50%      | 50%            | 8,04  | -3,01 |
| 75%             | 25%            | 0,16  | 2,63  |
| 84%             | 16%            | 0,14  | 2,81  |
| 90%             | 10%            | 0,13  | 2,95  |
| 95%             | 5%             | 0,08  | 3,59  |

## Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | -0,10 |
| Sorting                | ----- |
| Skewness               | ----- |
| Kurtosis               | ----- |
| Uniformity Coefficient | 99,19 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles  
are found by linear interpolation

## Formulas

Mean ( $\phi_{16\%} + \phi_{84\%} + \phi_{50\%}$ ) / 3 (Folk and Ward 1957)

Sorting ( $\phi_{84\%} - \phi_{16\%}$ ) / 4 + ( $\phi_{95\%} - \phi_{5\%}$ ) / 6,6 (Folk and Ward 1957)

Kurtosis ( $\phi_{95\%} - \phi_{5\%}$ ) / (2,44 \* ( $\phi_{75\%} - \phi_{25\%}$ )) (Folk and Ward 1957)

Skewness ( $\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}$ ) / (2 \* ( $\phi_{84\%} - \phi_{16\%}$ )) + ( $\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}$ ) / (2 \* ( $\phi_{95\%} - \phi_{5\%}$ )) (Folk and Ward 1957)

Uniformity Coefficient ( $d_{60\%} / d_{10\%}$ ) (dgf-Bulletin 1988)

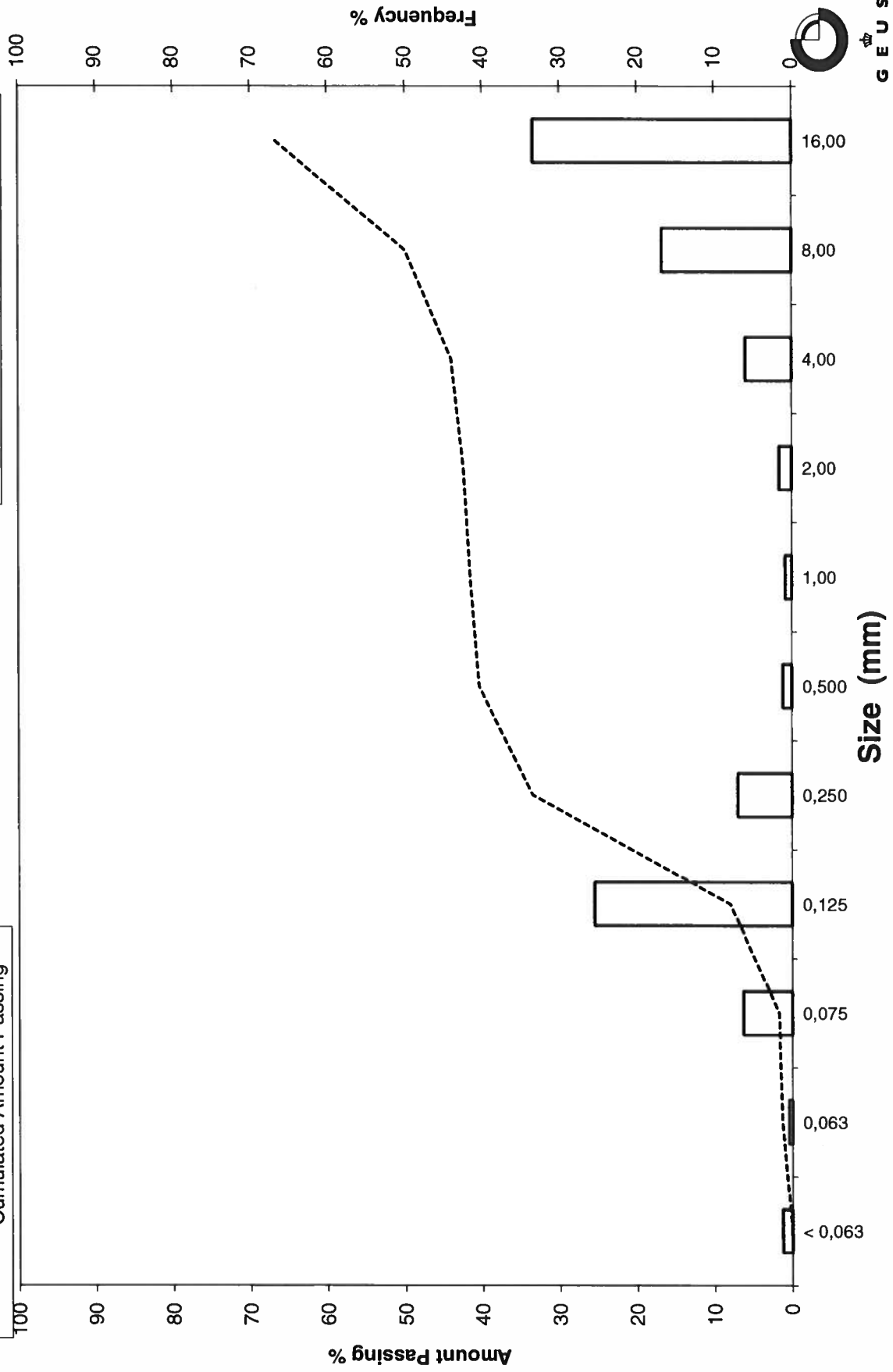
Mean, sorting, skewness and kurtosis are based on  
"Amount in sieve". Uniformity coefficient is based on  
"Amount passing".

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# Grain Size Distribution

Sample Id: HRNE 18, 270-370

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** HRNE 24, 0-120  
**Lab. Id:** 200453  
**Projekt:** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >4mm heraf 0,1 g skaller



**Total Weight** 105,02 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 1,61   | 1,53   | 98,47                    |
| 2,00    | -1,00  | 3,24   | 3,09   | 95,38                    |
| 1,00    | 0,00   | 6,69   | 6,37   | 89,01                    |
| 0,500   | 1,00   | 31,39  | 29,89  | 59,12                    |
| 0,250   | 2,00   | 38,50  | 36,66  | 22,46                    |
| 0,125   | 3,00   | 21,42  | 20,40  | 2,07                     |
| 0,075   | 3,74   | 1,34   | 1,28   | 0,79                     |
| 0,063   | 3,99   | 0,07   | 0,07   | 0,72                     |
| < 0,063 | > 3,99 | 0,76   | 0,72   | 0,00                     |

Gravel

Sand

Sieve Analysis

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,72     |
| Sand, fine (0,063 mm - 0,200 mm): | 21,74    |
| Sand, medium (0,2 mm - 0,6 mm):   | 50,89    |
| Sand, coarse (0,6 mm - 2 mm):     | 22,03    |
| Gravel (> 2 mm):                  | 4,62     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 1,38  | -0,46 |
| 16%             | 84%            | 0,67  | 0,57  |
| 25%             | 75%            | 0,61  | 0,71  |
| 40%             | 60%            | 0,51  | 0,98  |
| Median 50%      | 50%            | 0,33  | 1,60  |
| 75%             | 25%            | 0,26  | 1,96  |
| 84%             | 16%            | 0,16  | 2,62  |
| 90%             | 10%            | 0,15  | 2,77  |
| 95%             | 5%             | 0,13  | 2,91  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 1,60  |
| Sorting                | 1,02  |
| Skewness               | -0,12 |
| Kurtosis               | 1,11  |
| Uniformity Coefficient | 3,46  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)  
 Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)  
 Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)  
 Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)  
 Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

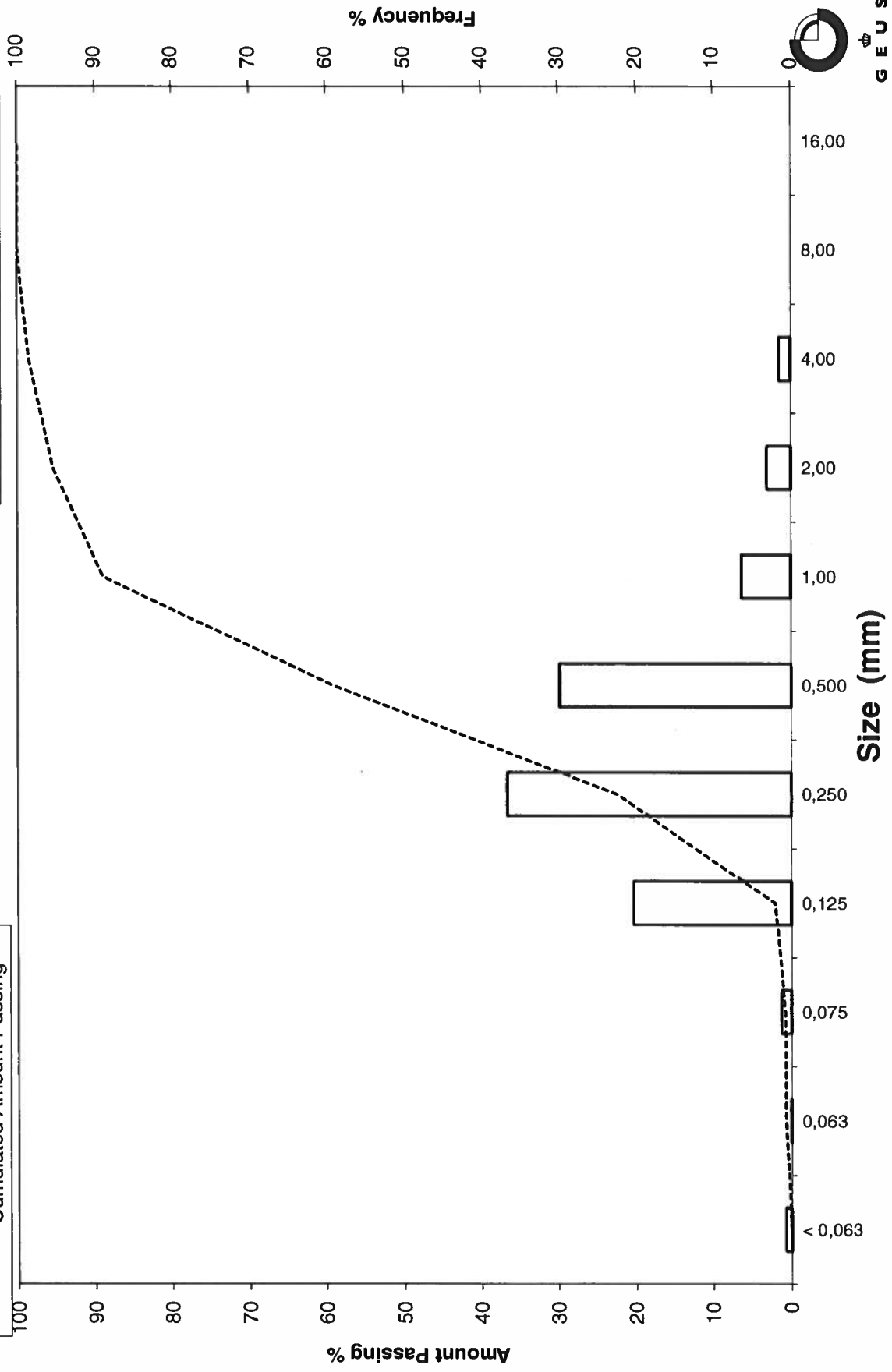
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: HRNE 24, 0-120

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** HRNE 25, 0-200  
**Lab. Id:** 200454  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 92,61 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated<br>amount<br>passing |
|---------|--------|--------|--------|--------------------------------|
| mm      | φ      | g      | %      | %                              |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                         |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                         |
| 4,00    | -2,00  | 0,00   | 0,00   | 100,00                         |
| 2,00    | -1,00  | 0,02   | 0,02   | 99,98                          |
| 1,00    | 0,00   | 0,21   | 0,23   | 99,75                          |
| 0,500   | 1,00   | 2,94   | 3,17   | 96,58                          |
| 0,250   | 2,00   | 41,85  | 45,19  | 51,39                          |
| 0,125   | 3,00   | 43,71  | 47,20  | 4,19                           |
| 0,075   | 3,74   | 2,40   | 2,59   | 1,60                           |
| 0,063   | 3,99   | 0,11   | 0,12   | 1,48                           |
| < 0,063 | > 3,99 | 1,37   | 1,48   | 0,00                           |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 1,48     |
| Sand, fine (0,063 mm - 0,200 mm): | 49,91    |
| Sand, medium (0,2 mm - 0,6 mm):   | 46,70    |
| Sand, coarse (0,6 mm - 2 mm):     | 1,89     |
| Gravel (> 2 mm):                  | 0,02     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,35  | 1,51 |
| 16%             | 84%            | 0,33  | 1,62 |
| 25%             | 75%            | 0,30  | 1,71 |
| 40%             | 60%            | 0,27  | 1,89 |
| Median 50%      | 50%            | 0,18  | 2,49 |
| 75%             | 25%            | 0,15  | 2,74 |
| 84%             | 16%            | 0,14  | 2,85 |
| 90%             | 10%            | 0,13  | 2,92 |
| 95%             | 5%             | 0,13  | 2,99 |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 2,32  |
| Sorting                | 0,53  |
| Skewness               | -0,37 |
| Kurtosis               | 0,59  |
| Uniformity Coefficient | 2,05  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles  
are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)  
 Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)  
 Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)  
 Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)  
 Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

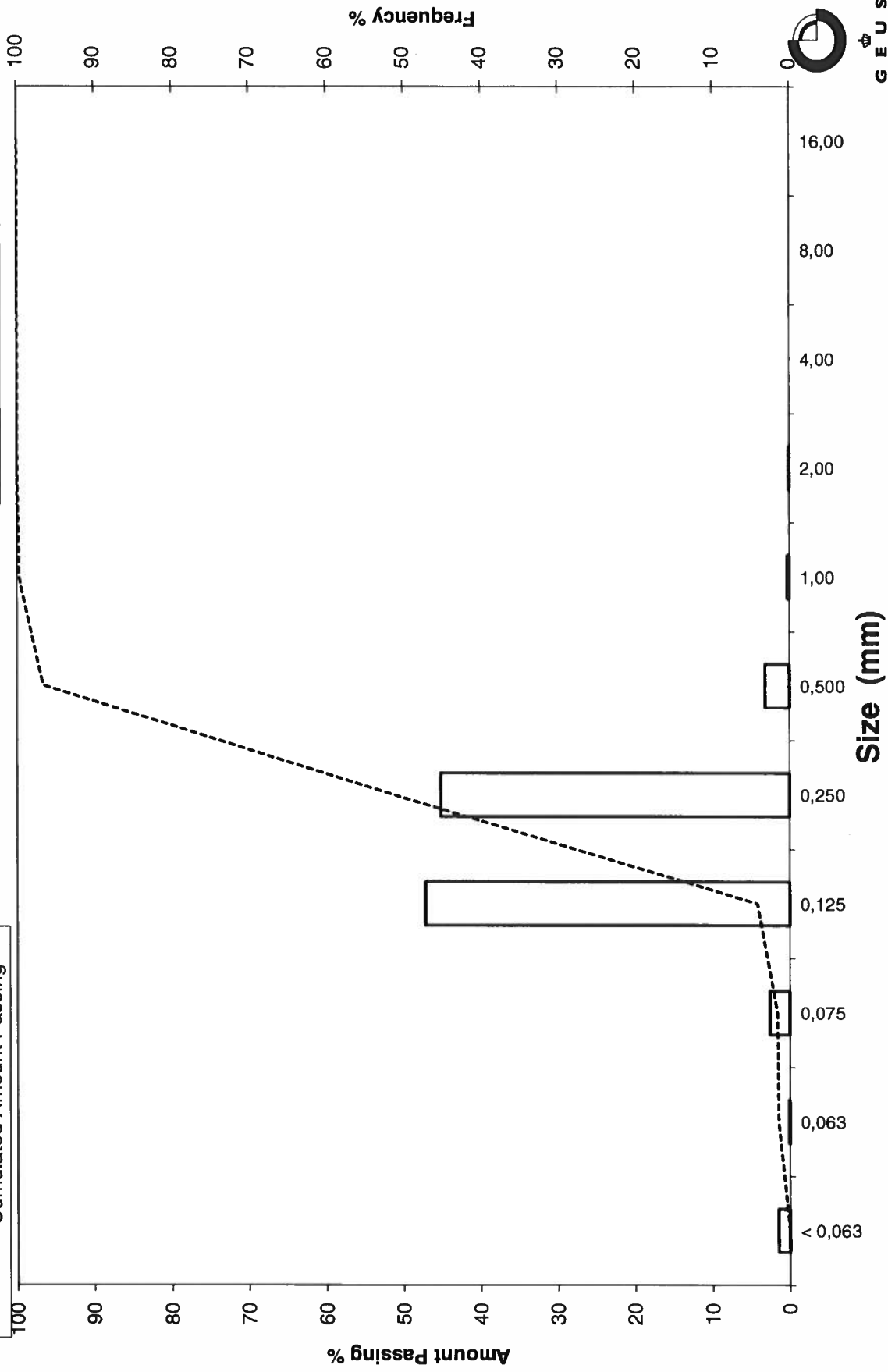
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: HRNE 25, 0-200

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** HRNE 25, 250-320  
**Lab. Id:** 200455  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >16mm heraf 60 g >32mm og  
 fraktion > 2mm heraf 35 g skaller



**Total Weight** 1169,26 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated<br>amount<br>passing |
|---------|--------|--------|--------|--------------------------------|
| mm      | Φ      | g      | %      | %                              |
| 16,00   | -4,00  | 214,67 | 18,36  | 81,64                          |
| 8,00    | -3,00  | 266,05 | 22,75  | 58,89                          |
| 4,00    | -2,00  | 73,66  | 6,30   | 52,59                          |
| 2,00    | -1,00  | 57,33  | 4,90   | 47,68                          |
| 1,00    | 0,00   | 34,23  | 2,93   | 44,76                          |
| 0,500   | 1,00   | 20,58  | 1,76   | 43,00                          |
| 0,250   | 2,00   | 205,28 | 17,56  | 25,44                          |
| 0,125   | 3,00   | 269,86 | 23,08  | 2,36                           |
| 0,075   | 3,74   | 17,27  | 1,48   | 0,88                           |
| 0,063   | 3,99   | 1,34   | 0,11   | 0,77                           |
| < 0,063 | > 3,99 | 8,99   | 0,77   | 0,00                           |

Gravel

Sand

Sieve Analysis

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,77     |
| Sand, fine (0,063 mm - 0,200 mm): | 24,67    |
| Sand, medium (0,2 mm - 0,6 mm):   | 18,39    |
| Sand, coarse (0,6 mm - 2 mm):     | 3,85     |
| Gravel (> 2 mm):                  | 52,32    |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | ----- | ----- |
| 16%             | 84%            | ----- | ----- |
| 25%             | 75%            | 13,67 | -3,77 |
| 40%             | 60%            | 8,39  | -3,07 |
| Median 50%      | 50%            | 2,38  | -1,25 |
| 75%             | 25%            | 0,18  | 2,48  |
| 84%             | 16%            | 0,16  | 2,67  |
| 90%             | 10%            | 0,14  | 2,80  |
| 95%             | 5%             | 0,13  | 2,93  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 0,71  |
| Sorting                | ----- |
| Skewness               | ----- |
| Kurtosis               | ----- |
| Uniformity Coefficient | 58,60 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles  
are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)  
 Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)  
 Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)  
 Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)  
 Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on  
"Amount in sieve". Uniformity coefficient is based on  
"Amount passing".

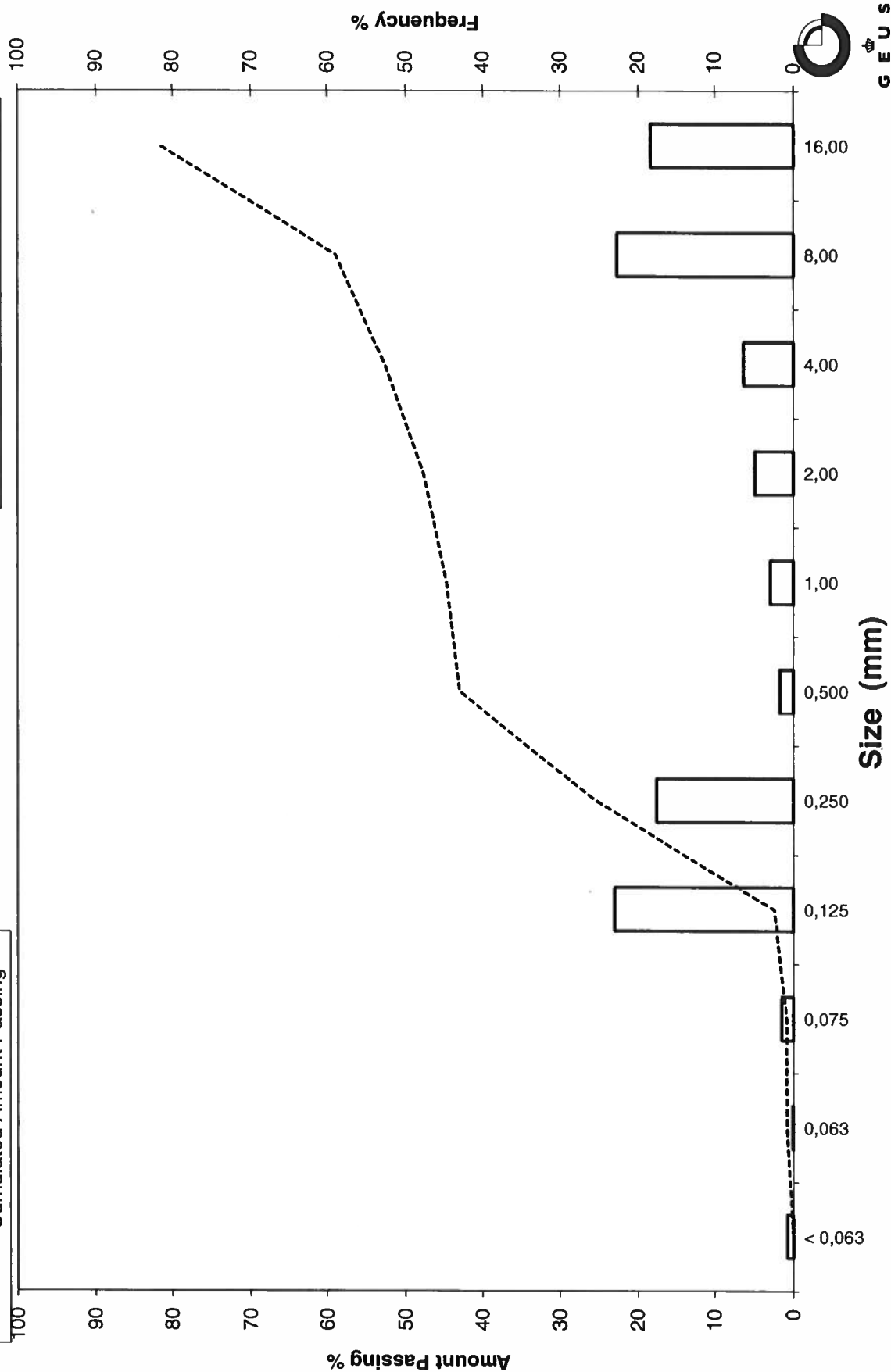
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# Grain Size Distribution

Sample Id: HRNE 25, 250-320

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** HRNE 34, 0-180  
**Lab. Id:** 200456  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >4mm heraf 1,7 g skaller



**Total Weight** 105,46 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 1,25   | 1,19   | 98,81                    |
| 4,00    | -2,00  | 0,49   | 0,46   | 98,35                    |
| 2,00    | -1,00  | 1,35   | 1,28   | 97,07                    |
| 1,00    | 0,00   | 6,01   | 5,70   | 91,37                    |
| 0,500   | 1,00   | 25,85  | 24,51  | 66,86                    |
| 0,250   | 2,00   | 29,33  | 27,81  | 39,05                    |
| 0,125   | 3,00   | 36,86  | 34,95  | 4,10                     |
| 0,075   | 3,74   | 3,44   | 3,26   | 0,83                     |
| 0,063   | 3,99   | 0,11   | 0,10   | 0,73                     |
| < 0,063 | > 3,99 | 0,77   | 0,73   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,73     |
| Sand, fine (0,063 mm - 0,200 mm): | 38,32    |
| Sand, medium (0,2 mm - 0,6 mm):   | 39,48    |
| Sand, coarse (0,6 mm - 2 mm):     | 18,54    |
| Gravel (> 2 mm):                  | 2,93     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 1,25  | -0,33 |
| 16%             | 84%            | 0,65  | 0,63  |
| 25%             | 75%            | 0,57  | 0,81  |
| 40%             | 60%            | 0,33  | 1,60  |
| Median 50%      | 50%            | 0,29  | 1,78  |
| 75%             | 25%            | 0,16  | 2,66  |
| 84%             | 16%            | 0,14  | 2,80  |
| 90%             | 10%            | 0,13  | 2,90  |
| 95%             | 5%             | 0,13  | 2,98  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 1,74  |
| Sorting                | 1,04  |
| Skewness               | -0,17 |
| Kurtosis               | 0,73  |
| Uniformity Coefficient | 2,45  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

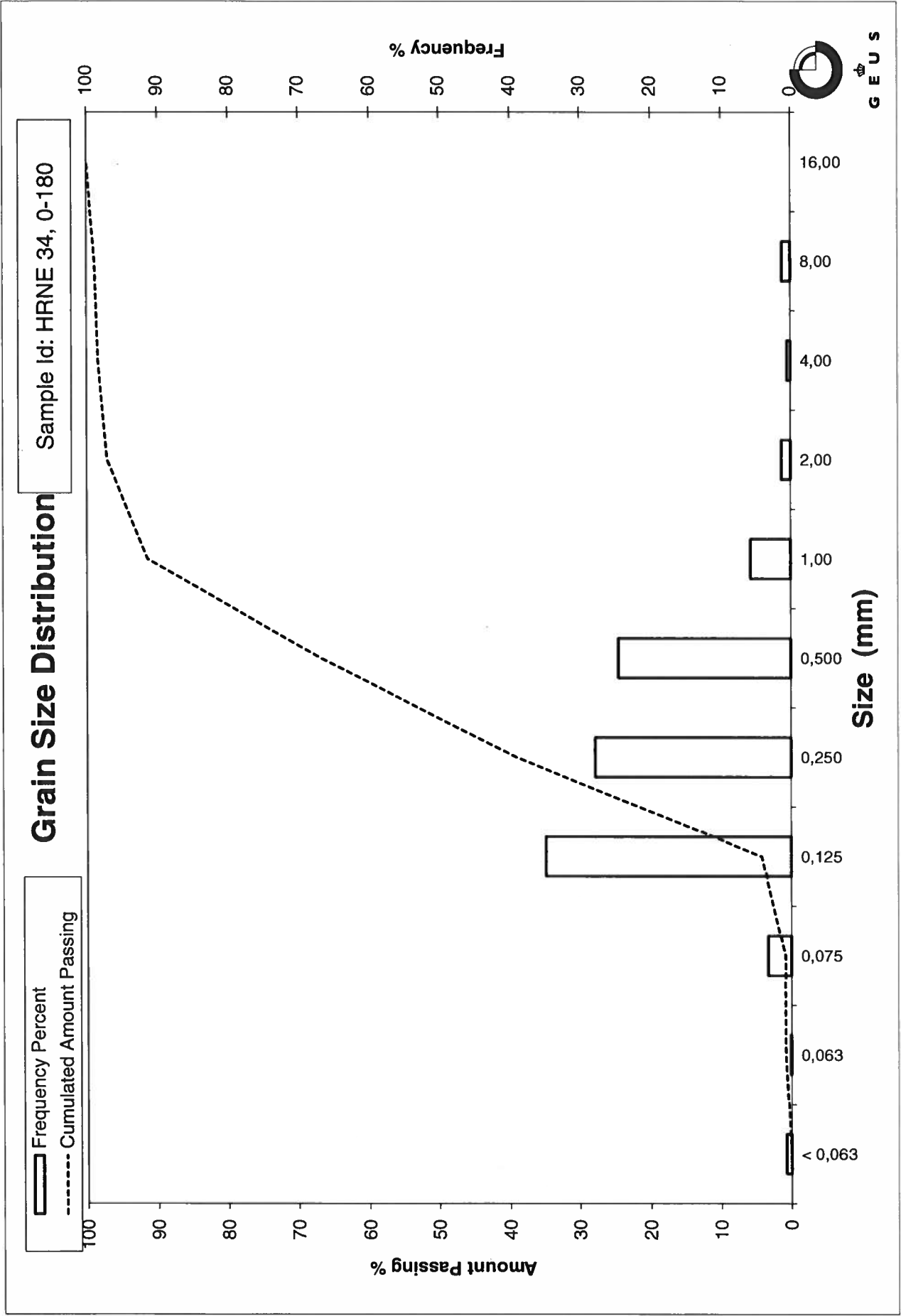
Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

## Geotechnical

**Sample Id:** HRNE 35, 0-300  
**Lab. Id:** 200457  
**Projekt:** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >2mm heraf 0,6 g skaller



**Total Weight** 98,96 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,05   | 0,05   | 99,95                    |
| 4,00    | -2,00  | 0,08   | 0,08   | 99,87                    |
| 2,00    | -1,00  | 0,47   | 0,47   | 99,39                    |
| 1,00    | 0,00   | 0,34   | 0,34   | 99,05                    |
| 0,500   | 1,00   | 1,05   | 1,06   | 97,99                    |
| 0,250   | 2,00   | 11,78  | 11,90  | 86,09                    |
| 0,125   | 3,00   | 68,91  | 69,63  | 16,45                    |
| 0,075   | 3,74   | 10,25  | 10,36  | 6,09                     |
| 0,063   | 3,99   | 0,87   | 0,88   | 5,21                     |
| < 0,063 | > 3,99 | 5,16   | 5,21   | 0,00                     |

Gravel

Sand

Sieve Analysis

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 5,21     |
| Sand, fine (0,063 mm - 0,200 mm): | 80,87    |
| Sand, medium (0,2 mm - 0,6 mm):   | 12,41    |
| Sand, coarse (0,6 mm - 2 mm):     | 0,90     |
| Gravel (> 2 mm):                  | 0,61     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 0,33  | 1,61  |
| 16%             | 84%            | 0,18  | 2,49  |
| 25%             | 75%            | 0,17  | 2,55  |
| 40%             | 60%            | 0,16  | 2,65  |
| Median 50%      | 50%            | 0,15  | 2,72  |
| 75%             | 25%            | 0,13  | 2,92  |
| 84%             | 16%            | 0,09  | 3,48  |
| 90%             | 10%            | 0,08  | 3,63  |
| 95%             | 5%             | ----- | ----- |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 2,90  |
| Sorting                | ----- |
| Skewness               | ----- |
| Kurtosis               | ----- |
| Uniformity Coefficient | 1,98  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

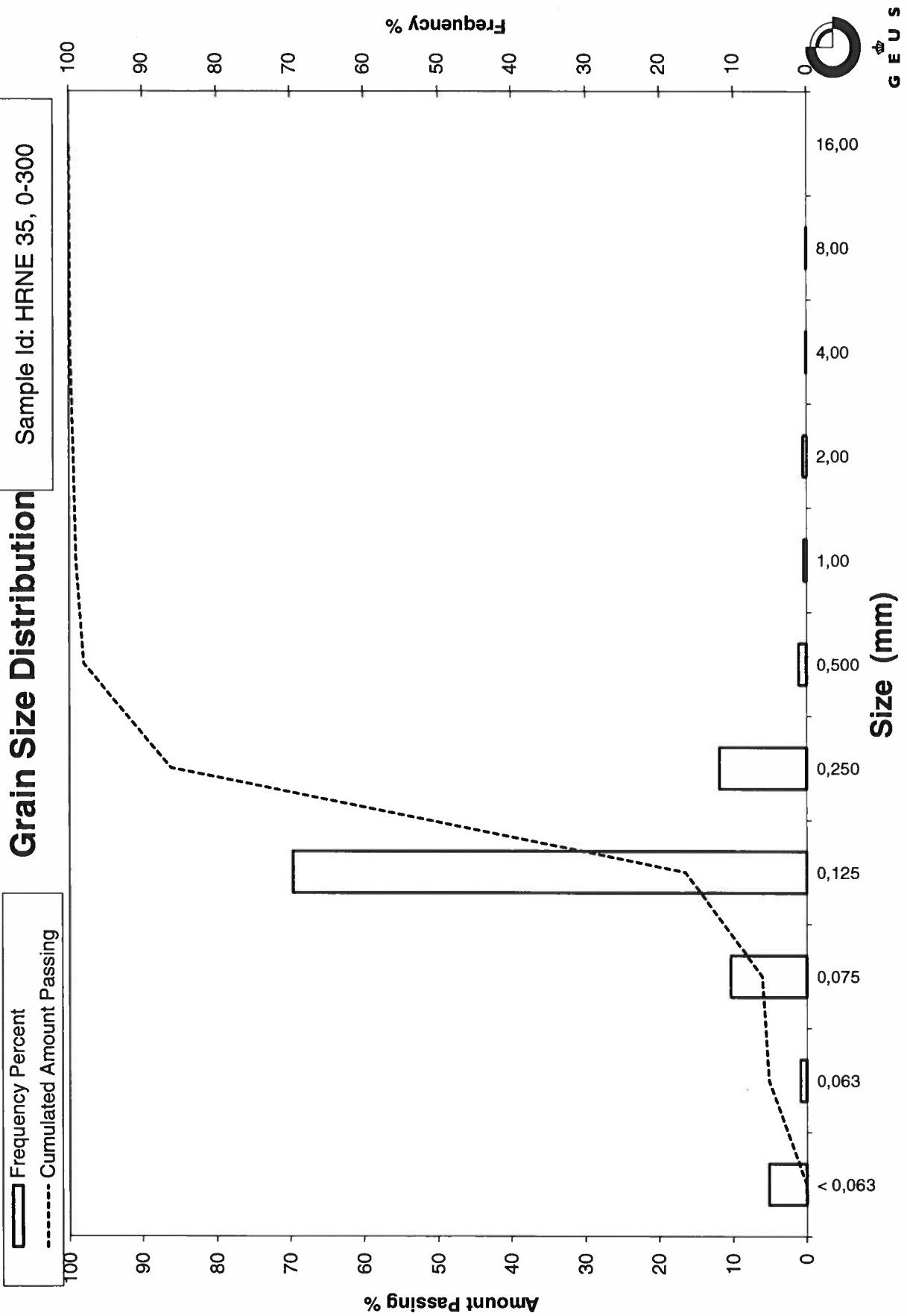
Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

## Geotechnical

**Sample Id:** HRNE 37, 0-130  
**Lab. Id:** 200458  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >1mm 0,4 g skaller



**Total Weight** 102,44 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount |
|---------|--------|--------|--------|------------------|
| mm      | Φ      | g      | %      | amount passing % |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00           |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00           |
| 4,00    | -2,00  | 0,01   | 0,01   | 99,99            |
| 2,00    | -1,00  | 0,07   | 0,07   | 99,92            |
| 1,00    | 0,00   | 0,32   | 0,31   | 99,61            |
| 0,500   | 1,00   | 3,80   | 3,71   | 95,90            |
| 0,250   | 2,00   | 66,45  | 64,87  | 31,03            |
| 0,125   | 3,00   | 28,04  | 27,37  | 3,66             |
| 0,075   | 3,74   | 1,92   | 1,87   | 1,79             |
| 0,063   | 3,99   | 0,13   | 0,13   | 1,66             |
| < 0,063 | > 3,99 | 1,70   | 1,66   | 0,00             |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 1,66     |
| Sand, fine (0,063 mm - 0,200 mm): | 29,37    |
| Sand, medium (0,2 mm - 0,6 mm):   | 66,63    |
| Sand, coarse (0,6 mm - 2 mm):     | 2,26     |
| Gravel (> 2 mm):                  | 0,08     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,35  | 1,50 |
| 16%             | 84%            | 0,34  | 1,57 |
| 25%             | 75%            | 0,32  | 1,64 |
| 40%             | 60%            | 0,30  | 1,75 |
| Median 50%      | 50%            | 0,28  | 1,83 |
| 75%             | 25%            | 0,17  | 2,57 |
| 84%             | 16%            | 0,15  | 2,74 |
| 90%             | 10%            | 0,14  | 2,86 |
| 95%             | 5%             | 0,13  | 2,97 |

### Moments Statistics

|                        |      |
|------------------------|------|
| Mean                   | 2,05 |
| Sorting                | 0,51 |
| Skewness               | 0,55 |
| Kurtosis               | 0,64 |
| Uniformity Coefficient | 2,16 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgt-Bulletin 1988)

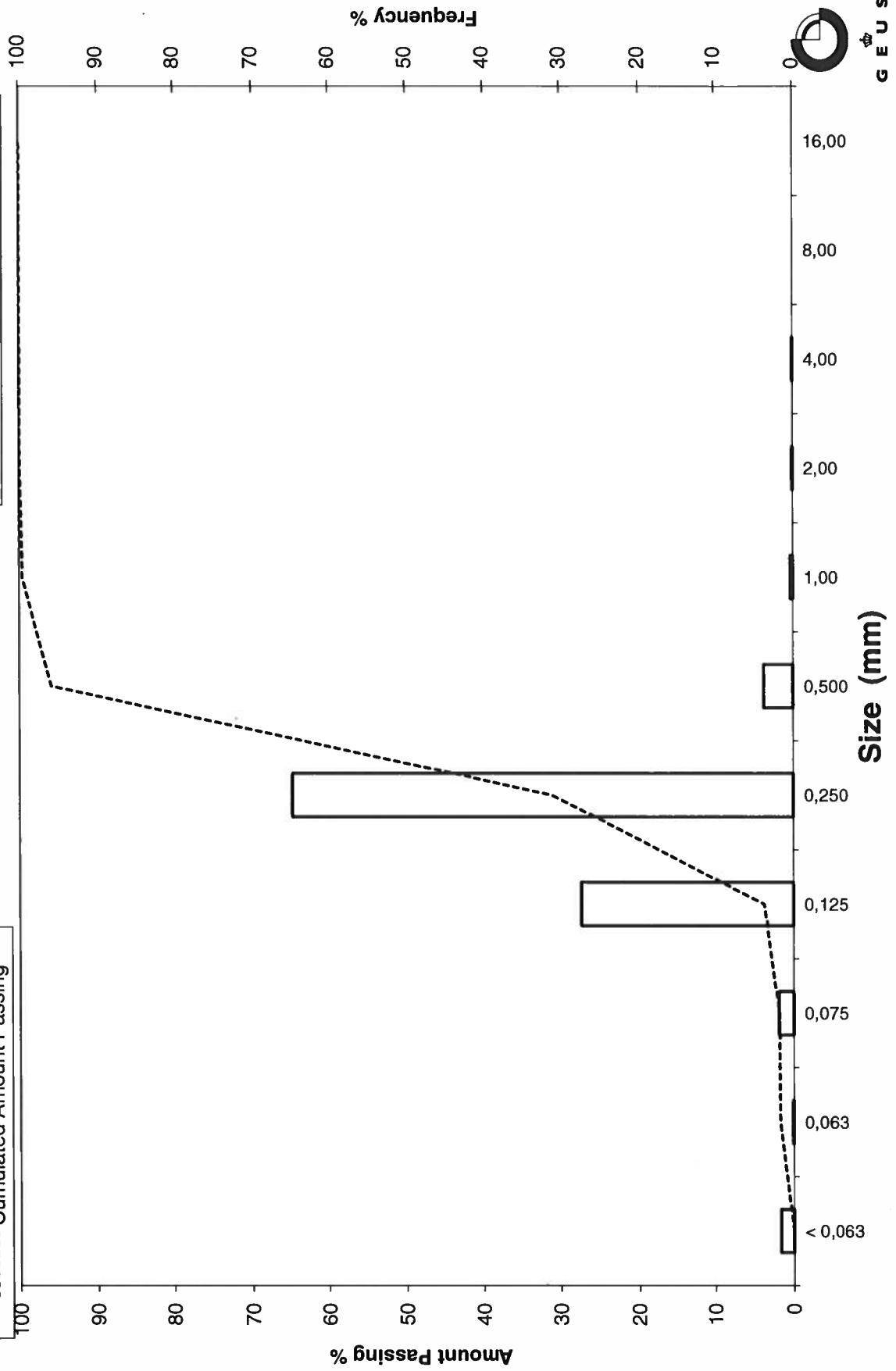
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: HRNE 37, 0-130

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** HRNE 39, 0-190  
**Lab. Id:** 200459  
**Projekt:** MST Råstøfkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >2mm består af skaller



**Total Weight** 100,03 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,00   | 0,00   | 100,00                   |
| 2,00    | -1,00  | 0,03   | 0,03   | 99,97                    |
| 1,00    | 0,00   | 0,14   | 0,14   | 99,83                    |
| 0,500   | 1,00   | 1,60   | 1,60   | 98,23                    |
| 0,250   | 2,00   | 42,98  | 42,97  | 55,26                    |
| 0,125   | 3,00   | 50,55  | 50,53  | 4,73                     |
| 0,075   | 3,74   | 2,39   | 2,39   | 2,34                     |
| 0,063   | 3,99   | 0,24   | 0,24   | 2,10                     |
| < 0,063 | > 3,99 | 2,10   | 2,10   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 2,10     |
| Sand, fine (0,063 mm - 0,200 mm): | 53,16    |
| Sand, medium (0,2 mm - 0,6 mm):   | 43,73    |
| Sand, coarse (0,6 mm - 2 mm):     | 0,98     |
| Gravel (> 2 mm):                  | 0,03     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,35  | 1,53 |
| 16%             | 84%            | 0,32  | 1,64 |
| 25%             | 75%            | 0,30  | 1,75 |
| 40%             | 60%            | 0,26  | 1,93 |
| Median 50%      | 50%            | 0,17  | 2,52 |
| 75%             | 25%            | 0,15  | 2,77 |
| 84%             | 16%            | 0,14  | 2,86 |
| 90%             | 10%            | 0,13  | 2,94 |
| 95%             | 5%             | 0,13  | 3,00 |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 2,34  |
| Sorting                | 0,53  |
| Skewness               | -0,39 |
| Kurtosis               | 0,59  |
| Uniformity Coefficient | 2,00  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean ( $\phi_{16\%} + \phi_{84\%} + \phi_{50\%}$ ) / 3 (Folk and Ward 1957)

Sorting ( $\phi_{84\%} - \phi_{16\%}$ ) / 4 + ( $\phi_{95\%} - \phi_{5\%}$ ) / 6,6 (Folk and Ward 1957)

Kurtosis ( $\phi_{95\%} - \phi_{5\%}$ ) / (2,44 \* ( $\phi_{75\%} - \phi_{25\%}$ )) (Folk and Ward 1957)

Skewness ( $\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}$ ) / (2 \* ( $\phi_{84\%} - \phi_{16\%}$ )) + ( $\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}$ ) / (2 \* ( $\phi_{95\%} - \phi_{5\%}$ )) (Folk and Ward 1957)

Uniformity Coefficient ( $d_{60\%} / d_{10\%}$ ) (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

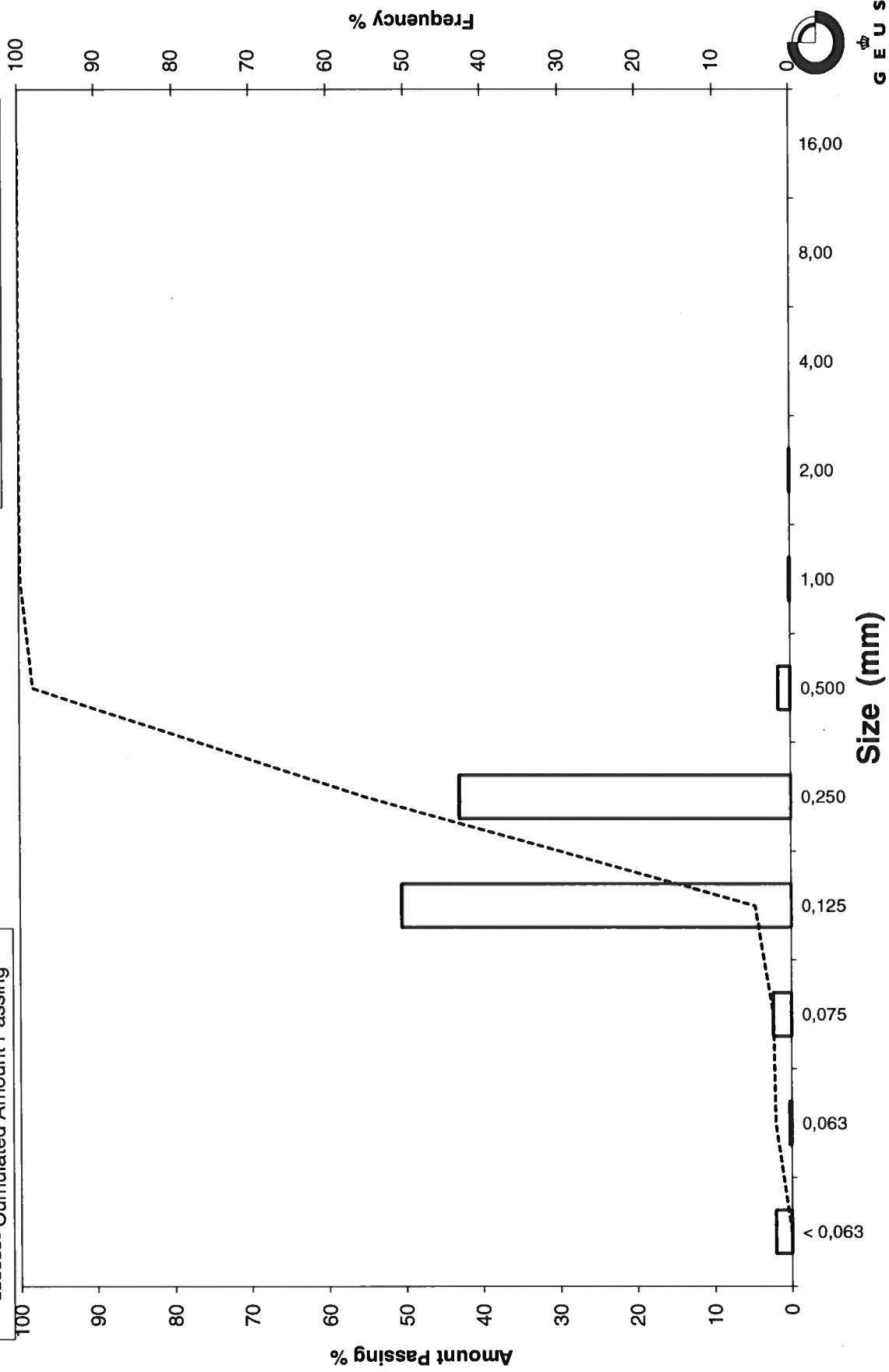
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# Grain Size Distribution

Sample Id: HRNE 39, 0-190

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** HRNE 40, 0-480  
**Lab. Id:** 200460  
**Projekt:** MST Råstøfkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >2mm består af skaller



**Total Weight** 102,59 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,04   | 0,04   | 99,96                    |
| 2,00    | -1,00  | 0,13   | 0,13   | 99,83                    |
| 1,00    | 0,00   | 0,20   | 0,19   | 99,64                    |
| 0,500   | 1,00   | 3,30   | 3,22   | 96,42                    |
| 0,250   | 2,00   | 47,21  | 46,02  | 50,40                    |
| 0,125   | 3,00   | 47,69  | 46,49  | 3,92                     |
| 0,075   | 3,74   | 2,26   | 2,20   | 1,72                     |
| 0,063   | 3,99   | 0,05   | 0,05   | 1,67                     |
| < 0,063 | > 3,99 | 1,71   | 1,67   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 1,67     |
| Sand, fine (0,063 mm - 0,200 mm): | 48,74    |
| Sand, medium (0,2 mm - 0,6 mm):   | 47,55    |
| Sand, coarse (0,6 mm - 2 mm):     | 1,88     |
| Gravel (> 2 mm):                  | 0,17     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,35  | 1,51 |
| 16%             | 84%            | 0,33  | 1,61 |
| 25%             | 75%            | 0,31  | 1,71 |
| 40%             | 60%            | 0,27  | 1,88 |
| Median 50%      | 50%            | 0,18  | 2,48 |
| 75%             | 25%            | 0,15  | 2,74 |
| 84%             | 16%            | 0,14  | 2,84 |
| 90%             | 10%            | 0,13  | 2,92 |
| 95%             | 5%             | 0,13  | 2,99 |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 2,31  |
| Sorting                | 0,53  |
| Skewness               | -0,36 |
| Kurtosis               | 0,59  |
| Uniformity Coefficient | 2,06  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

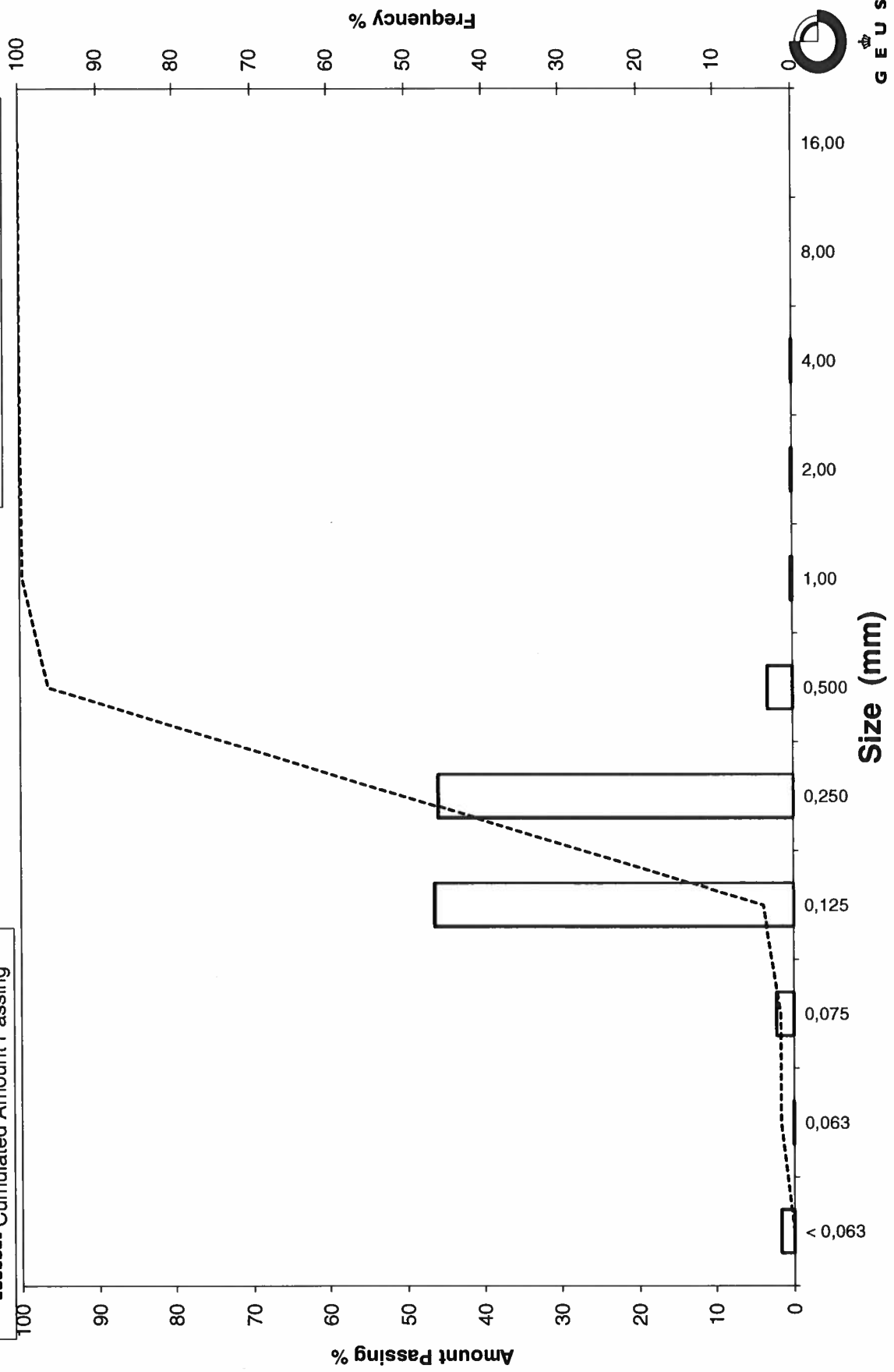
Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: HRNE 40, 0-480



# Grain Size Distribution

## Geotechnical

**Sample Id:** HRNE 42, 250-440  
**Lab. Id:** 200461  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 106,41 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated<br>amount<br>passing |
|---------|--------|--------|--------|--------------------------------|
| mm      | Φ      | g      | %      | %                              |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                         |
| 8,00    | -3,00  | 1,28   | 1,20   | 98,80                          |
| 4,00    | -2,00  | 1,79   | 1,68   | 97,11                          |
| 2,00    | -1,00  | 3,24   | 3,04   | 94,07                          |
| 1,00    | 0,00   | 17,37  | 16,32  | 77,75                          |
| 0,500   | 1,00   | 31,29  | 29,41  | 48,34                          |
| 0,250   | 2,00   | 18,61  | 17,49  | 30,85                          |
| 0,125   | 3,00   | 26,00  | 24,43  | 6,42                           |
| 0,075   | 3,74   | 3,81   | 3,58   | 2,84                           |
| 0,063   | 3,99   | 0,50   | 0,47   | 2,37                           |
| < 0,063 | > 3,99 | 2,52   | 2,37   | 0,00                           |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 2,37     |
| Sand, fine (0,063 mm - 0,200 mm): | 28,48    |
| Sand, medium (0,2 mm - 0,6 mm):   | 31,49    |
| Sand, coarse (0,6 mm - 2 mm):     | 31,73    |
| Gravel (> 2 mm):                  | 5,93     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 2,24  | -1,17 |
| 16%             | 84%            | 1,15  | -0,21 |
| 25%             | 75%            | 0,69  | 0,53  |
| 40%             | 60%            | 0,58  | 0,78  |
| Median 50%      | 50%            | 0,51  | 0,97  |
| 75%             | 25%            | 0,17  | 2,58  |
| 84%             | 16%            | 0,15  | 2,77  |
| 90%             | 10%            | 0,13  | 2,91  |
| 95%             | 5%             | 0,08  | 3,57  |

### Moments Statistics

|                        |      |
|------------------------|------|
| Mean                   | 1,18 |
| Sorting                | 1,46 |
| Skewness               | 0,16 |
| Kurtosis               | 0,95 |
| Uniformity Coefficient | 4,38 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles  
are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

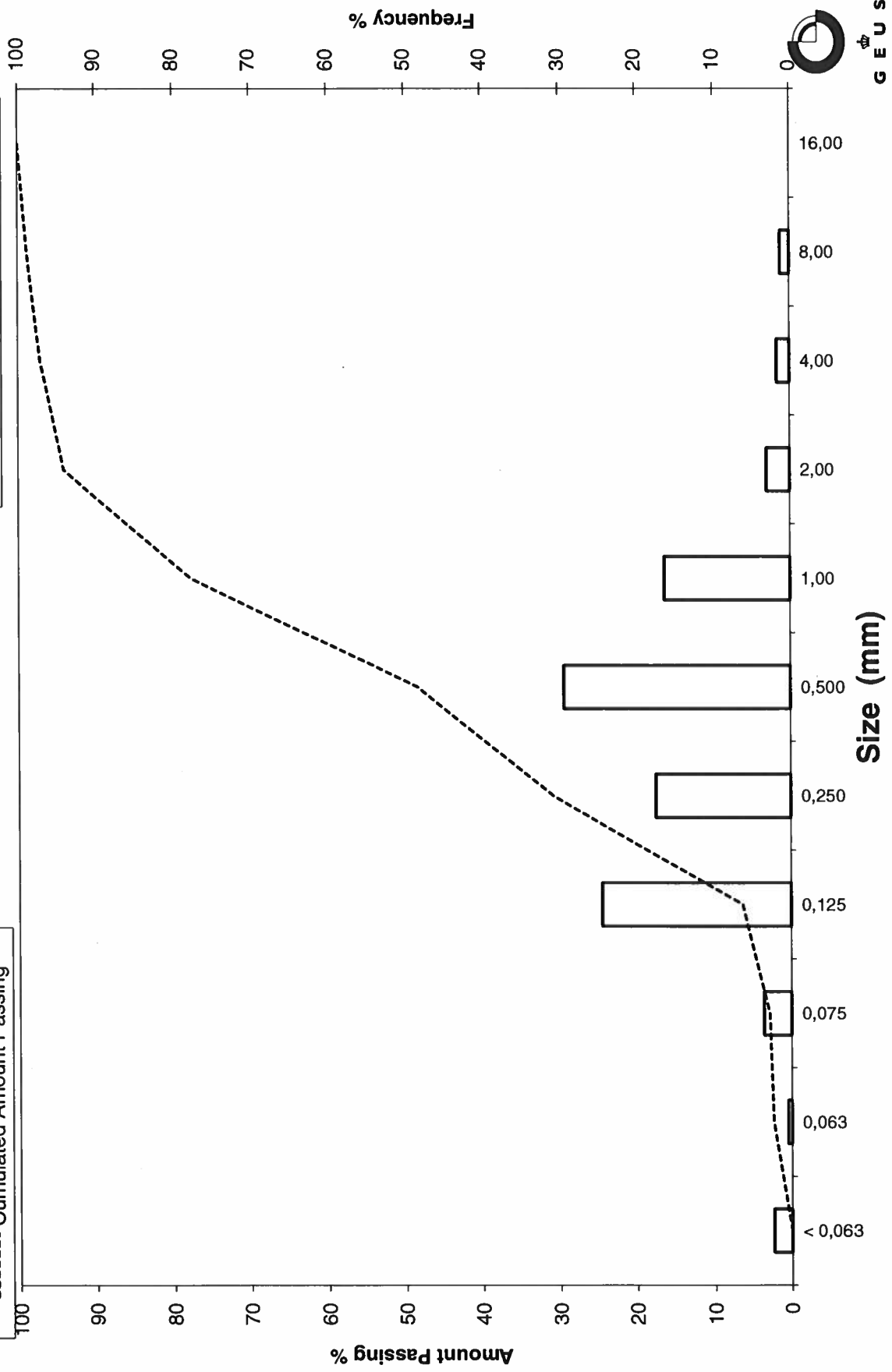
Mean, sorting, skewness and kurtosis are based on  
"Amount in sieve". Uniformity coefficient is based on  
"Amount passing".

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# Grain Size Distribution

Sample Id: HRNE 42, 250-440

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** JAM 01, 0-260  
**Lab. Id:** 200417  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 99,77 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated<br>amount<br>passing |
|---------|--------|--------|--------|--------------------------------|
| mm      | Φ      | g      | %      | %                              |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                         |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                         |
| 4,00    | -2,00  | 0,00   | 0,00   | 100,00                         |
| 2,00    | -1,00  | 0,47   | 0,47   | 99,53                          |
| 1,00    | 0,00   | 1,34   | 1,34   | 98,19                          |
| 0,500   | 1,00   | 12,59  | 12,62  | 85,57                          |
| 0,250   | 2,00   | 67,54  | 67,70  | 17,87                          |
| 0,125   | 3,00   | 16,81  | 16,85  | 1,02                           |
| 0,075   | 3,74   | 0,27   | 0,27   | 0,75                           |
| 0,063   | 3,99   | 0,02   | 0,02   | 0,73                           |
| < 0,063 | > 3,99 | 0,73   | 0,73   | 0,00                           |

Gravel

Sand

Sieve Analysis

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,73     |
| Sand, fine (0,063 mm - 0,200 mm): | 17,14    |
| Sand, medium (0,2 mm - 0,6 mm):   | 73,70    |
| Sand, coarse (0,6 mm - 2 mm):     | 7,95     |
| Gravel (> 2 mm):                  | 0,47     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,66  | 0,61 |
| 16%             | 84%            | 0,35  | 1,50 |
| 25%             | 75%            | 0,34  | 1,56 |
| 40%             | 60%            | 0,32  | 1,66 |
| Median 50%      | 50%            | 0,30  | 1,74 |
| 75%             | 25%            | 0,26  | 1,94 |
| 84%             | 16%            | 0,17  | 2,52 |
| 90%             | 10%            | 0,15  | 2,70 |
| 95%             | 5%             | 0,14  | 2,86 |

### Moments Statistics

|                        |      |
|------------------------|------|
| Mean                   | 1,92 |
| Sorting                | 0,60 |
| Skewness               | 0,27 |
| Kurtosis               | 2,46 |
| Uniformity Coefficient | 2,04 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles  
are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

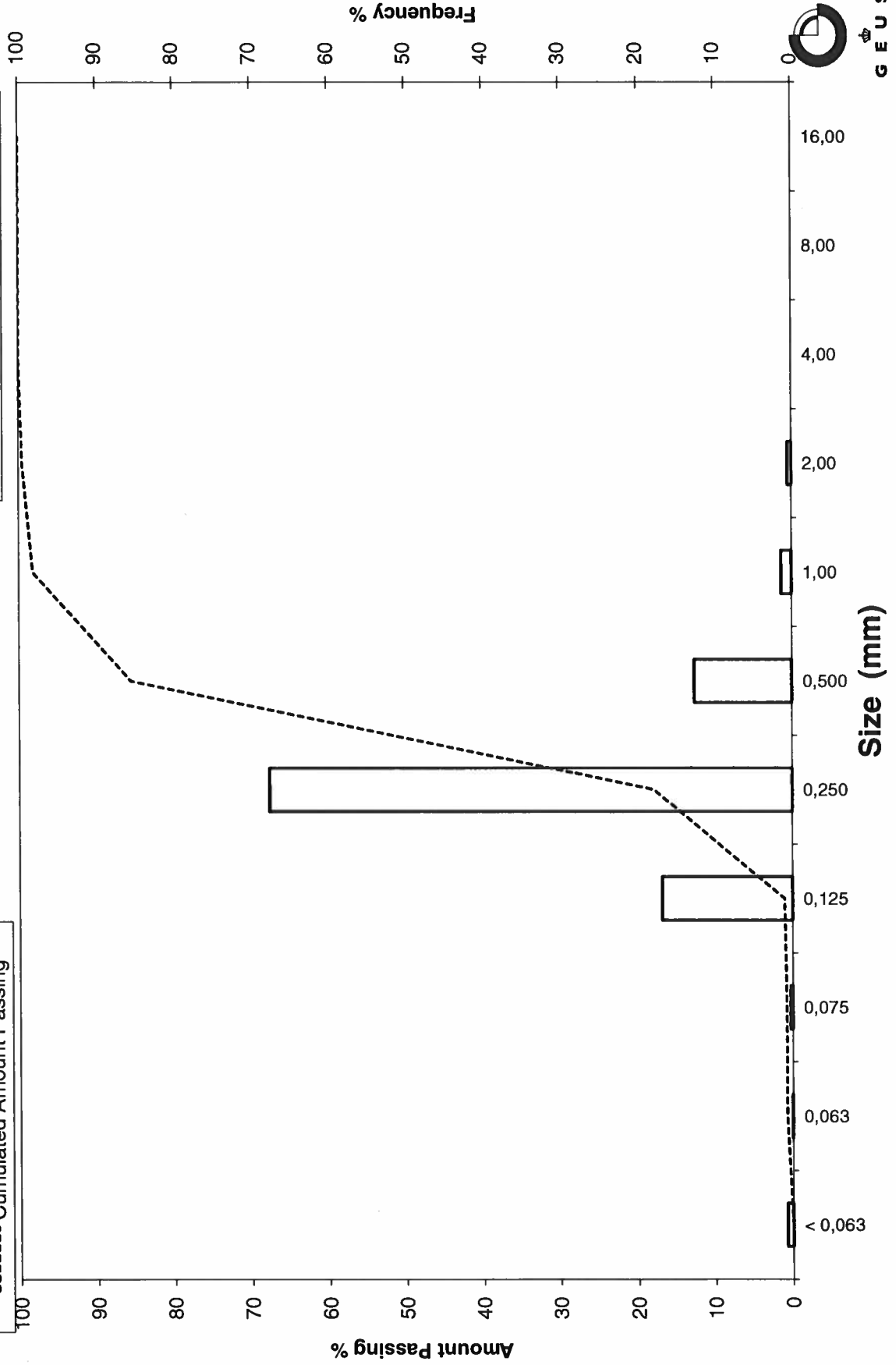
Mean, sorting, skewness and kurtosis are based on  
"Amount in sieve". Uniformity coefficient is based on  
"Amount passing".

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# Grain Size Distribution

Sample Id: JAM 01, 0-260

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** JAM 02, 20-280  
**Lab. Id:** 200418  
**Projekt:** MST Råstofkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >2mm heraf 0,3 g skaller



**Total Weight** 108,72 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated<br>amount<br>passing |
|---------|--------|--------|--------|--------------------------------|
| mm      | Φ      | g      | %      | %                              |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                         |
| 8,00    | -3,00  | 3,03   | 2,79   | 97,21                          |
| 4,00    | -2,00  | 0,49   | 0,45   | 96,76                          |
| 2,00    | -1,00  | 1,40   | 1,29   | 95,47                          |
| 1,00    | 0,00   | 3,17   | 2,92   | 92,56                          |
| 0,500   | 1,00   | 17,96  | 16,52  | 76,04                          |
| 0,250   | 2,00   | 62,29  | 57,29  | 18,75                          |
| 0,125   | 3,00   | 18,80  | 17,29  | 1,45                           |
| 0,075   | 3,74   | 0,62   | 0,57   | 0,88                           |
| 0,063   | 3,99   | 0,04   | 0,04   | 0,85                           |
| < 0,063 | > 3,99 | 0,92   | 0,85   | 0,00                           |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,85     |
| Sand, fine (0,063 mm - 0,200 mm): | 17,90    |
| Sand, medium (0,2 mm - 0,6 mm):   | 65,16    |
| Sand, coarse (0,6 mm - 2 mm):     | 11,57    |
| Gravel (> 2 mm):                  | 4,53     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 1,33  | -0,42 |
| 16%             | 84%            | 0,60  | 0,73  |
| 25%             | 75%            | 0,35  | 1,50  |
| 40%             | 60%            | 0,33  | 1,62  |
| Median 50%      | 50%            | 0,31  | 1,70  |
| 75%             | 25%            | 0,26  | 1,94  |
| 84%             | 16%            | 0,17  | 2,55  |
| 90%             | 10%            | 0,15  | 2,72  |
| 95%             | 5%             | 0,14  | 2,88  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 1,66  |
| Sorting                | 0,95  |
| Skewness               | -0,18 |
| Kurtosis               | 3,11  |
| Uniformity Coefficient | 2,14  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles  
are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on  
"Amount in sieve". Uniformity coefficient is based on  
"Amount passing".

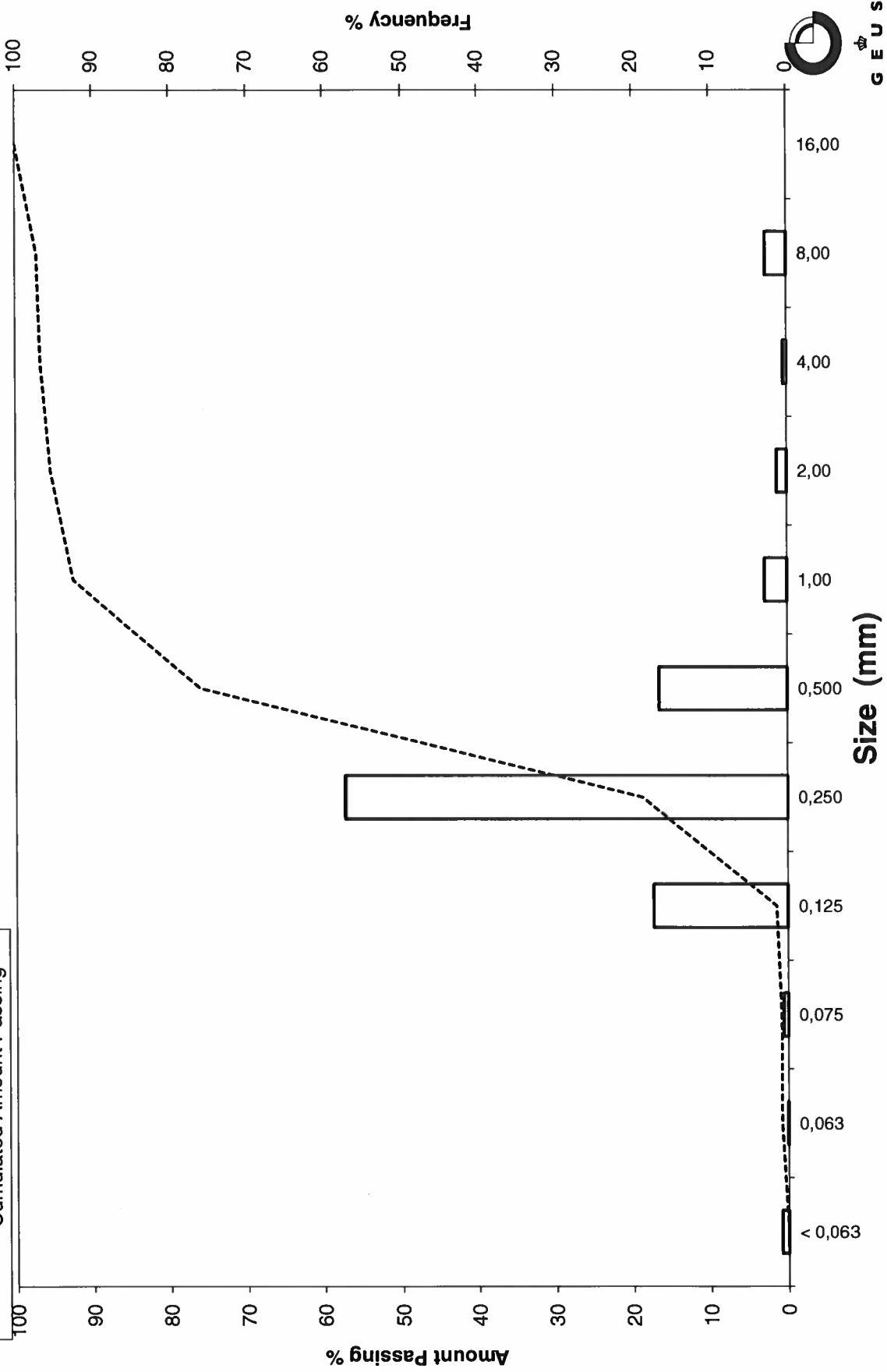
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# Grain Size Distribution

Sample Id: JAM 02, 20-280

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** JAM 03, 0-390  
**Lab. Id:** 200419  
**Projekt** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 102,64 g

### Size Fractions

| Sieve Analysis |         |        |        |        |                          |
|----------------|---------|--------|--------|--------|--------------------------|
|                | Size    | Size   | Weight | Weight | Cumulated amount passing |
|                | mm      | Φ      | g      | %      | %                        |
| Gravel         | 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
|                | 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
|                | 4,00    | -2,00  | 0,00   | 0,00   | 100,00                   |
| Sand           | 2,00    | -1,00  | 0,30   | 0,29   | 99,71                    |
|                | 1,00    | 0,00   | 1,14   | 1,11   | 98,60                    |
|                | 0,500   | 1,00   | 8,54   | 8,32   | 90,28                    |
|                | 0,250   | 2,00   | 57,78  | 56,29  | 33,98                    |
|                | 0,125   | 3,00   | 31,86  | 31,04  | 2,94                     |
|                | 0,075   | 3,74   | 1,65   | 1,61   | 1,33                     |
|                | 0,063   | 3,99   | 0,19   | 0,19   | 1,15                     |
|                | < 0,063 | > 3,99 | 1,18   | 1,15   | 0,00                     |

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 1,15     |
| Sand, fine (0,063 mm - 0,200 mm): | 32,83    |
| Sand, medium (0,2 mm - 0,6 mm):   | 60,26    |
| Sand, coarse (0,6 mm - 2 mm):     | 5,47     |
| Gravel (> 2 mm):                  | 0,29     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,62  | 0,69 |
| 16%             | 84%            | 0,34  | 1,54 |
| 25%             | 75%            | 0,33  | 1,61 |
| 40%             | 60%            | 0,30  | 1,74 |
| Median 50%      | 50%            | 0,28  | 1,84 |
| 75%             | 25%            | 0,16  | 2,61 |
| 84%             | 16%            | 0,15  | 2,75 |
| 90%             | 10%            | 0,14  | 2,86 |
| 95%             | 5%             | 0,13  | 2,96 |

### Moments Statistics

|                        |      |
|------------------------|------|
| Mean                   | 2,04 |
| Sorting                | 0,65 |
| Skewness               | 0,25 |
| Kurtosis               | 0,94 |
| Uniformity Coefficient | 2,17 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean ( $\phi_{16\%} + \phi_{84\%} + \phi_{50\%}$ ) / 3 (Folk and Ward 1957)

Sorting ( $\phi_{84\%} - \phi_{16\%}$ ) / 4 + ( $\phi_{95\%} - \phi_{5\%}$ ) / 6,6 (Folk and Ward 1957)

Kurtosis ( $\phi_{95\%} - \phi_{5\%}$ ) / (2,44 \* ( $\phi_{75\%} - \phi_{25\%}$ )) (Folk and Ward 1957)

Skewness ( $\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}$ ) / (2 \* ( $\phi_{84\%} - \phi_{16\%}$ )) + ( $\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}$ ) / (2 \* ( $\phi_{95\%} - \phi_{5\%}$ )) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgf-Bulletin 1988)

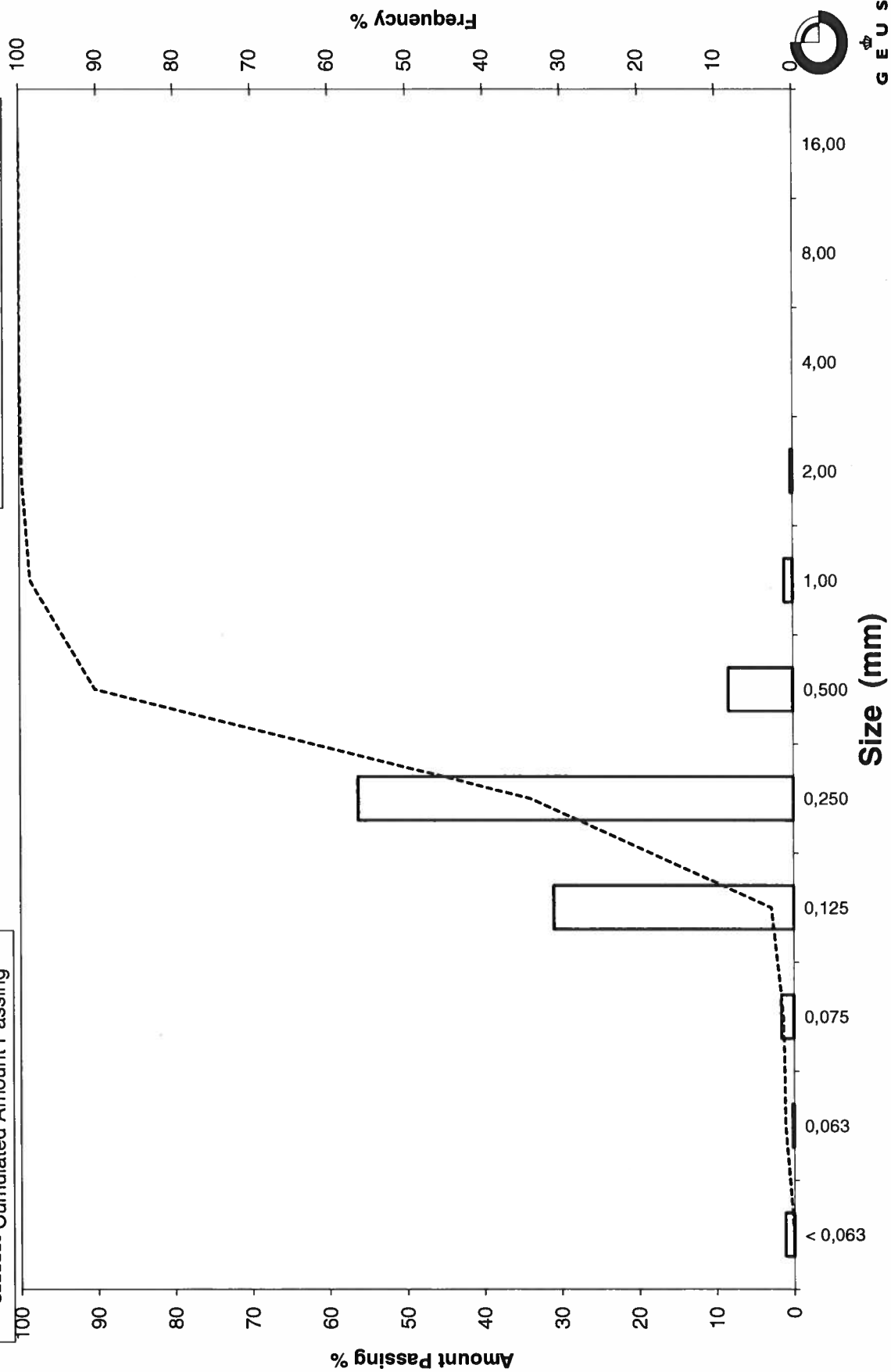
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: JAM 03, 0-390

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** JAM 05, 0-390  
**Lab. Id:** 200420  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >16mm en stor sten



**Total Weight** 110,76 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated<br>amount<br>passing |
|---------|--------|--------|--------|--------------------------------|
| mm      | Φ      | g      | %      | %                              |
| 16,00   | -4,00  | 6,18   | 5,58   | 94,42                          |
| 8,00    | -3,00  | 0,00   | 0,00   | 94,42                          |
| 4,00    | -2,00  | 0,00   | 0,00   | 94,42                          |
| 2,00    | -1,00  | 0,70   | 0,63   | 93,79                          |
| 1,00    | 0,00   | 2,45   | 2,21   | 91,58                          |
| 0,500   | 1,00   | 13,21  | 11,93  | 79,65                          |
| 0,250   | 2,00   | 70,39  | 63,55  | 16,10                          |
| 0,125   | 3,00   | 16,51  | 14,91  | 1,19                           |
| 0,075   | 3,74   | 0,46   | 0,42   | 0,78                           |
| 0,063   | 3,99   | 0,07   | 0,06   | 0,71                           |
| < 0,063 | > 3,99 | 0,79   | 0,71   | 0,00                           |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,71     |
| Sand, fine (0,063 mm - 0,200 mm): | 15,38    |
| Sand, medium (0,2 mm - 0,6 mm):   | 69,23    |
| Sand, coarse (0,6 mm - 2 mm):     | 8,46     |
| Gravel (> 2 mm):                  | 6,21     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | ----- | ----- |
| 16%             | 84%            | 0,58  | 0,79  |
| 25%             | 75%            | 0,35  | 1,53  |
| 40%             | 60%            | 0,32  | 1,63  |
| Median 50%      | 50%            | 0,31  | 1,71  |
| 75%             | 25%            | 0,26  | 1,92  |
| 84%             | 16%            | 0,18  | 2,48  |
| 90%             | 10%            | 0,16  | 2,67  |
| 95%             | 5%             | 0,14  | 2,85  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 1,66  |
| Sorting                | ----- |
| Skewness               | ----- |
| Kurtosis               | ----- |
| Uniformity Coefficient | 2,05  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles  
are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

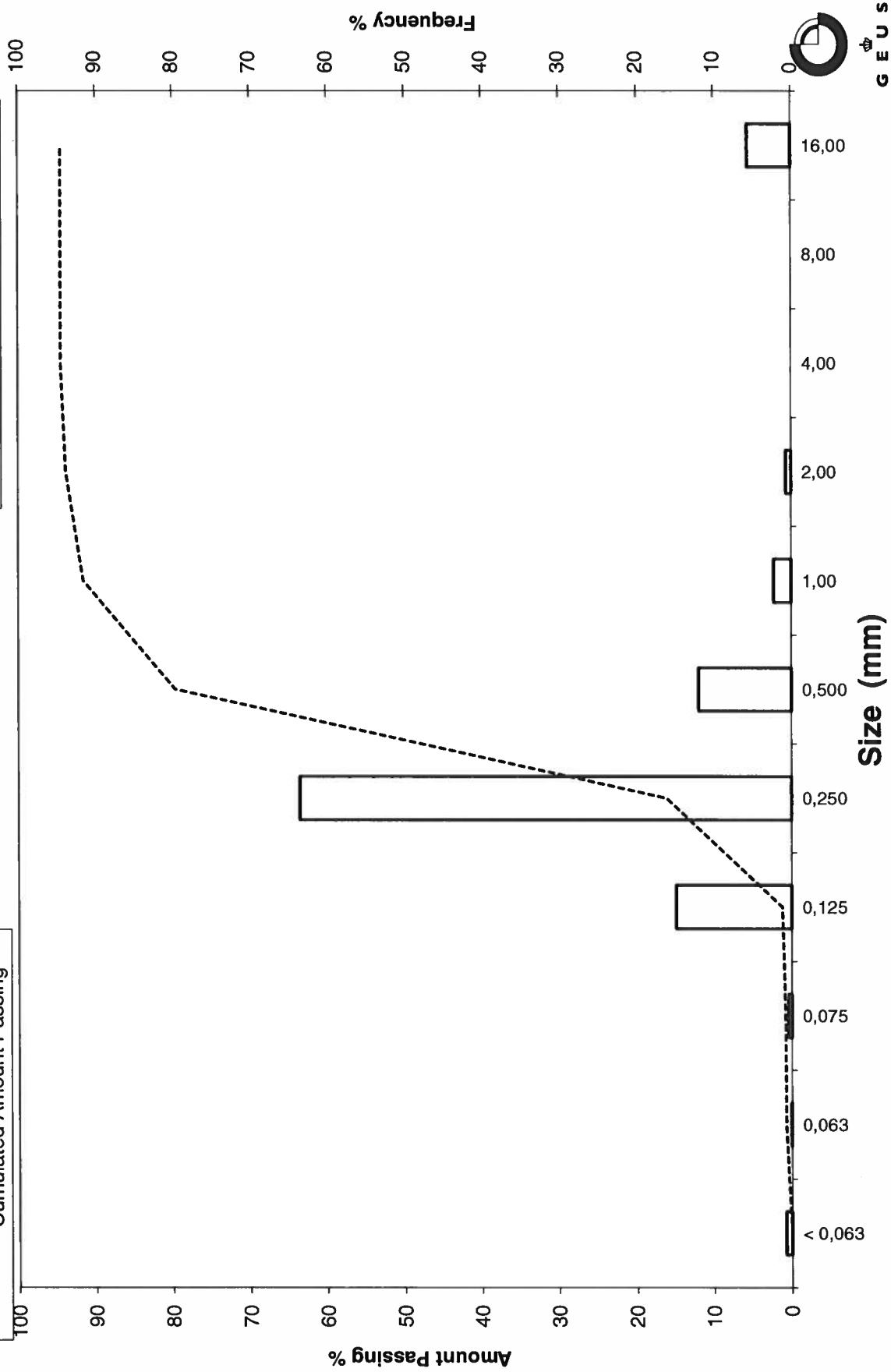
Mean, sorting, skewness and kurtosis are based on  
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# Grain Size Distribution

Sample Id: JAM 05, 0-390

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** JAM 11, 0-200  
**Lab. Id:** 200467  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** > 2mm består af skaller



**Total Weight** 104,35 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,16   | 0,15   | 99,85                    |
| 2,00    | -1,00  | 0,23   | 0,22   | 99,63                    |
| 1,00    | 0,00   | 0,40   | 0,38   | 99,24                    |
| 0,500   | 1,00   | 1,98   | 1,90   | 97,35                    |
| 0,250   | 2,00   | 19,39  | 18,58  | 78,76                    |
| 0,125   | 3,00   | 72,61  | 69,58  | 9,18                     |
| 0,075   | 3,74   | 8,40   | 8,05   | 1,13                     |
| 0,063   | 3,99   | 0,18   | 0,17   | 0,96                     |
| < 0,063 | > 3,99 | 1,00   | 0,96   | 0,00                     |

Gravel

Sand

Sieve Analysis

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,96     |
| Sand, fine (0,063 mm - 0,200 mm): | 77,81    |
| Sand, medium (0,2 mm - 0,6 mm):   | 19,49    |
| Sand, coarse (0,6 mm - 2 mm):     | 1,38     |
| Gravel (> 2 mm):                  | 0,37     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,34  | 1,55 |
| 16%             | 84%            | 0,28  | 1,84 |
| 25%             | 75%            | 0,18  | 2,50 |
| 40%             | 60%            | 0,17  | 2,60 |
| Median 50%      | 50%            | 0,16  | 2,67 |
| 75%             | 25%            | 0,14  | 2,86 |
| 84%             | 16%            | 0,13  | 2,94 |
| 90%             | 10%            | 0,13  | 2,99 |
| 95%             | 5%             | 0,08  | 3,60 |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 2,48  |
| Sorting                | 0,59  |
| Skewness               | -0,30 |
| Kurtosis               | 2,31  |
| Uniformity Coefficient | 1,31  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

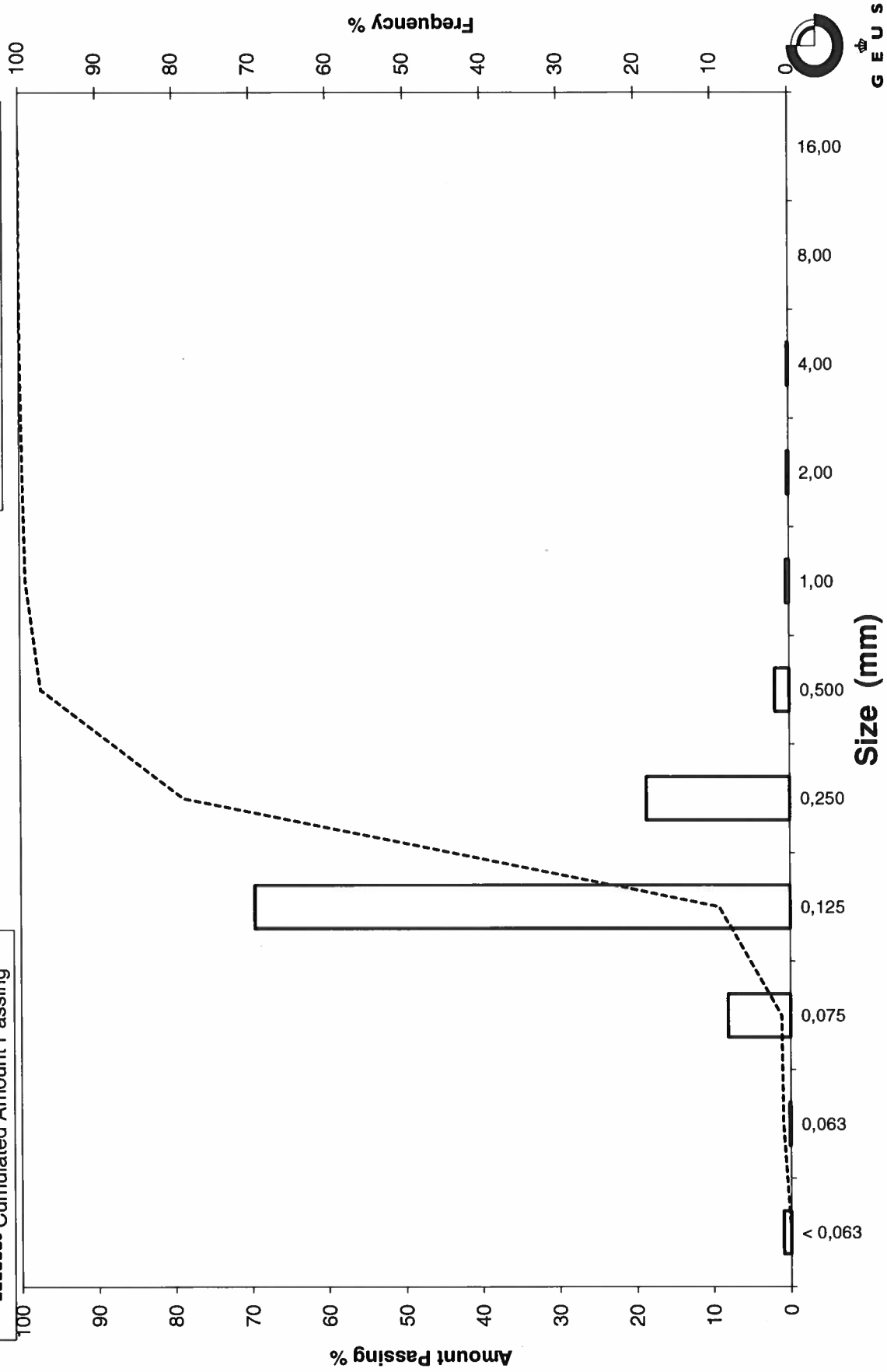
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: JAM 11, 0-200

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** JAM 12, 0-80  
**Lab. Id:** 200421  
**Projekt** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 100,36 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated<br>amount<br>passing |
|---------|--------|--------|--------|--------------------------------|
| mm      | Φ      | g      | %      | %                              |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                         |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                         |
| 4,00    | -2,00  | 0,63   | 0,63   | 99,37                          |
| 2,00    | -1,00  | 3,16   | 3,15   | 96,22                          |
| 1,00    | 0,00   | 9,26   | 9,23   | 87,00                          |
| 0,500   | 1,00   | 26,53  | 26,43  | 60,56                          |
| 0,250   | 2,00   | 53,91  | 53,72  | 6,85                           |
| 0,125   | 3,00   | 5,84   | 5,82   | 1,03                           |
| 0,075   | 3,74   | 0,42   | 0,42   | 0,61                           |
| 0,063   | 3,99   | 0,00   | 0,00   | 0,61                           |
| < 0,063 | > 3,99 | 0,61   | 0,61   | 0,00                           |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,61     |
| Sand, fine (0,063 mm - 0,200 mm): | 6,24     |
| Sand, medium (0,2 mm - 0,6 mm):   | 66,30    |
| Sand, coarse (0,6 mm - 2 mm):     | 23,07    |
| Gravel (> 2 mm):                  | 3,78     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 1,35  | -0,43 |
| 16%             | 84%            | 0,69  | 0,54  |
| 25%             | 75%            | 0,61  | 0,70  |
| 40%             | 60%            | 0,35  | 1,50  |
| Median 50%      | 50%            | 0,33  | 1,58  |
| 75%             | 25%            | 0,29  | 1,81  |
| 84%             | 16%            | 0,27  | 1,90  |
| 90%             | 10%            | 0,26  | 1,96  |
| 95%             | 5%             | 0,16  | 2,62  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 1,34  |
| Sorting                | 0,80  |
| Skewness               | -0,42 |
| Kurtosis               | 1,13  |
| Uniformity Coefficient | 1,38  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles  
are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

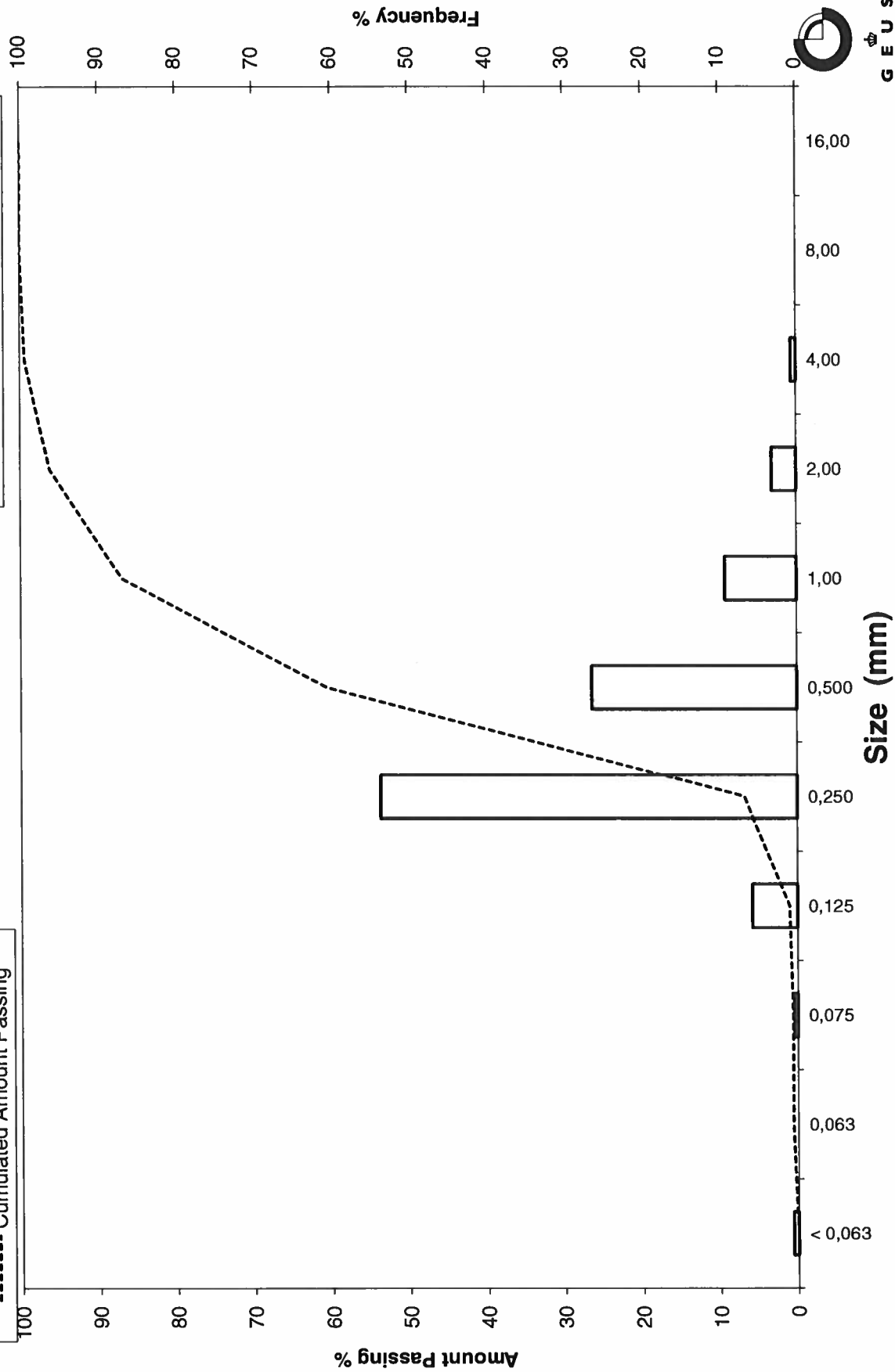
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# Grain Size Distribution

Sample Id: JAM 12, 0-80

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** JAM 12, 80-200  
**Lab. Id:** 200422  
**Projekt:** MST Råstøfkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** > 4mm heraf 1,3 g skaller



**Total Weight** 1460,41 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated<br>amount<br>passing |
|---------|--------|--------|--------|--------------------------------|
| mm      | Φ      | g      | %      | %                              |
| 16,00   | -4,00  | 422,42 | 28,92  | 71,08                          |
| 8,00    | -3,00  | 258,05 | 17,67  | 53,41                          |
| 4,00    | -2,00  | 132,62 | 9,08   | 44,32                          |
| 2,00    | -1,00  | 97,47  | 6,67   | 37,65                          |
| 1,00    | 0,00   | 94,04  | 6,44   | 31,21                          |
| 0,500   | 1,00   | 174,33 | 11,94  | 19,27                          |
| 0,250   | 2,00   | 200,10 | 13,70  | 5,57                           |
| 0,125   | 3,00   | 63,97  | 4,38   | 1,19                           |
| 0,075   | 3,74   | 12,73  | 0,87   | 0,32                           |
| 0,063   | 3,99   | 0,78   | 0,05   | 0,27                           |
| < 0,063 | > 3,99 | 3,91   | 0,27   | 0,00                           |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,27     |
| Sand, fine (0,063 mm - 0,200 mm): | 5,31     |
| Sand, medium (0,2 mm - 0,6 mm):   | 19,39    |
| Sand, coarse (0,6 mm - 2 mm):     | 12,69    |
| Gravel (> 2 mm):                  | 62,35    |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | ----- | ----- |
| 16%             | 84%            | ----- | ----- |
| 25%             | 75%            | ----- | ----- |
| 40%             | 60%            | 10,99 | -3,46 |
| Median 50%      | 50%            | 6,50  | -2,70 |
| 75%             | 25%            | 0,60  | 0,74  |
| 84%             | 16%            | 0,33  | 1,60  |
| 90%             | 10%            | 0,28  | 1,82  |
| 95%             | 5%             | 0,17  | 2,53  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | -0,55 |
| Sorting                | ----- |
| Skewness               | ----- |
| Kurtosis               | ----- |
| Uniformity Coefficient | 38,69 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles  
are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgg-Bulletin 1988)

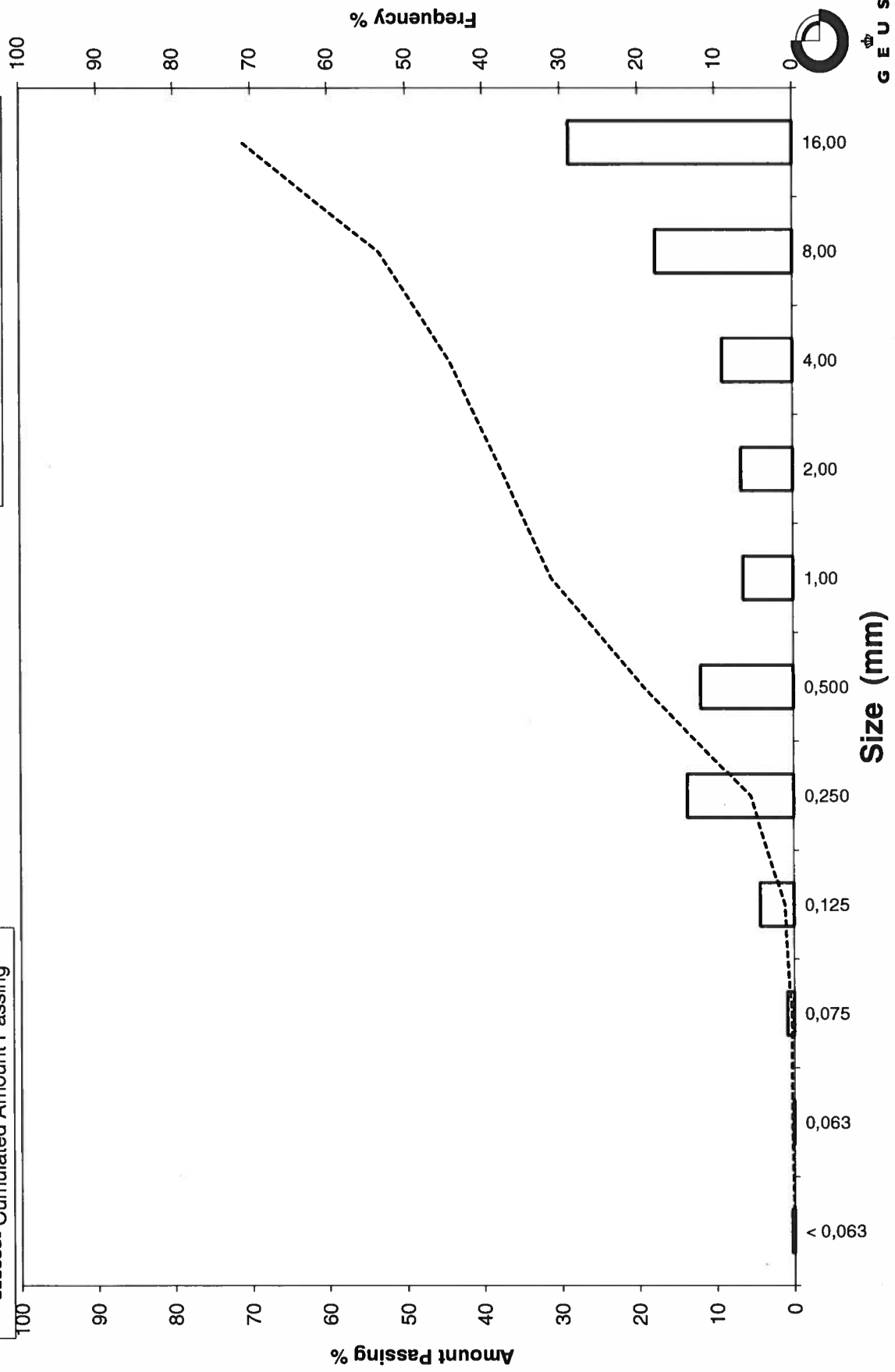
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: JAM 12, 80-200

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** JAM 13, 0-500  
**Lab. Id:** 200423  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 99,29 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated<br>amount<br>passing |
|---------|--------|--------|--------|--------------------------------|
| mm      | Φ      | g      | %      | %                              |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                         |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                         |
| 4,00    | -2,00  | 0,00   | 0,00   | 100,00                         |
| 2,00    | -1,00  | 0,04   | 0,04   | 99,96                          |
| 1,00    | 0,00   | 0,19   | 0,19   | 99,77                          |
| 0,500   | 1,00   | 0,93   | 0,94   | 98,83                          |
| 0,250   | 2,00   | 7,80   | 7,86   | 90,98                          |
| 0,125   | 3,00   | 37,46  | 37,73  | 53,25                          |
| 0,075   | 3,74   | 38,52  | 38,80  | 14,45                          |
| 0,063   | 3,99   | 5,01   | 5,05   | 9,41                           |
| < 0,063 | > 3,99 | 9,34   | 9,41   | 0,00                           |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 9,41     |
| Sand, fine (0,063 mm - 0,200 mm): | 81,57    |
| Sand, medium (0,2 mm - 0,6 mm):   | 8,30     |
| Sand, coarse (0,6 mm - 2 mm):     | 0,68     |
| Gravel (> 2 mm):                  | 0,04     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 0,30  | 1,72  |
| 16%             | 84%            | 0,17  | 2,56  |
| 25%             | 75%            | 0,16  | 2,67  |
| 40%             | 60%            | 0,13  | 2,89  |
| Median 50%      | 50%            | 0,09  | 3,49  |
| 75%             | 25%            | 0,08  | 3,66  |
| 84%             | 16%            | 0,08  | 3,73  |
| 90%             | 10%            | 0,06  | 3,96  |
| 95%             | 5%             | ----- | ----- |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 3,26  |
| Sorting                | ----- |
| Skewness               | ----- |
| Kurtosis               | ----- |
| Uniformity Coefficient | 2,09  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles  
are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

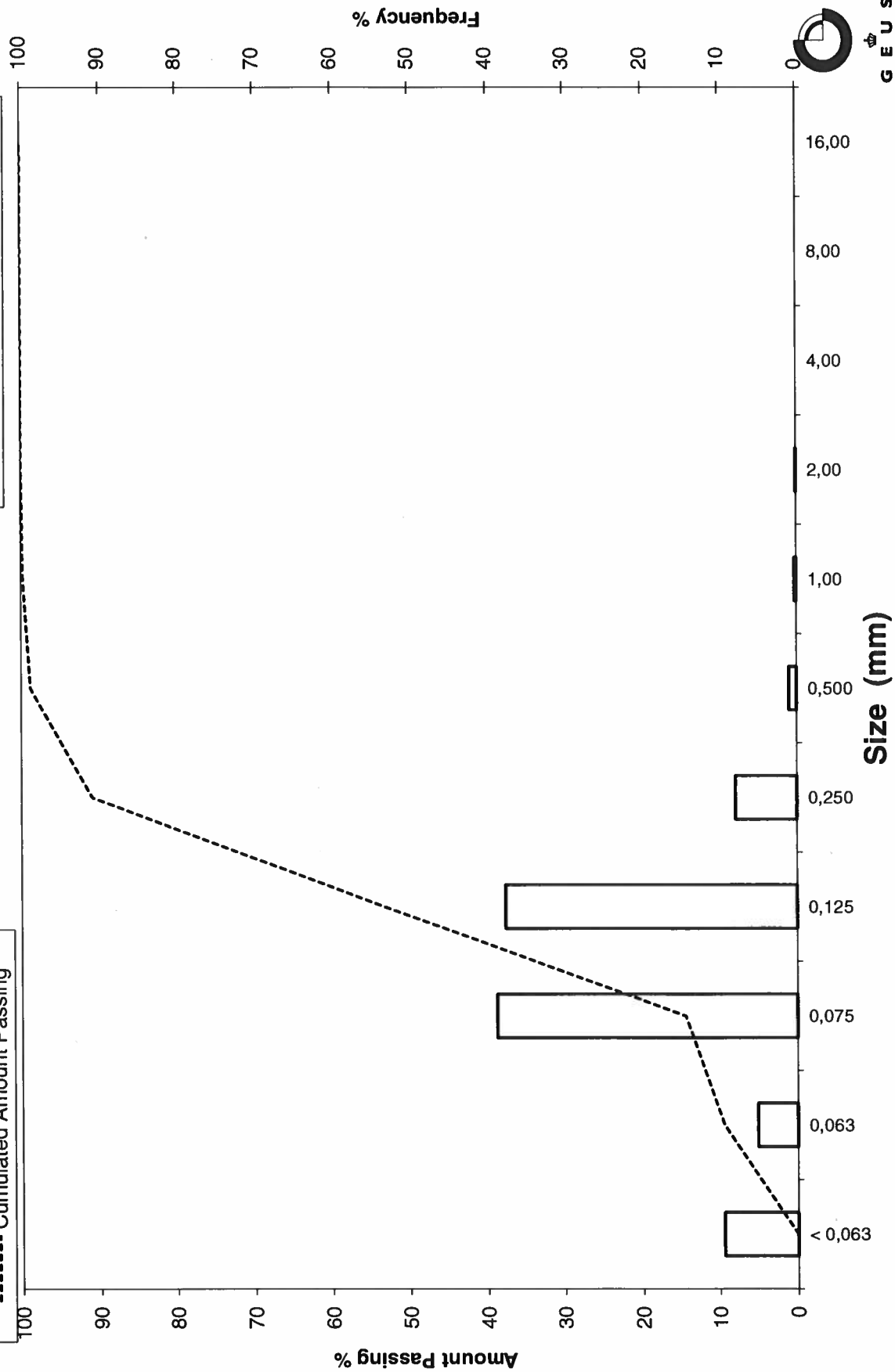
Mean, sorting, skewness and kurtosis are based on  
"Amount in sieve". Uniformity coefficient is based on  
"Amount passing".

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# Grain Size Distribution

Sample Id: JAM 13, 0-500

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** JAM 19, 0-122  
**Lab. Id:** 200468  
**Projekt:** MST Råstøfkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 96,32 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated<br>amount<br>passing |
|---------|--------|--------|--------|--------------------------------|
| mm      | Φ      | g      | %      | %                              |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                         |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                         |
| 4,00    | -2,00  | 0,00   | 0,00   | 100,00                         |
| 2,00    | -1,00  | 0,00   | 0,00   | 100,00                         |
| 1,00    | 0,00   | 0,06   | 0,06   | 99,94                          |
| 0,500   | 1,00   | 0,39   | 0,40   | 99,53                          |
| 0,250   | 2,00   | 7,80   | 8,10   | 91,43                          |
| 0,125   | 3,00   | 79,76  | 82,81  | 8,63                           |
| 0,075   | 3,74   | 7,43   | 7,71   | 0,91                           |
| 0,063   | 3,99   | 0,11   | 0,11   | 0,80                           |
| < 0,063 | > 3,99 | 0,77   | 0,80   | 0,00                           |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,80     |
| Sand, fine (0,063 mm - 0,200 mm): | 90,64    |
| Sand, medium (0,2 mm - 0,6 mm):   | 8,29     |
| Sand, coarse (0,6 mm - 2 mm):     | 0,27     |
| Gravel (> 2 mm):                  | 0,00     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,30  | 1,76 |
| 16%             | 84%            | 0,18  | 2,51 |
| 25%             | 75%            | 0,17  | 2,56 |
| 40%             | 60%            | 0,16  | 2,65 |
| Median 50%      | 50%            | 0,15  | 2,71 |
| 75%             | 25%            | 0,14  | 2,88 |
| 84%             | 16%            | 0,13  | 2,94 |
| 90%             | 10%            | 0,13  | 2,99 |
| 95%             | 5%             | 0,08  | 3,59 |

### Moments Statistics

|                        |      |
|------------------------|------|
| Mean                   | 2,72 |
| Sorting                | 0,39 |
| Skewness               | 0,02 |
| Kurtosis               | 2,39 |
| Uniformity Coefficient | 1,26 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles  
are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgt-Bulletin 1988)

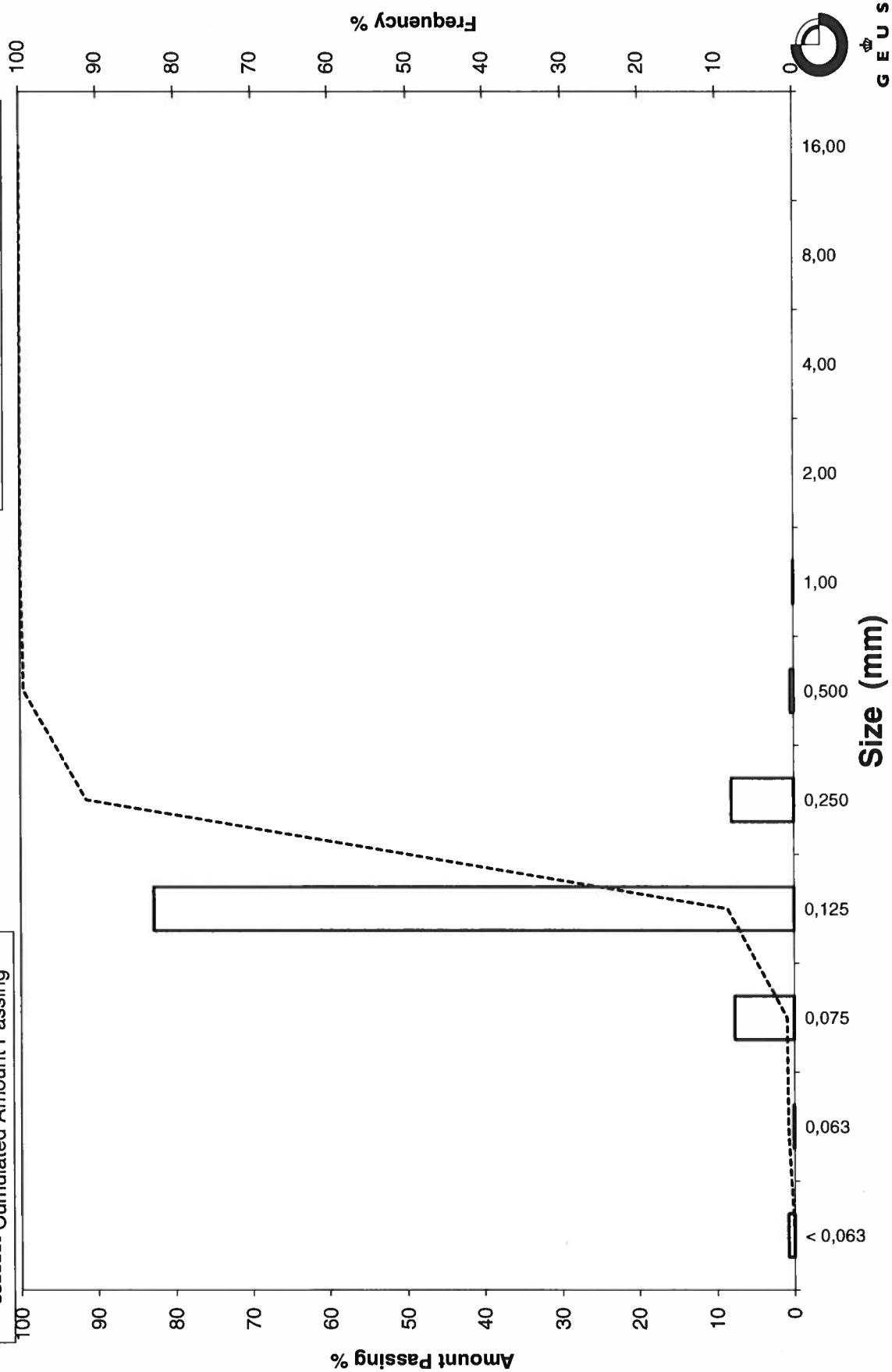
Mean, sorting, skewness and kurtosis are based on  
"Amount in sieve". Uniformity coefficient is based on  
"Amount passing".

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# Grain Size Distribution

Sample Id: JAM 19, 0-122

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** JAM 20, 0-300  
**Lab. Id:** 200424  
**Projekt** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 105,35 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,15   | 0,14   | 99,86                    |
| 2,00    | -1,00  | 0,36   | 0,34   | 99,52                    |
| 1,00    | 0,00   | 0,94   | 0,89   | 98,62                    |
| 0,500   | 1,00   | 3,10   | 2,94   | 95,68                    |
| 0,250   | 2,00   | 14,66  | 13,92  | 81,77                    |
| 0,125   | 3,00   | 70,15  | 66,59  | 15,18                    |
| 0,075   | 3,74   | 12,42  | 11,79  | 3,39                     |
| 0,063   | 3,99   | 0,31   | 0,29   | 3,09                     |
| < 0,063 | > 3,99 | 3,26   | 3,09   | 0,00                     |

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 3,09     |
| Sand, fine (0,063 mm - 0,200 mm): | 78,67    |
| Sand, medium (0,2 mm - 0,6 mm):   | 15,32    |
| Sand, coarse (0,6 mm - 2 mm):     | 2,43     |
| Gravel (> 2 mm):                  | 0,48     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,35  | 1,52 |
| 16%             | 84%            | 0,27  | 1,91 |
| 25%             | 75%            | 0,17  | 2,52 |
| 40%             | 60%            | 0,16  | 2,63 |
| Median 50%      | 50%            | 0,15  | 2,70 |
| 75%             | 25%            | 0,13  | 2,91 |
| 84%             | 16%            | 0,13  | 2,99 |
| 90%             | 10%            | 0,08  | 3,58 |
| 95%             | 5%             | 0,08  | 3,70 |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 2,53  |
| Sorting                | 0,60  |
| Skewness               | -0,28 |
| Kurtosis               | 2,29  |
| Uniformity Coefficient | 1,94  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

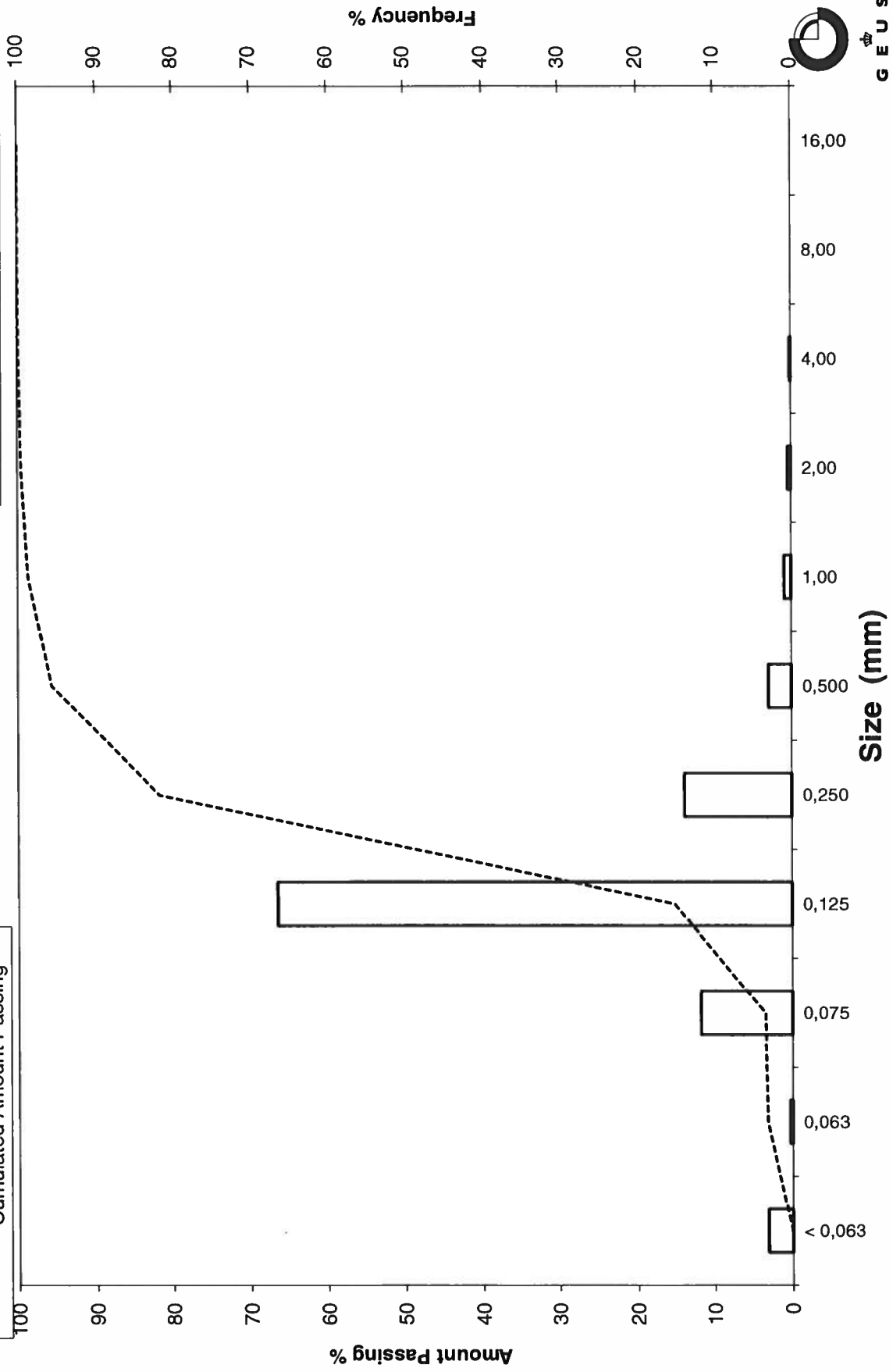
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# Grain Size Distribution

Sample Id: JAM 20, 0-300

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** JAM 21, 0-200  
**Lab. Id:** 200425  
**Projekt** MST Råstøfkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 99,86 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,00   | 0,00   | 100,00                   |
| 2,00    | -1,00  | 0,06   | 0,06   | 99,94                    |
| 1,00    | 0,00   | 0,33   | 0,33   | 99,61                    |
| 0,500   | 1,00   | 4,33   | 4,34   | 95,27                    |
| 0,250   | 2,00   | 27,87  | 27,91  | 67,36                    |
| 0,125   | 3,00   | 55,23  | 55,31  | 12,06                    |
| 0,075   | 3,74   | 10,30  | 10,31  | 1,74                     |
| 0,063   | 3,99   | 0,25   | 0,25   | 1,49                     |
| < 0,063 | > 3,99 | 1,49   | 1,49   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 1,49     |
| Sand, fine (0,063 mm - 0,200 mm): | 65,87    |
| Sand, medium (0,2 mm - 0,6 mm):   | 29,97    |
| Sand, coarse (0,6 mm - 2 mm):     | 2,60     |
| Gravel (> 2 mm):                  | 0,06     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,35  | 1,50 |
| 16%             | 84%            | 0,31  | 1,68 |
| 25%             | 75%            | 0,28  | 1,84 |
| 40%             | 60%            | 0,17  | 2,53 |
| Median 50%      | 50%            | 0,16  | 2,62 |
| 75%             | 25%            | 0,14  | 2,86 |
| 84%             | 16%            | 0,13  | 2,96 |
| 90%             | 10%            | 0,09  | 3,52 |
| 95%             | 5%             | 0,08  | 3,65 |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 2,42  |
| Sorting                | 0,65  |
| Skewness               | -0,26 |
| Kurtosis               | 0,87  |
| Uniformity Coefficient | 1,98  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean ( $\phi_{16\%} + \phi_{84\%} + \phi_{50\%}$ ) / 3 (Folk and Ward 1957)

Sorting ( $\phi_{84\%} - \phi_{16\%}$ ) / 4 + ( $\phi_{95\%} - \phi_{5\%}$ ) / 6,6 (Folk and Ward 1957)

Kurtosis ( $\phi_{95\%} - \phi_{5\%}$ ) / (2,44 \* ( $\phi_{75\%} - \phi_{25\%}$ )) (Folk and Ward 1957)

Skewness ( $\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}$ ) / (2 \* ( $\phi_{84\%} - \phi_{16\%}$ )) + ( $\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}$ ) / (2 \* ( $\phi_{95\%} - \phi_{5\%}$ )) (Folk and Ward 1957)

Uniformity Coefficient (d60% / d10%) (dgr-Bulletin 1988)

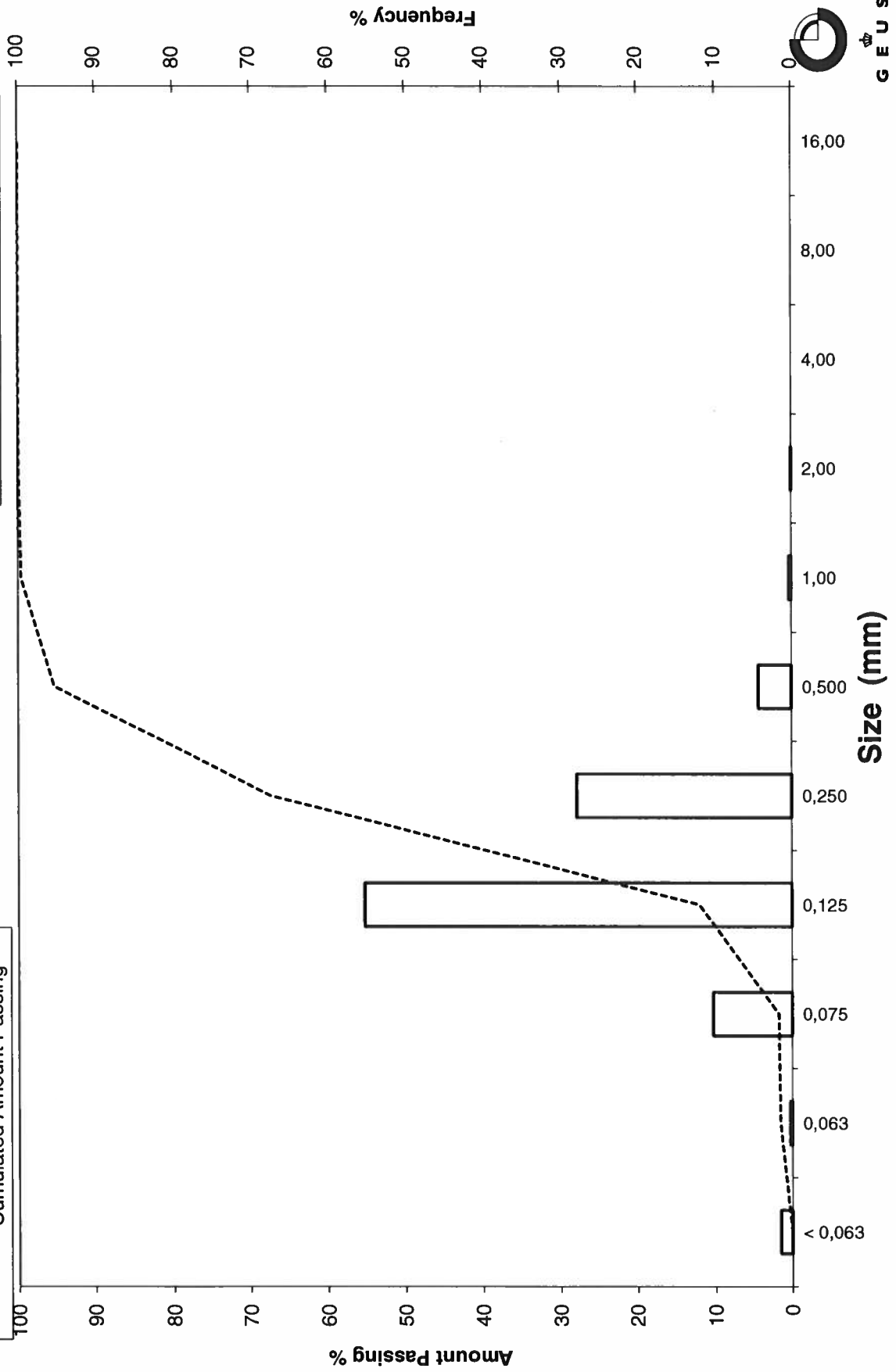
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: JAM 21, 0-200

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** JAM 22, 0-70  
**Lab. Id:** 200426  
**Projekt** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 100,68 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,00   | 0,00   | 100,00                   |
| 2,00    | -1,00  | 0,21   | 0,21   | 99,79                    |
| 1,00    | 0,00   | 0,81   | 0,80   | 98,99                    |
| 0,500   | 1,00   | 6,01   | 5,97   | 93,02                    |
| 0,250   | 2,00   | 52,23  | 51,88  | 41,14                    |
| 0,125   | 3,00   | 36,47  | 36,22  | 4,92                     |
| 0,075   | 3,74   | 3,92   | 3,89   | 1,02                     |
| 0,063   | 3,99   | 0,13   | 0,13   | 0,89                     |
| < 0,063 | > 3,99 | 0,90   | 0,89   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,89     |
| Sand, fine (0,063 mm - 0,200 mm): | 40,25    |
| Sand, medium (0,2 mm - 0,6 mm):   | 54,72    |
| Sand, coarse (0,6 mm - 2 mm):     | 3,93     |
| Gravel (> 2 mm):                  | 0,21     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,57  | 0,81 |
| 16%             | 84%            | 0,34  | 1,57 |
| 25%             | 75%            | 0,32  | 1,65 |
| 40%             | 60%            | 0,29  | 1,79 |
| Median 50%      | 50%            | 0,27  | 1,90 |
| 75%             | 25%            | 0,16  | 2,69 |
| 84%             | 16%            | 0,14  | 2,82 |
| 90%             | 10%            | 0,13  | 2,91 |
| 95%             | 5%             | 0,13  | 3,00 |

### Moments Statistics

|                        |      |
|------------------------|------|
| Mean                   | 2,10 |
| Sorting                | 0,64 |
| Skewness               | 0,24 |
| Kurtosis               | 0,87 |
| Uniformity Coefficient | 2,17 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

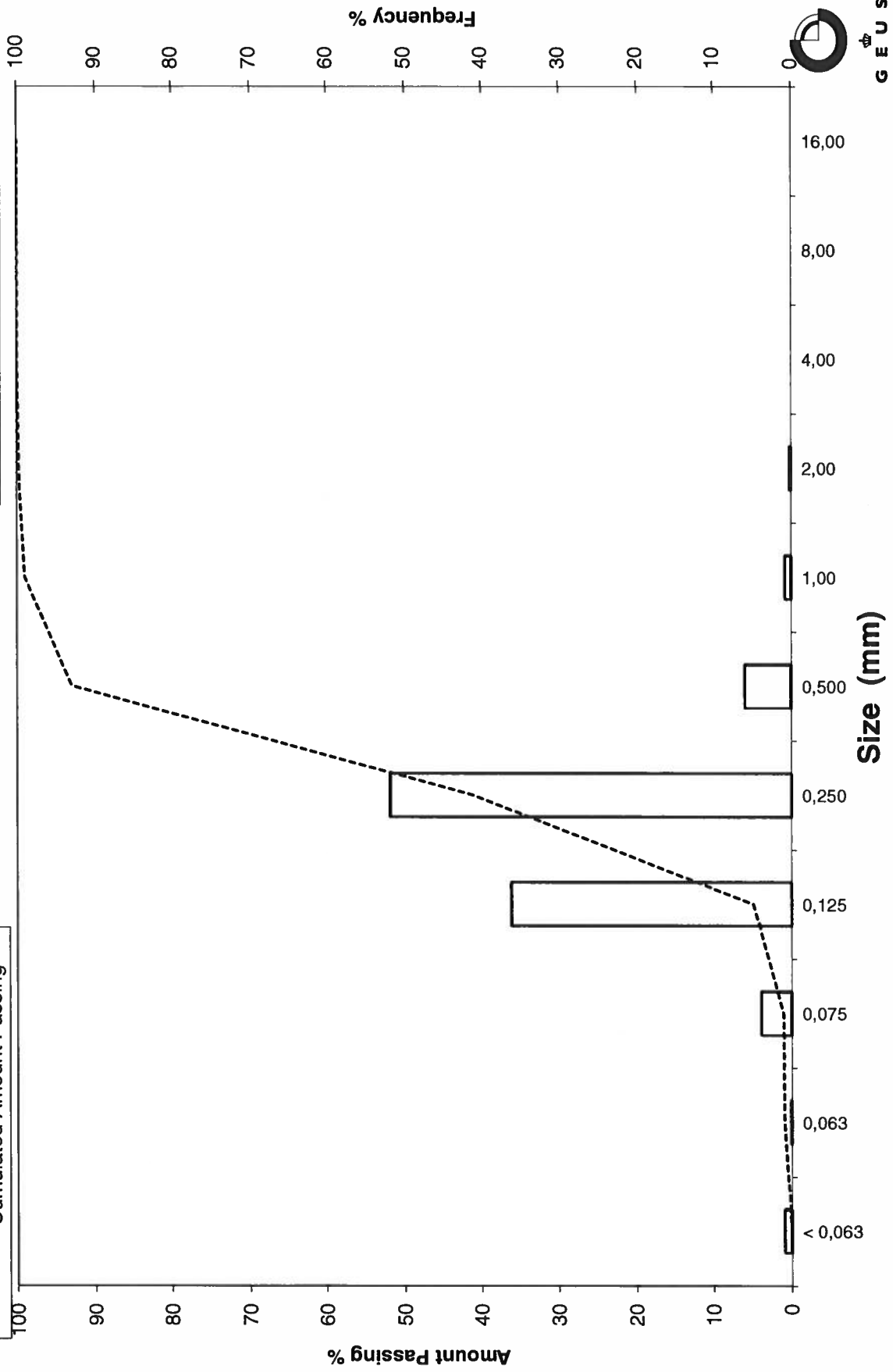
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: JAM 22, 0-70

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** JAM 23, 0-150  
**Lab. Id:** 200427  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >4mm heraf 0,2 g skaller



**Total Weight** 97,85 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated<br>amount<br>passing |
|---------|--------|--------|--------|--------------------------------|
| mm      | Φ      | g      | %      | %                              |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                         |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                         |
| 4,00    | -2,00  | 0,38   | 0,39   | 99,61                          |
| 2,00    | -1,00  | 0,08   | 0,08   | 99,53                          |
| 1,00    | 0,00   | 1,20   | 1,23   | 98,30                          |
| 0,500   | 1,00   | 8,88   | 9,08   | 89,23                          |
| 0,250   | 2,00   | 40,75  | 41,65  | 47,58                          |
| 0,125   | 3,00   | 41,83  | 42,75  | 4,83                           |
| 0,075   | 3,74   | 3,87   | 3,96   | 0,88                           |
| 0,063   | 3,99   | 0,08   | 0,08   | 0,80                           |
| < 0,063 | > 3,99 | 0,78   | 0,80   | 0,00                           |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,80     |
| Sand, fine (0,063 mm - 0,200 mm): | 46,79    |
| Sand, medium (0,2 mm - 0,6 mm):   | 45,97    |
| Sand, coarse (0,6 mm - 2 mm):     | 5,98     |
| Gravel (> 2 mm):                  | 0,47     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,63  | 0,66 |
| 16%             | 84%            | 0,34  | 1,55 |
| 25%             | 75%            | 0,32  | 1,65 |
| 40%             | 60%            | 0,28  | 1,83 |
| Median 50%      | 50%            | 0,26  | 1,97 |
| 75%             | 25%            | 0,15  | 2,73 |
| 84%             | 16%            | 0,14  | 2,84 |
| 90%             | 10%            | 0,13  | 2,93 |
| 95%             | 5%             | 0,13  | 3,00 |

### Moments Statistics

|                        |      |
|------------------------|------|
| Mean                   | 2,12 |
| Sorting                | 0,68 |
| Skewness               | 0,12 |
| Kurtosis               | 0,89 |
| Uniformity Coefficient | 2,14 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles  
are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

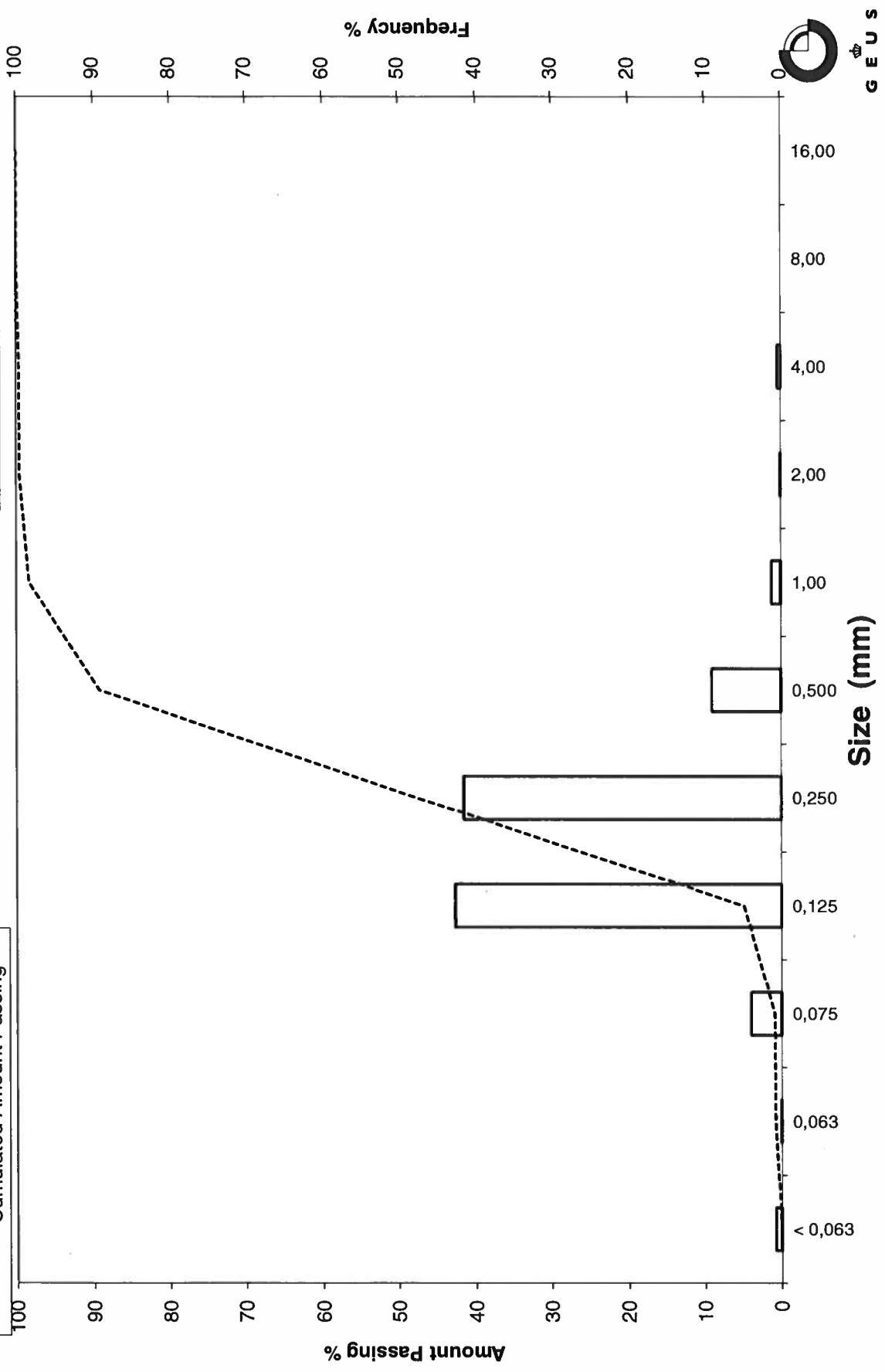
Mean, sorting, skewness and kurtosis are based on  
"Amount in sieve". Uniformity coefficient is based on  
"Amount passing".

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# Grain Size Distribution

Sample Id: JAM 23, 0-150

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** JAM 24 0-500  
**Lab. Id:** 200428  
**Projekt:** MST Råstøfkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 108,18 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,06   | 0,06   | 99,94                    |
| 2,00    | -1,00  | 1,89   | 1,75   | 98,20                    |
| 1,00    | 0,00   | 5,54   | 5,12   | 93,08                    |
| 0,500   | 1,00   | 25,47  | 23,54  | 69,53                    |
| 0,250   | 2,00   | 61,10  | 56,48  | 13,05                    |
| 0,125   | 3,00   | 11,84  | 10,94  | 2,11                     |
| 0,075   | 3,74   | 1,41   | 1,30   | 0,80                     |
| 0,063   | 3,99   | 0,05   | 0,05   | 0,76                     |
| < 0,063 | > 3,99 | 0,82   | 0,76   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,76     |
| Sand, fine (0,063 mm - 0,200 mm): | 12,29    |
| Sand, medium (0,2 mm - 0,6 mm):   | 67,69    |
| Sand, coarse (0,6 mm - 2 mm):     | 17,45    |
| Gravel (> 2 mm):                  | 1,80     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 1,15  | -0,20 |
| 16%             | 84%            | 0,63  | 0,67  |
| 25%             | 75%            | 0,55  | 0,87  |
| 40%             | 60%            | 0,34  | 1,57  |
| Median 50%      | 50%            | 0,32  | 1,65  |
| 75%             | 25%            | 0,27  | 1,88  |
| 84%             | 16%            | 0,26  | 1,97  |
| 90%             | 10%            | 0,16  | 2,60  |
| 95%             | 5%             | 0,14  | 2,84  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 1,43  |
| Sorting                | 0,79  |
| Skewness               | -0,36 |
| Kurtosis               | 1,23  |
| Uniformity Coefficient | 2,05  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgt-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

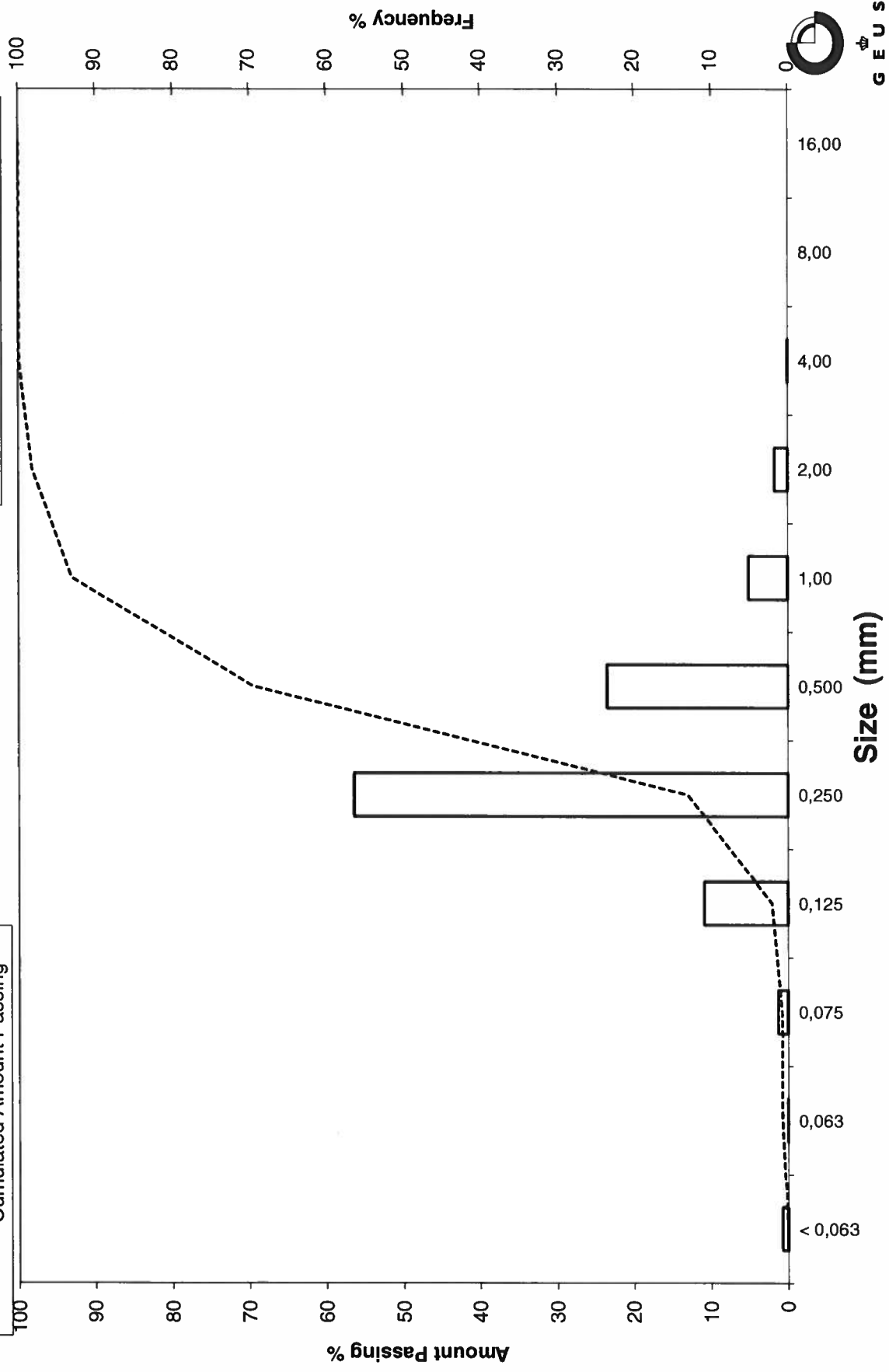
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# Grain Size Distribution

Sample Id: JAM 24 0-500

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** JAM 28 0-200  
**Lab. Id:** 200429  
**Projekt:** MST Råstøfkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >4mm heraf 0,2 g skaller



**Total Weight** 108,38 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated<br>amount<br>passing |
|---------|--------|--------|--------|--------------------------------|
| mm      | Φ      | g      | %      | %                              |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                         |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                         |
| 4,00    | -2,00  | 0,38   | 0,35   | 99,65                          |
| 2,00    | -1,00  | 0,30   | 0,28   | 99,37                          |
| 1,00    | 0,00   | 2,00   | 1,85   | 97,53                          |
| 0,500   | 1,00   | 14,03  | 12,95  | 84,58                          |
| 0,250   | 2,00   | 53,97  | 49,80  | 34,79                          |
| 0,125   | 3,00   | 34,36  | 31,70  | 3,08                           |
| 0,075   | 3,74   | 2,12   | 1,96   | 1,13                           |
| 0,063   | 3,99   | 0,13   | 0,12   | 1,01                           |
| < 0,063 | > 3,99 | 1,09   | 1,01   | 0,00                           |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 1,01     |
| Sand, fine (0,063 mm - 0,200 mm): | 33,78    |
| Sand, medium (0,2 mm - 0,6 mm):   | 55,96    |
| Sand, coarse (0,6 mm - 2 mm):     | 8,63     |
| Gravel (> 2 mm):                  | 0,63     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,67  | 0,58 |
| 16%             | 84%            | 0,35  | 1,50 |
| 25%             | 75%            | 0,33  | 1,58 |
| 40%             | 60%            | 0,30  | 1,72 |
| Median 50%      | 50%            | 0,28  | 1,83 |
| 75%             | 25%            | 0,16  | 2,62 |
| 84%             | 16%            | 0,15  | 2,76 |
| 90%             | 10%            | 0,14  | 2,87 |
| 95%             | 5%             | 0,13  | 2,96 |

### Moments Statistics

|                        |      |
|------------------------|------|
| Mean                   | 2,03 |
| Sorting                | 0,68 |
| Skewness               | 0,22 |
| Kurtosis               | 0,94 |
| Uniformity Coefficient | 2,21 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

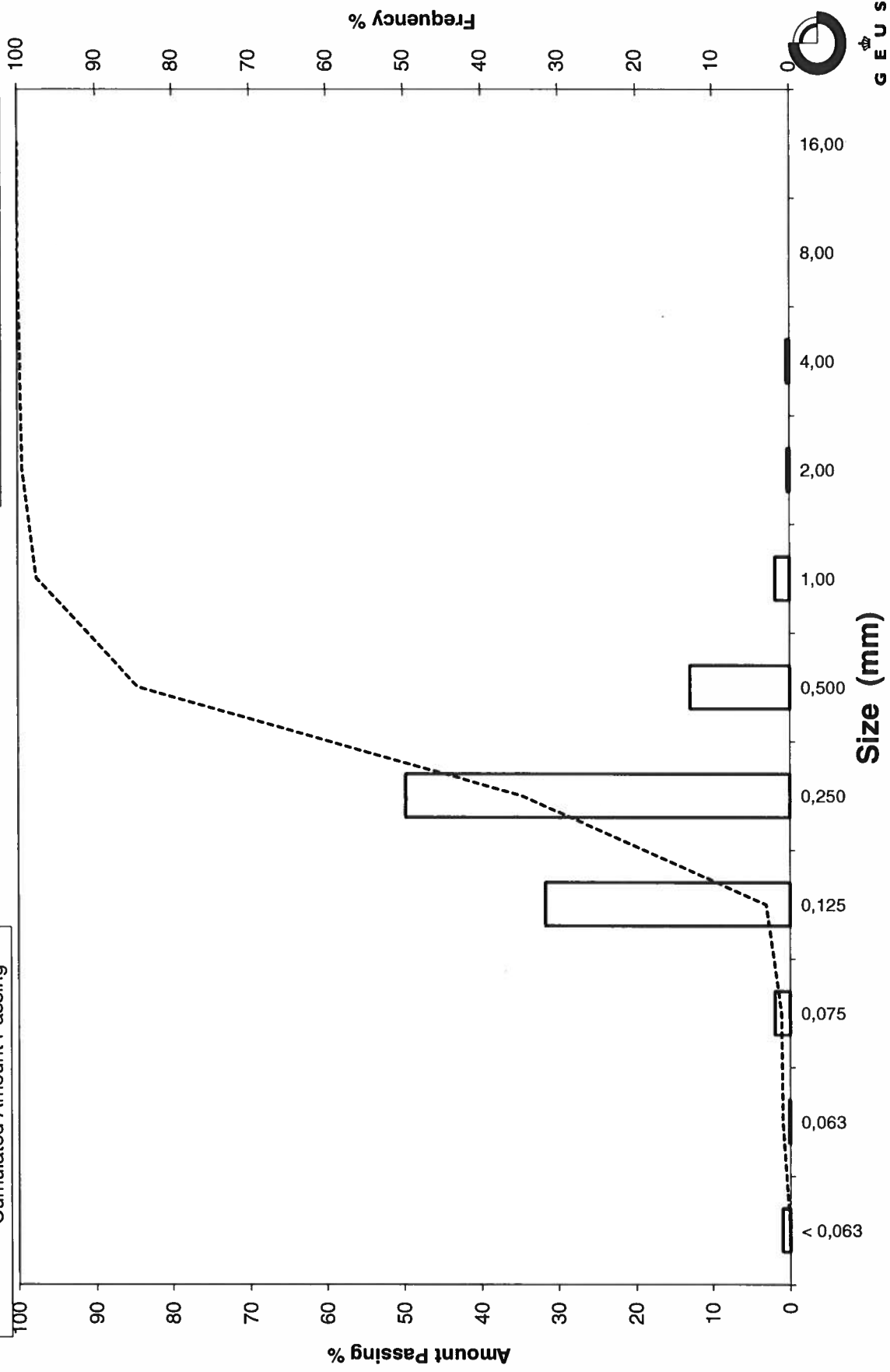
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: JAM 28 0-200

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** JAM 29 0-400  
**Lab. Id:** 200430  
**Projekt:** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 103,48 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,00   | 0,00   | 100,00                   |
| 2,00    | -1,00  | 0,03   | 0,03   | 99,97                    |
| 1,00    | 0,00   | 0,16   | 0,15   | 99,82                    |
| 0,500   | 1,00   | 1,55   | 1,50   | 98,32                    |
| 0,250   | 2,00   | 30,39  | 29,37  | 68,95                    |
| 0,125   | 3,00   | 64,08  | 61,93  | 7,03                     |
| 0,075   | 3,74   | 5,17   | 5,00   | 2,03                     |
| 0,063   | 3,99   | 0,40   | 0,39   | 1,64                     |
| < 0,063 | > 3,99 | 1,70   | 1,64   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 1,64     |
| Sand, fine (0,063 mm - 0,200 mm): | 67,31    |
| Sand, medium (0,2 mm - 0,6 mm):   | 30,08    |
| Sand, coarse (0,6 mm - 2 mm):     | 0,94     |
| Gravel (> 2 mm):                  | 0,03     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,34  | 1,54 |
| 16%             | 84%            | 0,30  | 1,72 |
| 25%             | 75%            | 0,27  | 1,88 |
| 40%             | 60%            | 0,17  | 2,54 |
| Median 50%      | 50%            | 0,16  | 2,62 |
| 75%             | 25%            | 0,14  | 2,83 |
| 84%             | 16%            | 0,13  | 2,91 |
| 90%             | 10%            | 0,13  | 2,97 |
| 95%             | 5%             | 0,08  | 3,57 |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 2,42  |
| Sorting                | 0,61  |
| Skewness               | -0,28 |
| Kurtosis               | 0,88  |
| Uniformity Coefficient | 1,35  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

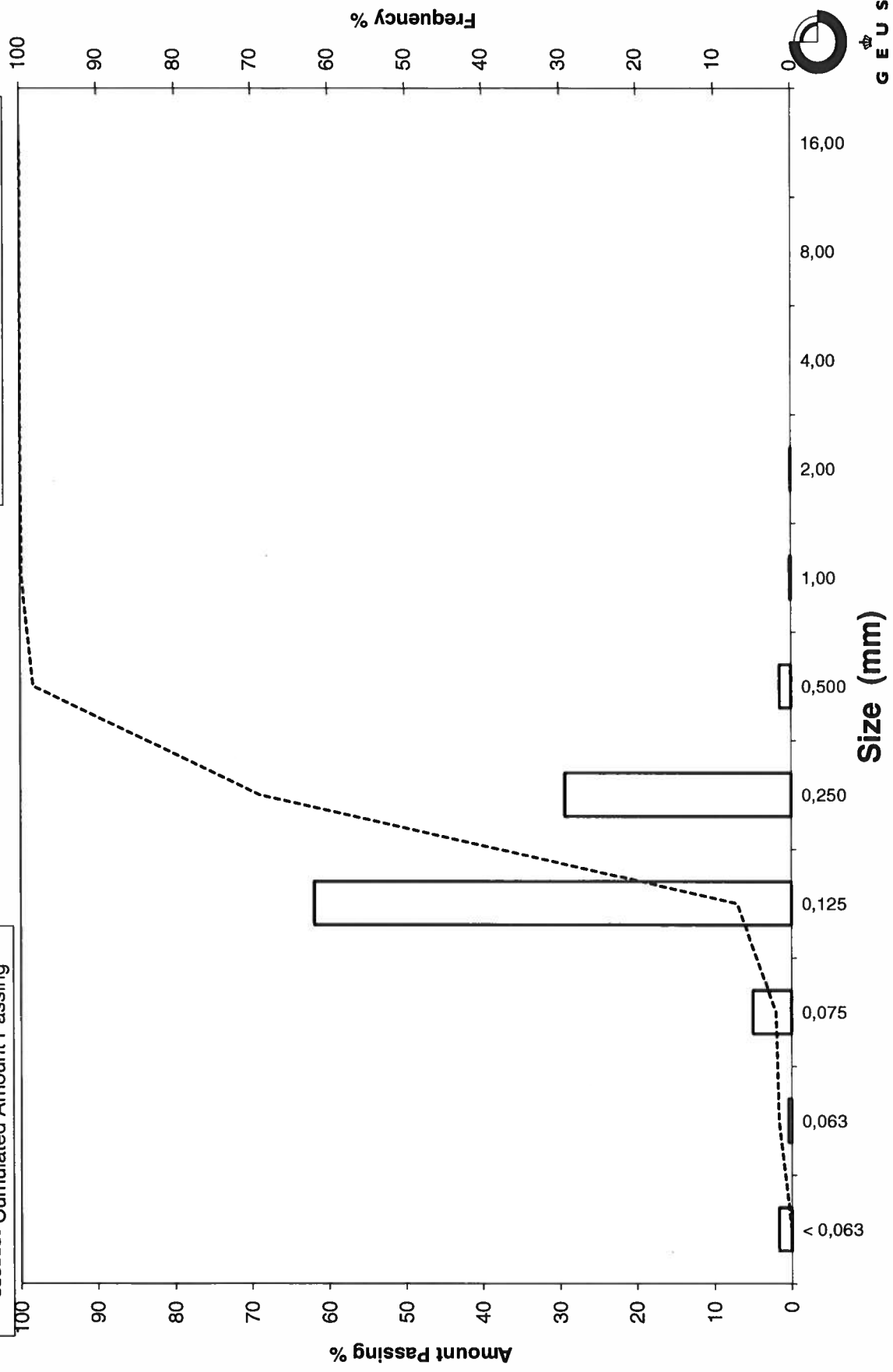
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: JAM 29 0-400

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** JAM 30, 0-350  
**Lab. Id:** 200469  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 92,99 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,00   | 0,00   | 100,00                   |
| 2,00    | -1,00  | 0,00   | 0,00   | 100,00                   |
| 1,00    | 0,00   | 0,38   | 0,41   | 99,59                    |
| 0,500   | 1,00   | 1,01   | 1,09   | 98,51                    |
| 0,250   | 2,00   | 2,76   | 2,97   | 95,54                    |
| 0,125   | 3,00   | 35,00  | 37,64  | 57,90                    |
| 0,075   | 3,74   | 48,25  | 51,89  | 6,01                     |
| 0,063   | 3,99   | 2,00   | 2,15   | 3,86                     |
| < 0,063 | > 3,99 | 3,59   | 3,86   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 3,86     |
| Sand, fine (0,063 mm - 0,200 mm): | 91,68    |
| Sand, medium (0,2 mm - 0,6 mm):   | 3,49     |
| Sand, coarse (0,6 mm - 2 mm):     | 0,98     |
| Gravel (> 2 mm):                  | 0,00     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,18  | 2,48 |
| 16%             | 84%            | 0,16  | 2,62 |
| 25%             | 75%            | 0,15  | 2,74 |
| 40%             | 60%            | 0,13  | 2,96 |
| Median 50%      | 50%            | 0,09  | 3,51 |
| 75%             | 25%            | 0,08  | 3,64 |
| 84%             | 16%            | 0,08  | 3,68 |
| 90%             | 10%            | 0,08  | 3,71 |
| 95%             | 5%             | 0,07  | 3,85 |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 3,27  |
| Sorting                | 0,47  |
| Skewness               | -0,59 |
| Kurtosis               | 0,63  |
| Uniformity Coefficient | 1,68  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

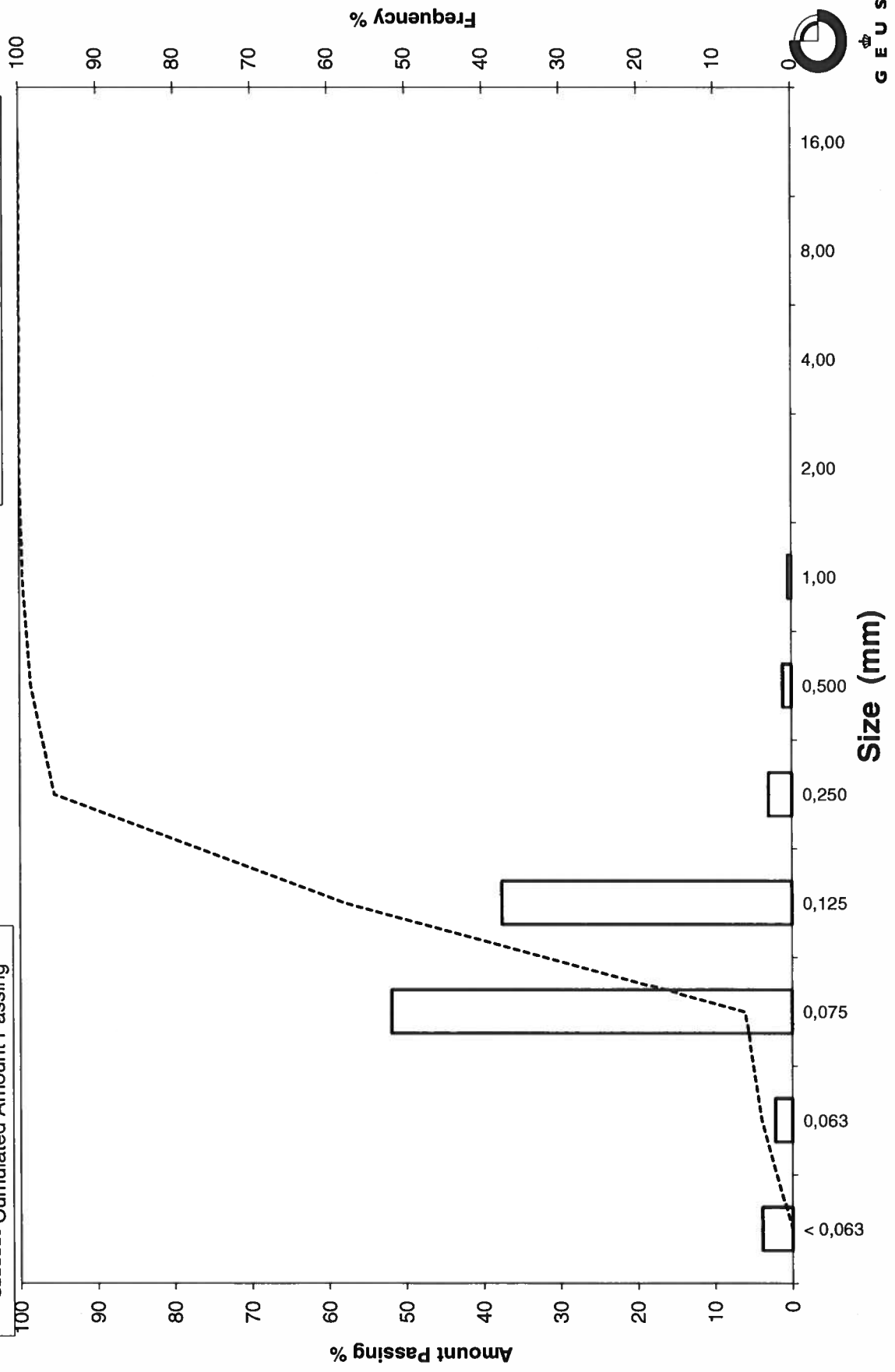
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Sample Id: JAM 30, 0-350

## Grain Size Distribution

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** JAM 32 0-100  
**Lab. Id:** 200431  
**Projekt:** MST Råstøfkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >16mm består af skaller



**Total Weight** 112,63 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 1,78   | 1,58   | 98,42                    |
| 8,00    | -3,00  | 0,84   | 0,75   | 97,67                    |
| 4,00    | -2,00  | 0,47   | 0,42   | 97,26                    |
| 2,00    | -1,00  | 2,92   | 2,59   | 94,66                    |
| 1,00    | 0,00   | 4,06   | 3,60   | 91,06                    |
| 0,500   | 1,00   | 14,78  | 13,12  | 77,94                    |
| 0,250   | 2,00   | 72,77  | 64,61  | 13,33                    |
| 0,125   | 3,00   | 13,32  | 11,83  | 1,50                     |
| 0,075   | 3,74   | 0,78   | 0,69   | 0,81                     |
| 0,063   | 3,99   | 0,04   | 0,04   | 0,77                     |
| < 0,063 | > 3,99 | 0,87   | 0,77   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,77     |
| Sand, fine (0,063 mm - 0,200 mm): | 12,55    |
| Sand, medium (0,2 mm - 0,6 mm):   | 70,86    |
| Sand, coarse (0,6 mm - 2 mm):     | 10,48    |
| Gravel (> 2 mm):                  | 5,34     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 2,10  | -1,07 |
| 16%             | 84%            | 0,60  | 0,74  |
| 25%             | 75%            | 0,35  | 1,51  |
| 40%             | 60%            | 0,33  | 1,62  |
| Median 50%      | 50%            | 0,31  | 1,69  |
| 75%             | 25%            | 0,27  | 1,89  |
| 84%             | 16%            | 0,25  | 1,98  |
| 90%             | 10%            | 0,16  | 2,60  |
| 95%             | 5%             | 0,14  | 2,82  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 1,47  |
| Sorting                | 0,90  |
| Skewness               | -0,48 |
| Kurtosis               | 4,19  |
| Uniformity Coefficient | 1,98  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

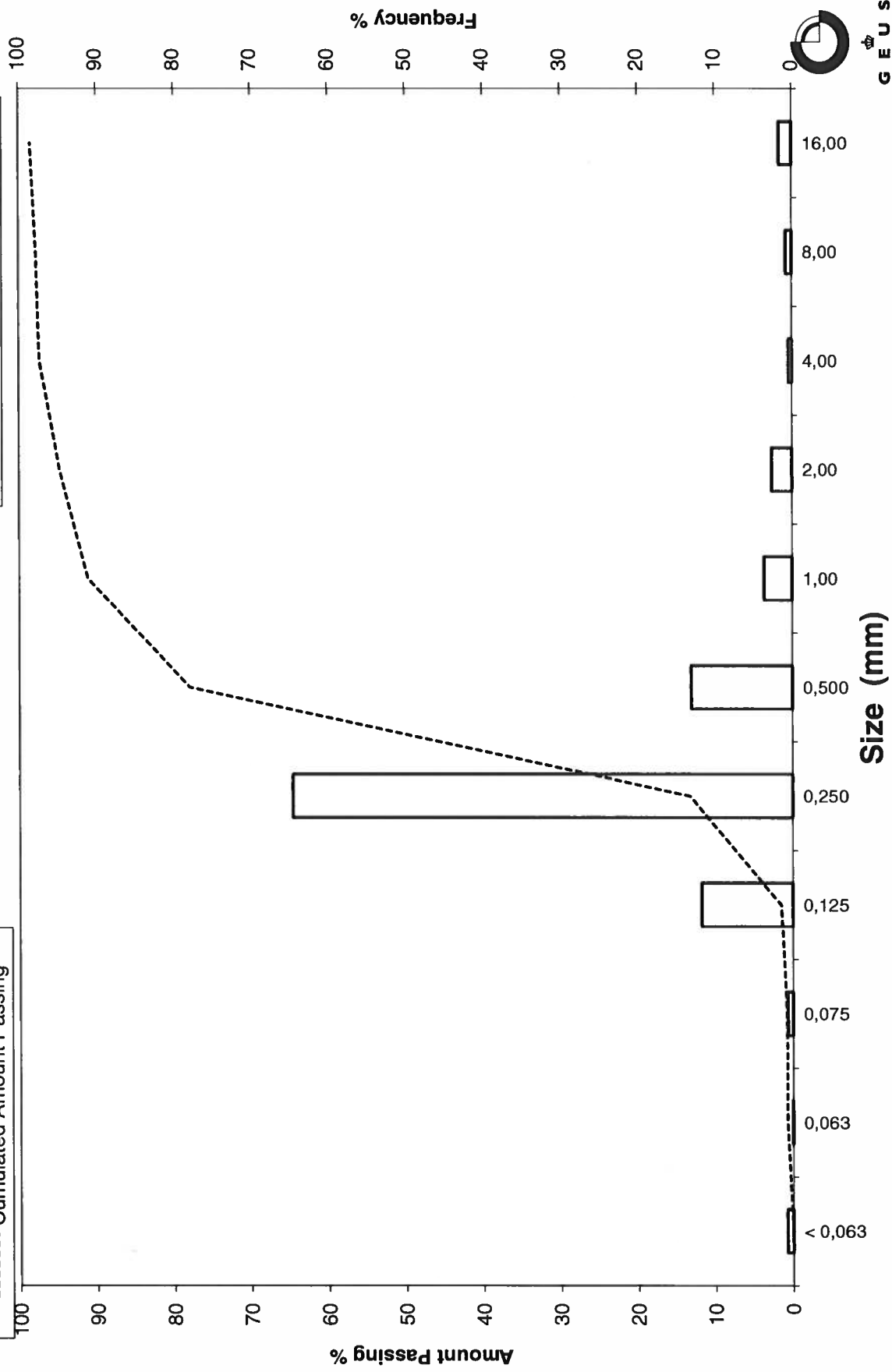
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# Grain Size Distribution

Sample Id: JAM 32 0-100

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** JAM 35, 0-150  
**Lab. Id:** 200432  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >2mm heraf 0,1 g skaller



**Total Weight** 120,29 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 1,35   | 1,12   | 98,88                    |
| 2,00    | -1,00  | 3,01   | 2,50   | 96,38                    |
| 1,00    | 0,00   | 8,52   | 7,08   | 89,29                    |
| 0,500   | 1,00   | 28,70  | 23,86  | 65,43                    |
| 0,250   | 2,00   | 56,27  | 46,78  | 18,65                    |
| 0,125   | 3,00   | 21,16  | 17,59  | 1,06                     |
| 0,075   | 3,74   | 0,63   | 0,52   | 0,54                     |
| 0,063   | 3,99   | 0,02   | 0,02   | 0,52                     |
| < 0,063 | > 3,99 | 0,63   | 0,52   | 0,00                     |

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,52     |
| Sand, fine (0,063 mm - 0,200 mm): | 18,13    |
| Sand, medium (0,2 mm - 0,6 mm):   | 58,14    |
| Sand, coarse (0,6 mm - 2 mm):     | 19,58    |
| Gravel (> 2 mm):                  | 3,62     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 1,32  | -0,40 |
| 16%             | 84%            | 0,66  | 0,59  |
| 25%             | 75%            | 0,58  | 0,78  |
| 40%             | 60%            | 0,34  | 1,54  |
| Median 50%      | 50%            | 0,32  | 1,64  |
| 75%             | 25%            | 0,26  | 1,92  |
| 84%             | 16%            | 0,17  | 2,54  |
| 90%             | 10%            | 0,15  | 2,71  |
| 95%             | 5%             | 0,14  | 2,86  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 1,59  |
| Sorting                | 0,98  |
| Skewness               | -0,16 |
| Kurtosis               | 1,17  |
| Uniformity Coefficient | 2,24  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

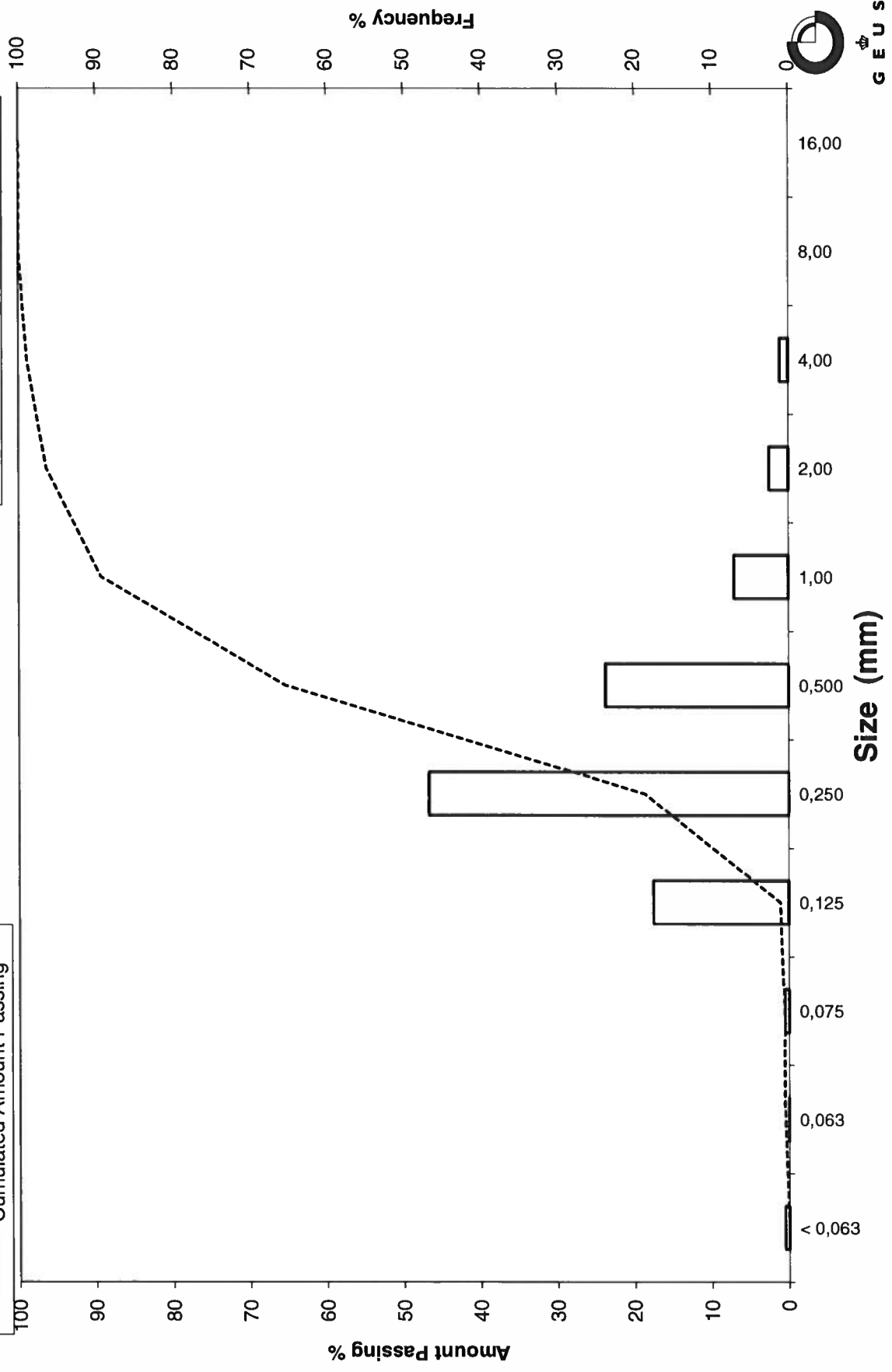
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Sample Id: JAM 35, 0-150

## Grain Size Distribution

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** JAM 39, 0-425  
**Lab. Id:** 200433  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >8mm består af skaller



**Total Weight** 114,8 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,46   | 0,40   | 99,60                    |
| 4,00    | -2,00  | 1,00   | 0,87   | 98,73                    |
| 2,00    | -1,00  | 1,94   | 1,69   | 97,04                    |
| 1,00    | 0,00   | 3,83   | 3,34   | 93,70                    |
| 0,500   | 1,00   | 24,29  | 21,16  | 72,54                    |
| 0,250   | 2,00   | 76,10  | 66,29  | 6,25                     |
| 0,125   | 3,00   | 5,51   | 4,80   | 1,45                     |
| 0,075   | 3,74   | 0,60   | 0,52   | 0,93                     |
| 0,063   | 3,99   | 0,03   | 0,03   | 0,91                     |
| < 0,063 | > 3,99 | 1,04   | 0,91   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,91     |
| Sand, fine (0,063 mm - 0,200 mm): | 5,35     |
| Sand, medium (0,2 mm - 0,6 mm):   | 76,36    |
| Sand, coarse (0,6 mm - 2 mm):     | 14,42    |
| Gravel (> 2 mm):                  | 2,96     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 1,16  | -0,21 |
| 16%             | 84%            | 0,61  | 0,70  |
| 25%             | 75%            | 0,52  | 0,93  |
| 40%             | 60%            | 0,34  | 1,58  |
| Median 50%      | 50%            | 0,32  | 1,65  |
| 75%             | 25%            | 0,28  | 1,84  |
| 84%             | 16%            | 0,27  | 1,91  |
| 90%             | 10%            | 0,26  | 1,97  |
| 95%             | 5%             | 0,17  | 2,59  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 1,42  |
| Sorting                | 0,73  |
| Skewness               | -0,44 |
| Kurtosis               | 1,27  |
| Uniformity Coefficient | 1,31  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgt-Bulletin 1988)

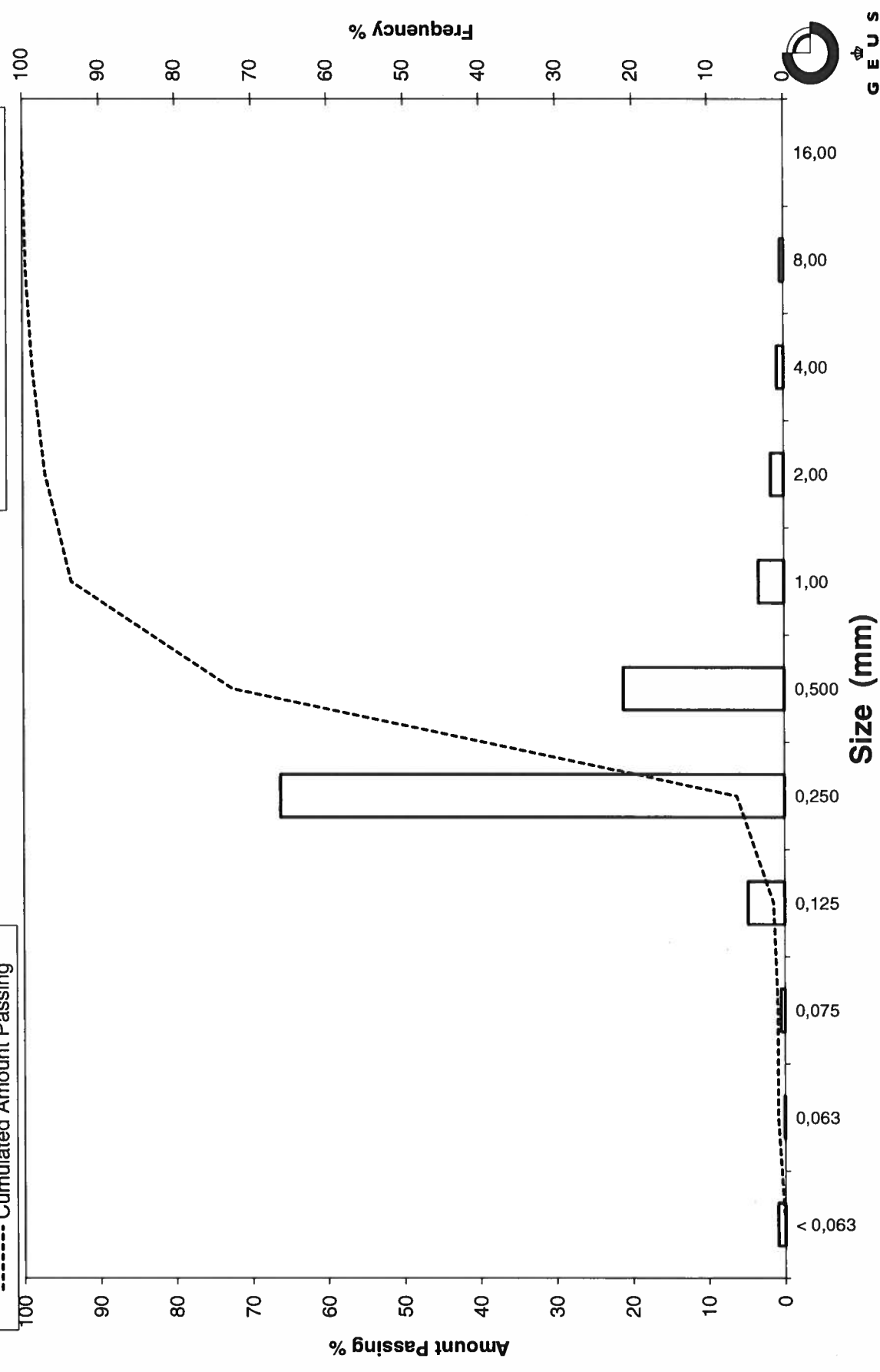
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Sample Id: JAM 39, 0-425

# Grain Size Distribution

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** JAM 40, 0-78  
**Lab. Id:** 200434  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >4mm heraf 0,9 g skaller



**Total Weight** 110,17 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 2,61   | 2,37   | 97,63                    |
| 4,00    | -2,00  | 1,14   | 1,03   | 96,60                    |
| 2,00    | -1,00  | 2,90   | 2,63   | 93,96                    |
| 1,00    | 0,00   | 4,91   | 4,46   | 89,51                    |
| 0,500   | 1,00   | 22,50  | 20,42  | 69,08                    |
| 0,250   | 2,00   | 59,35  | 53,87  | 15,21                    |
| 0,125   | 3,00   | 15,50  | 14,07  | 1,14                     |
| 0,075   | 3,74   | 0,46   | 0,42   | 0,73                     |
| 0,063   | 3,99   | 0,03   | 0,03   | 0,70                     |
| < 0,063 | > 3,99 | 0,77   | 0,70   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,70     |
| Sand, fine (0,063 mm - 0,200 mm): | 14,51    |
| Sand, medium (0,2 mm - 0,6 mm):   | 63,60    |
| Sand, coarse (0,6 mm - 2 mm):     | 15,15    |
| Gravel (> 2 mm):                  | 6,04     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 2,31  | -1,21 |
| 16%             | 84%            | 0,65  | 0,61  |
| 25%             | 75%            | 0,56  | 0,83  |
| 40%             | 60%            | 0,34  | 1,57  |
| Median 50%      | 50%            | 0,32  | 1,65  |
| 75%             | 25%            | 0,27  | 1,89  |
| 84%             | 16%            | 0,25  | 1,99  |
| 90%             | 10%            | 0,16  | 2,65  |
| 95%             | 5%             | 0,14  | 2,84  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 1,42  |
| Sorting                | 0,96  |
| Skewness               | -0,46 |
| Kurtosis               | 1,57  |
| Uniformity Coefficient | 2,11  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

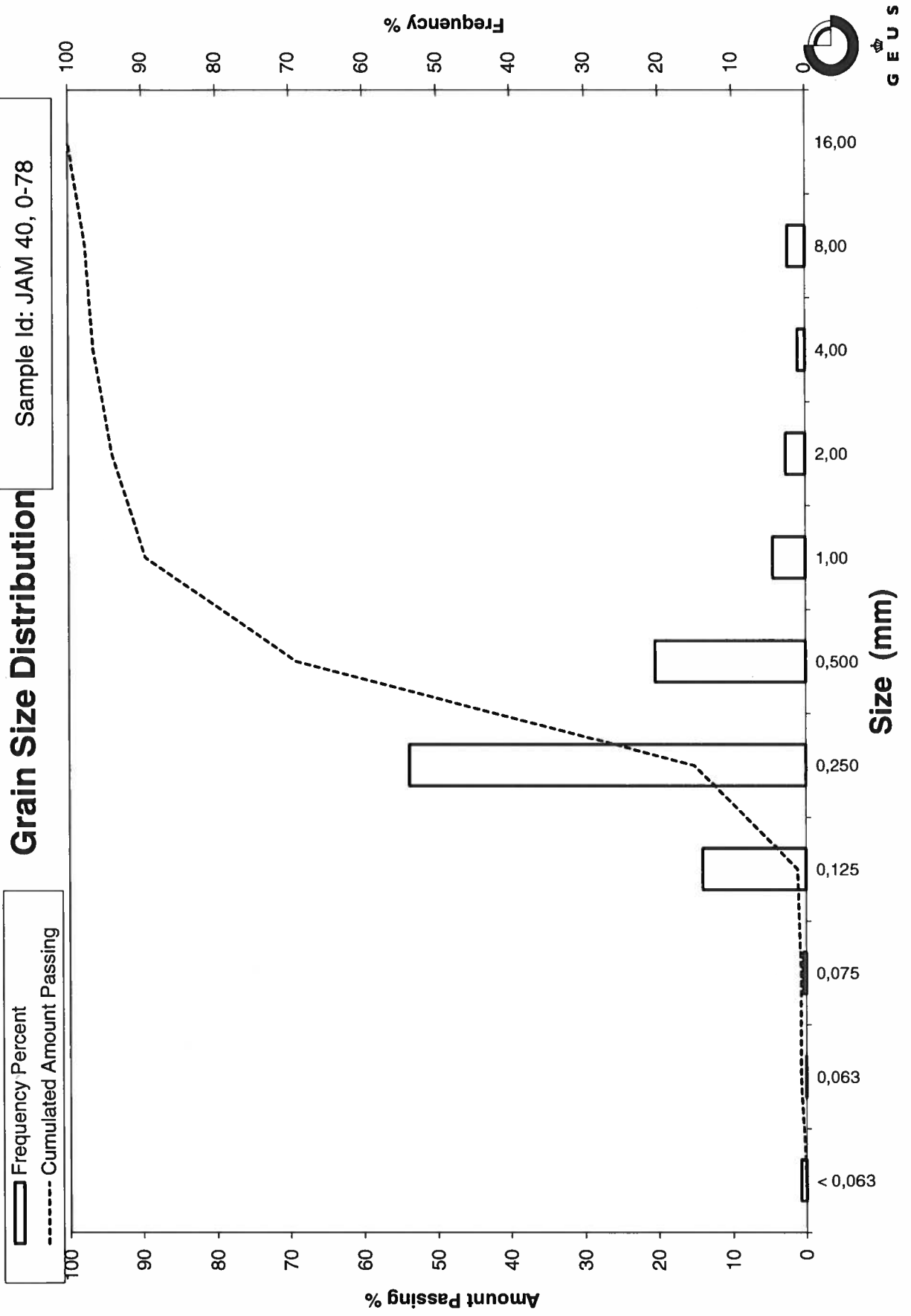
Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

## Geotechnical

**Sample Id:** JAM 40, 100-300  
**Lab. Id:** 200435  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 102,5 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,00   | 0,00   | 100,00                   |
| 2,00    | -1,00  | 0,39   | 0,38   | 99,62                    |
| 1,00    | 0,00   | 1,82   | 1,78   | 97,84                    |
| 0,500   | 1,00   | 13,05  | 12,73  | 85,11                    |
| 0,250   | 2,00   | 51,38  | 50,13  | 34,99                    |
| 0,125   | 3,00   | 33,56  | 32,74  | 2,24                     |
| 0,075   | 3,74   | 1,08   | 1,05   | 1,19                     |
| 0,063   | 3,99   | 0,02   | 0,02   | 1,17                     |
| < 0,063 | > 3,99 | 1,20   | 1,17   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 1,17     |
| Sand, fine (0,063 mm - 0,200 mm): | 33,81    |
| Sand, medium (0,2 mm - 0,6 mm):   | 56,19    |
| Sand, coarse (0,6 mm - 2 mm):     | 8,44     |
| Gravel (> 2 mm):                  | 0,38     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,66  | 0,59 |
| 16%             | 84%            | 0,35  | 1,50 |
| 25%             | 75%            | 0,33  | 1,58 |
| 40%             | 60%            | 0,30  | 1,73 |
| Median 50%      | 50%            | 0,28  | 1,83 |
| 75%             | 25%            | 0,16  | 2,62 |
| 84%             | 16%            | 0,15  | 2,76 |
| 90%             | 10%            | 0,14  | 2,86 |
| 95%             | 5%             | 0,13  | 2,95 |

### Moments Statistics

|                        |      |
|------------------------|------|
| Mean                   | 2,03 |
| Sorting                | 0,67 |
| Skewness               | 0,21 |
| Kurtosis               | 0,93 |
| Uniformity Coefficient | 2,19 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

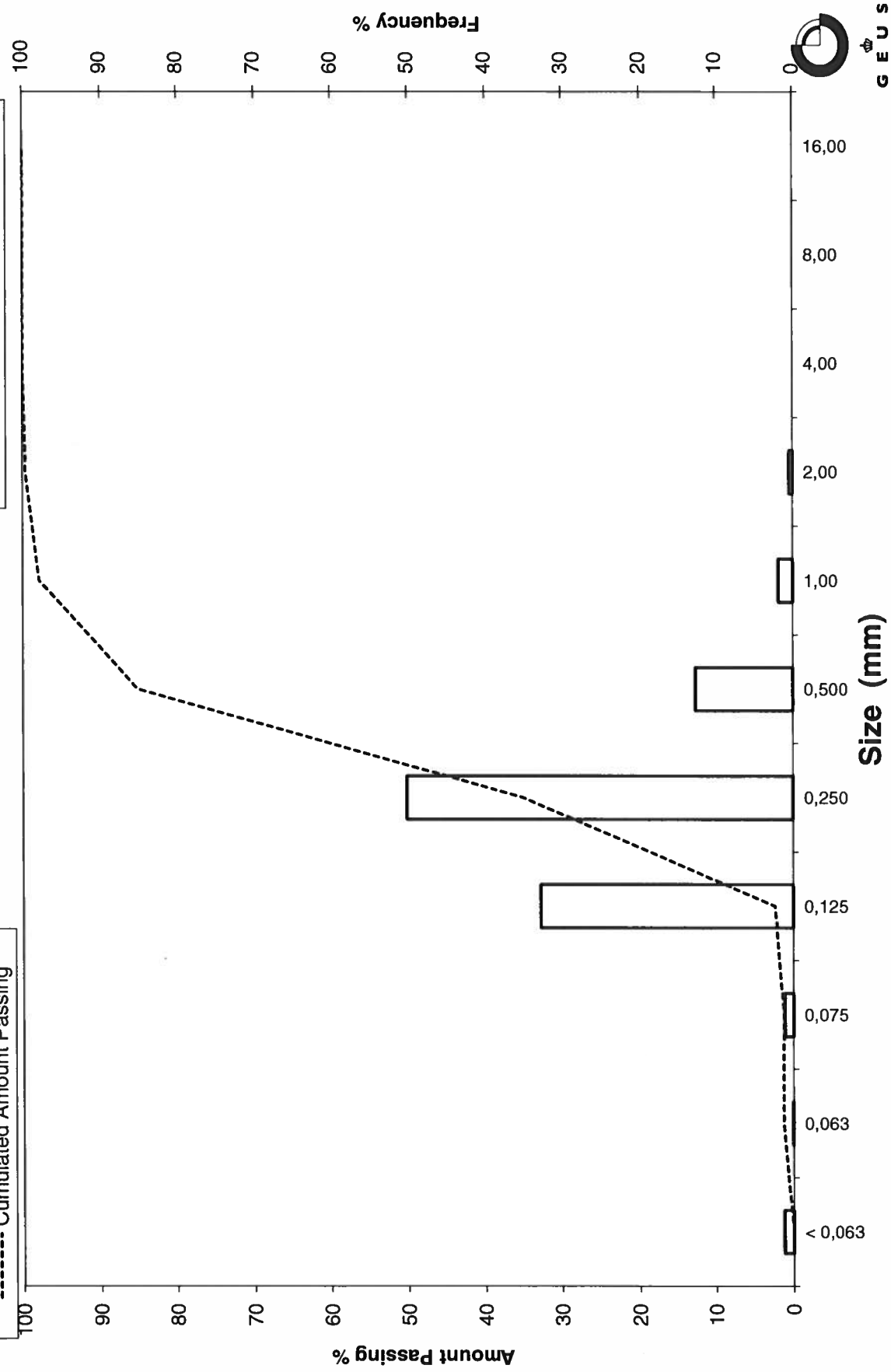
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Sample Id: JAM 40, 100-300

# Grain Size Distribution

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** JAM 41, 0-180  
**Lab. Id:** 200436  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 103,63 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,00   | 0,00   | 100,00                   |
| 2,00    | -1,00  | 0,46   | 0,44   | 99,56                    |
| 1,00    | 0,00   | 2,08   | 2,01   | 97,55                    |
| 0,500   | 1,00   | 12,38  | 11,95  | 85,60                    |
| 0,250   | 2,00   | 53,00  | 51,14  | 34,46                    |
| 0,125   | 3,00   | 33,95  | 32,76  | 1,70                     |
| 0,075   | 3,74   | 0,78   | 0,75   | 0,95                     |
| 0,063   | 3,99   | 0,05   | 0,05   | 0,90                     |
| < 0,063 | > 3,99 | 0,93   | 0,90   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,90     |
| Sand, fine (0,063 mm - 0,200 mm): | 33,56    |
| Sand, medium (0,2 mm - 0,6 mm):   | 56,83    |
| Sand, coarse (0,6 mm - 2 mm):     | 8,26     |
| Gravel (> 2 mm):                  | 0,44     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,67  | 0,59 |
| 16%             | 84%            | 0,35  | 1,51 |
| 25%             | 75%            | 0,33  | 1,59 |
| 40%             | 60%            | 0,30  | 1,73 |
| Median 50%      | 50%            | 0,28  | 1,83 |
| 75%             | 25%            | 0,16  | 2,61 |
| 84%             | 16%            | 0,15  | 2,75 |
| 90%             | 10%            | 0,14  | 2,85 |
| 95%             | 5%             | 0,13  | 2,94 |

### Moments Statistics

|                        |      |
|------------------------|------|
| Mean                   | 2,03 |
| Sorting                | 0,67 |
| Skewness               | 0,22 |
| Kurtosis               | 0,94 |
| Uniformity Coefficient | 2,18 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

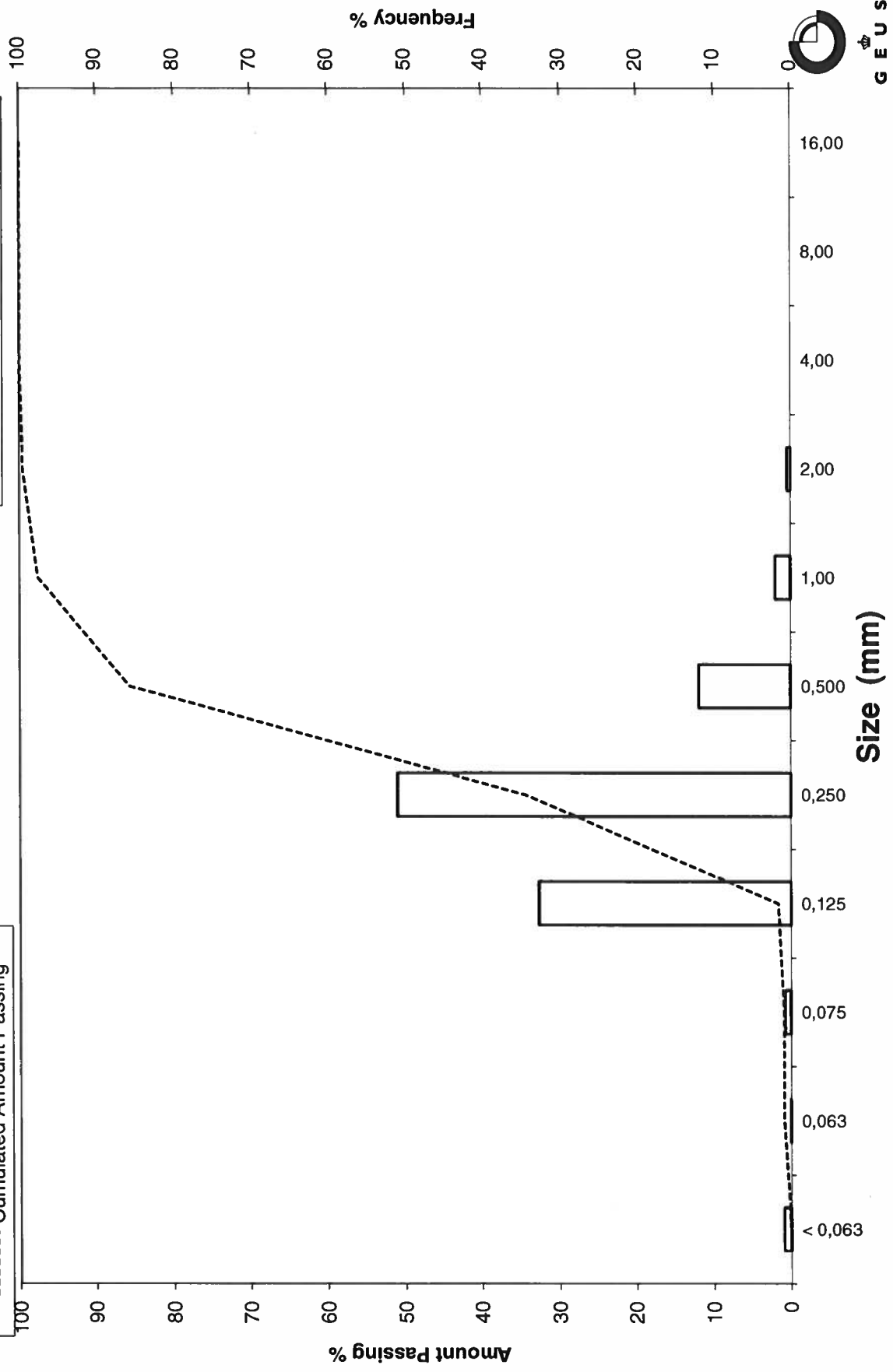
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Sample Id: JAM 41, 0-180

# Grain Size Distribution

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** JAM 44, 0-100  
**Lab. Id:** 200471  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 94,19 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,00   | 0,00   | 100,00                   |
| 2,00    | -1,00  | 0,11   | 0,12   | 99,88                    |
| 1,00    | 0,00   | 0,30   | 0,32   | 99,56                    |
| 0,500   | 1,00   | 1,73   | 1,84   | 97,73                    |
| 0,250   | 2,00   | 37,22  | 39,52  | 58,21                    |
| 0,125   | 3,00   | 52,36  | 55,59  | 2,62                     |
| 0,075   | 3,74   | 1,51   | 1,60   | 1,02                     |
| 0,063   | 3,99   | 0,09   | 0,10   | 0,92                     |
| < 0,063 | > 3,99 | 0,87   | 0,92   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,92     |
| Sand, fine (0,063 mm - 0,200 mm): | 57,29    |
| Sand, medium (0,2 mm - 0,6 mm):   | 40,39    |
| Sand, coarse (0,6 mm - 2 mm):     | 1,28     |
| Gravel (> 2 mm):                  | 0,12     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,35  | 1,52 |
| 16%             | 84%            | 0,32  | 1,65 |
| 25%             | 75%            | 0,29  | 1,76 |
| 40%             | 60%            | 0,25  | 1,97 |
| Median 50%      | 50%            | 0,17  | 2,54 |
| 75%             | 25%            | 0,15  | 2,76 |
| 84%             | 16%            | 0,14  | 2,85 |
| 90%             | 10%            | 0,13  | 2,92 |
| 95%             | 5%             | 0,13  | 2,97 |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 2,35  |
| Sorting                | 0,52  |
| Skewness               | -0,44 |
| Kurtosis               | 0,59  |
| Uniformity Coefficient | 1,93  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

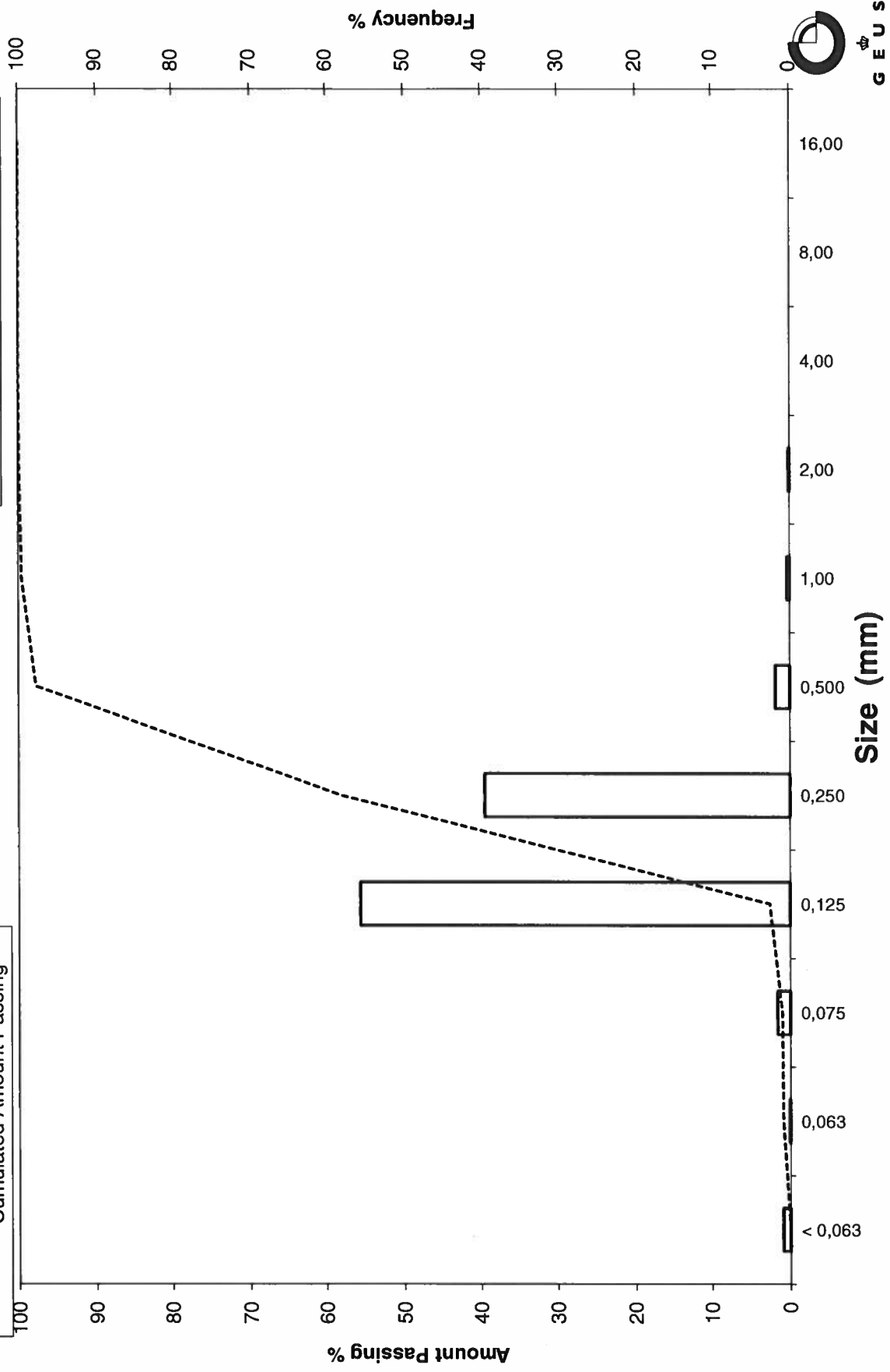
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: JAM 44, 0-100

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** JAM 46, 0-200  
**Lab. Id:** 200437  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** >8mm består af skaller  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 97,43 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,45   | 0,46   | 99,54                    |
| 4,00    | -2,00  | 0,00   | 0,00   | 99,54                    |
| 2,00    | -1,00  | 0,27   | 0,28   | 99,26                    |
| 1,00    | 0,00   | 0,85   | 0,87   | 98,39                    |
| 0,500   | 1,00   | 4,00   | 4,11   | 94,28                    |
| 0,250   | 2,00   | 42,23  | 43,34  | 50,94                    |
| 0,125   | 3,00   | 47,83  | 49,09  | 1,85                     |
| 0,075   | 3,74   | 0,93   | 0,95   | 0,89                     |
| 0,063   | 3,99   | 0,11   | 0,11   | 0,78                     |
| < 0,063 | > 3,99 | 0,76   | 0,78   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,78     |
| Sand, fine (0,063 mm - 0,200 mm): | 50,16    |
| Sand, medium (0,2 mm - 0,6 mm):   | 45,30    |
| Sand, coarse (0,6 mm - 2 mm):     | 3,02     |
| Gravel (> 2 mm):                  | 0,74     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,54  | 0,90 |
| 16%             | 84%            | 0,33  | 1,60 |
| 25%             | 75%            | 0,31  | 1,70 |
| 40%             | 60%            | 0,27  | 1,88 |
| Median 50%      | 50%            | 0,18  | 2,48 |
| 75%             | 25%            | 0,15  | 2,73 |
| 84%             | 16%            | 0,14  | 2,83 |
| 90%             | 10%            | 0,13  | 2,90 |
| 95%             | 5%             | 0,13  | 2,96 |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 2,30  |
| Sorting                | 0,62  |
| Skewness               | -0,49 |
| Kurtosis               | 0,82  |
| Uniformity Coefficient | 2,03  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

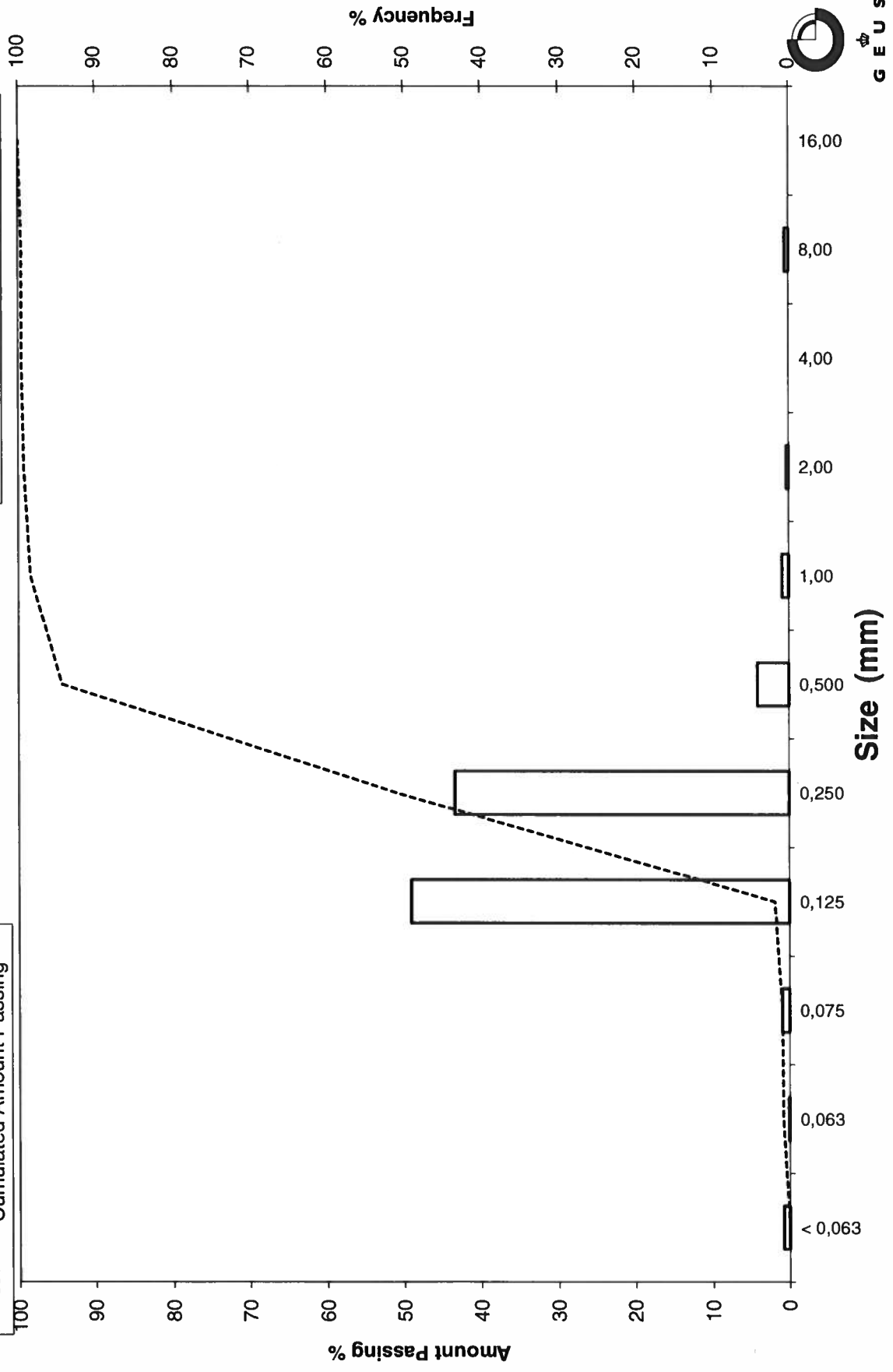
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Sample Id: JAM 46, 0-200

# Grain Size Distribution

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** JAM 48, 0-80  
**Lab. Id:** 200438  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** >4mm heraf 0,7 g skaller  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 104,09 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,13   | 0,12   | 99,88                    |
| 4,00    | -2,00  | 0,70   | 0,67   | 99,20                    |
| 2,00    | -1,00  | 1,50   | 1,44   | 97,76                    |
| 1,00    | 0,00   | 3,91   | 3,76   | 94,01                    |
| 0,500   | 1,00   | 11,40  | 10,95  | 83,05                    |
| 0,250   | 2,00   | 44,82  | 43,06  | 39,99                    |
| 0,125   | 3,00   | 18,05  | 17,34  | 22,65                    |
| 0,075   | 3,74   | 20,09  | 19,30  | 3,35                     |
| 0,063   | 3,99   | 0,85   | 0,82   | 2,54                     |
| < 0,063 | > 3,99 | 2,64   | 2,54   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 2,54     |
| Sand, fine (0,063 mm - 0,200 mm): | 37,46    |
| Sand, medium (0,2 mm - 0,6 mm):   | 48,27    |
| Sand, coarse (0,6 mm - 2 mm):     | 9,49     |
| Gravel (> 2 mm):                  | 2,24     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 1,11  | -0,15 |
| 16%             | 84%            | 0,52  | 0,95  |
| 25%             | 75%            | 0,34  | 1,58  |
| 40%             | 60%            | 0,30  | 1,74  |
| Median 50%      | 50%            | 0,27  | 1,87  |
| 75%             | 25%            | 0,13  | 2,92  |
| 84%             | 16%            | 0,08  | 3,56  |
| 90%             | 10%            | 0,08  | 3,64  |
| 95%             | 5%             | 0,08  | 3,71  |

### Moments Statistics

|                        |      |
|------------------------|------|
| Mean                   | 2,12 |
| Sorting                | 1,24 |
| Skewness               | 0,13 |
| Kurtosis               | 1,18 |
| Uniformity Coefficient | 3,73 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

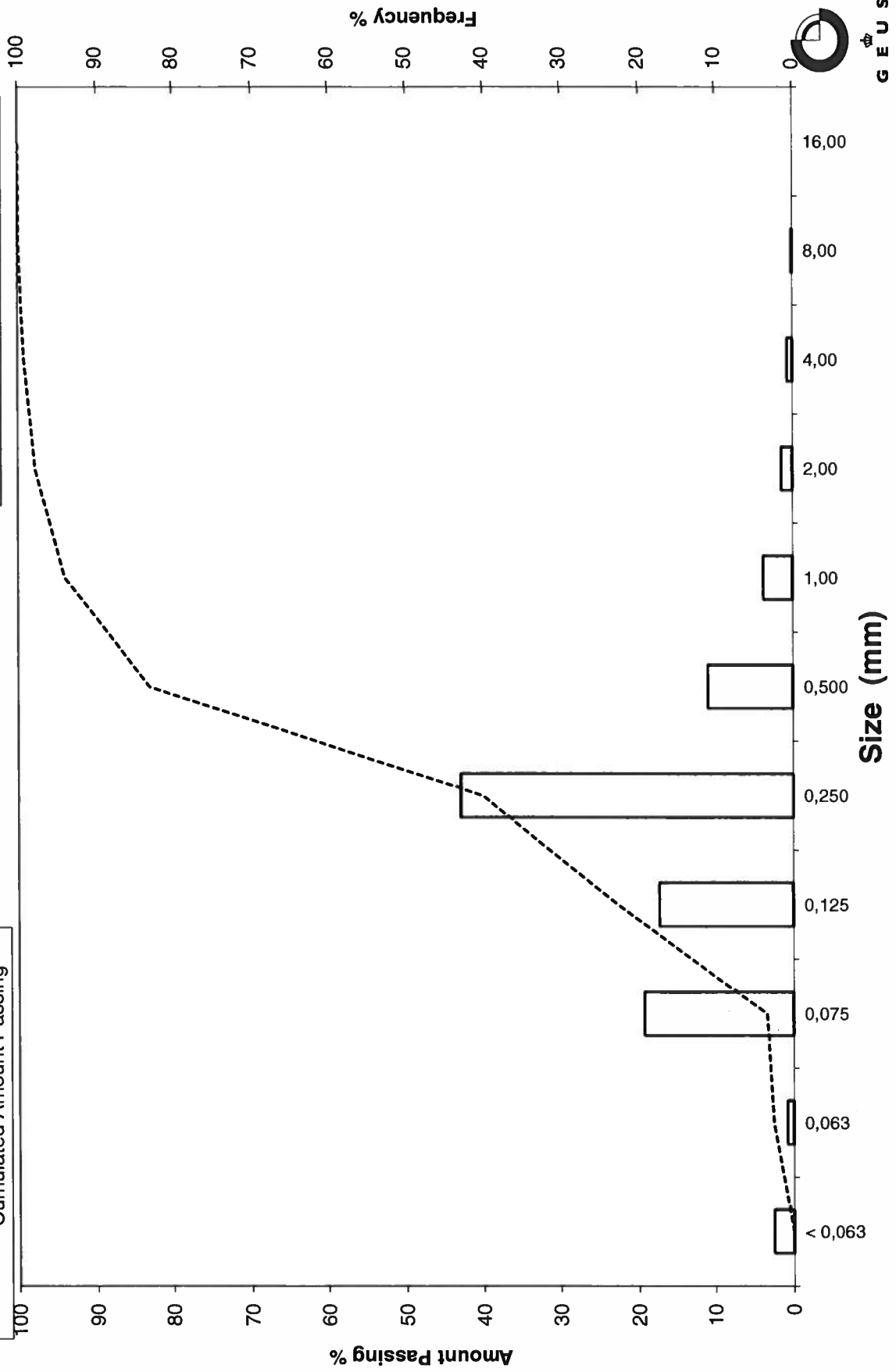
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Sample Id: JAM 48, 0-80

# Grain Size Distribution

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** JAM 50, 0-70  
**Lab. Id:** 200439  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** >2mm heraf 2,7 g skaller  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 179,17 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 4,19   | 2,34   | 97,66                    |
| 4,00    | -2,00  | 1,49   | 0,83   | 96,83                    |
| 2,00    | -1,00  | 5,71   | 3,19   | 93,64                    |
| 1,00    | 0,00   | 9,64   | 5,38   | 88,26                    |
| 0,500   | 1,00   | 31,33  | 17,48  | 70,78                    |
| 0,250   | 2,00   | 97,18  | 54,24  | 16,54                    |
| 0,125   | 3,00   | 27,35  | 15,26  | 1,28                     |
| 0,075   | 3,74   | 1,47   | 0,82   | 0,46                     |
| 0,063   | 3,99   | 0,00   | 0,00   | 0,46                     |
| < 0,063 | > 3,99 | 0,82   | 0,46   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,46     |
| Sand, fine (0,063 mm - 0,200 mm): | 16,08    |
| Sand, medium (0,2 mm - 0,6 mm):   | 62,57    |
| Sand, coarse (0,6 mm - 2 mm):     | 14,54    |
| Gravel (> 2 mm):                  | 6,36     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 2,34  | -1,23 |
| 16%             | 84%            | 0,66  | 0,60  |
| 25%             | 75%            | 0,55  | 0,86  |
| 40%             | 60%            | 0,33  | 1,58  |
| Median 50%      | 50%            | 0,31  | 1,67  |
| 75%             | 25%            | 0,27  | 1,91  |
| 84%             | 16%            | 0,18  | 2,49  |
| 90%             | 10%            | 0,16  | 2,68  |
| 95%             | 5%             | 0,14  | 2,85  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 1,59  |
| Sorting                | 1,09  |
| Skewness               | -0,27 |
| Kurtosis               | 1,60  |
| Uniformity Coefficient | 2,14  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

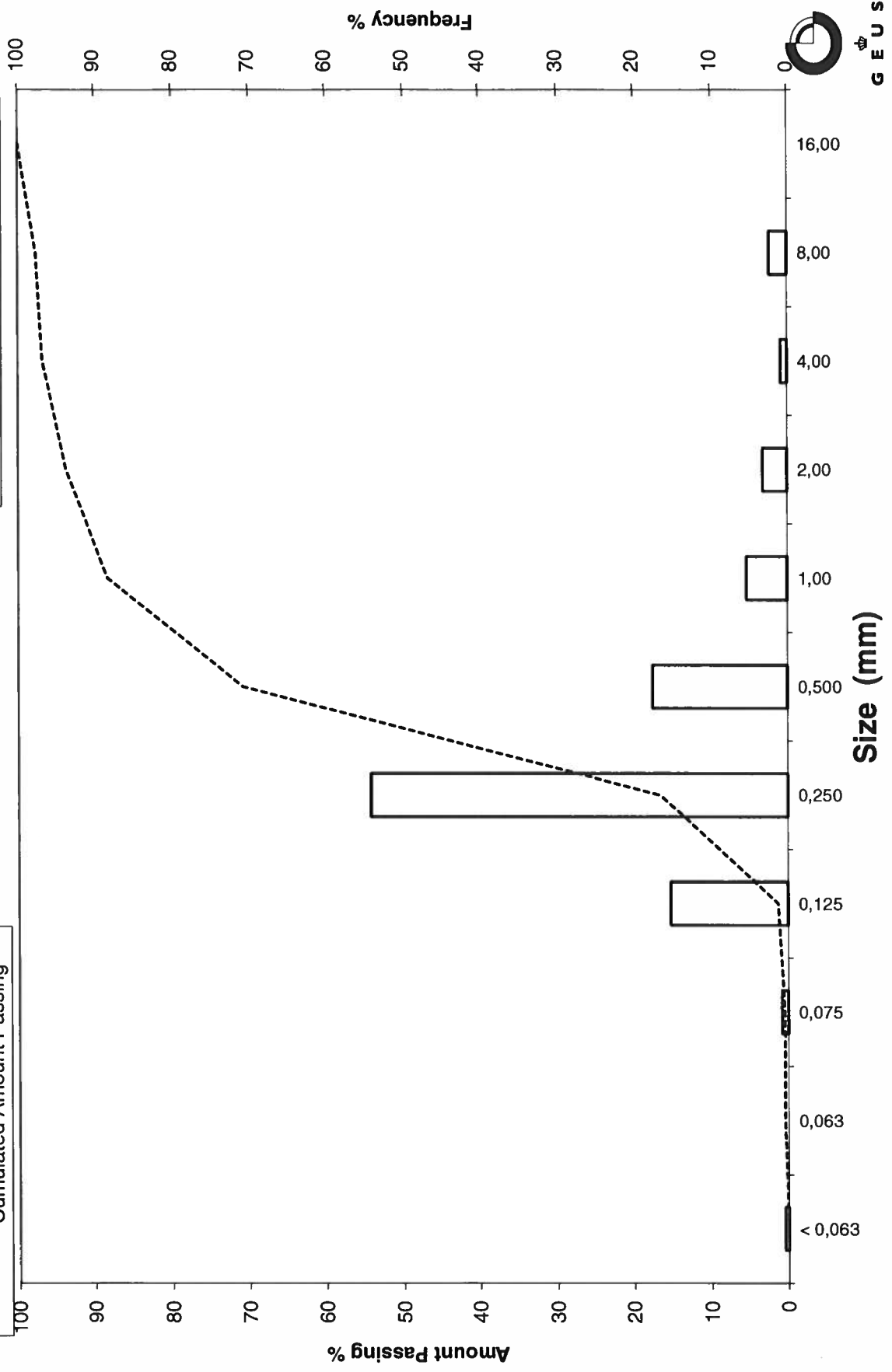
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: JAM 50, 0-70

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** JAM 52, 0-35  
**Lab. Id:** 200440  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >2mm heraf 2 g skaller



**Total Weight** 105,41 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 1,42   | 1,35   | 98,65                    |
| 4,00    | -2,00  | 0,42   | 0,40   | 98,25                    |
| 2,00    | -1,00  | 0,54   | 0,51   | 97,74                    |
| 1,00    | 0,00   | 0,64   | 0,61   | 97,13                    |
| 0,500   | 1,00   | 3,93   | 3,73   | 93,41                    |
| 0,250   | 2,00   | 61,65  | 58,49  | 34,92                    |
| 0,125   | 3,00   | 32,23  | 30,58  | 4,34                     |
| 0,075   | 3,74   | 3,75   | 3,56   | 0,79                     |
| 0,063   | 3,99   | 0,05   | 0,05   | 0,74                     |
| < 0,063 | > 3,99 | 0,78   | 0,74   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,74     |
| Sand, fine (0,063 mm - 0,200 mm): | 34,18    |
| Sand, medium (0,2 mm - 0,6 mm):   | 60,26    |
| Sand, coarse (0,6 mm - 2 mm):     | 2,56     |
| Gravel (> 2 mm):                  | 2,26     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,59  | 0,76 |
| 16%             | 84%            | 0,34  | 1,56 |
| 25%             | 75%            | 0,32  | 1,64 |
| 40%             | 60%            | 0,30  | 1,76 |
| Median 50%      | 50%            | 0,28  | 1,85 |
| 75%             | 25%            | 0,16  | 2,62 |
| 84%             | 16%            | 0,15  | 2,78 |
| 90%             | 10%            | 0,14  | 2,89 |
| 95%             | 5%             | 0,13  | 2,99 |

### Moments Statistics

|                        |      |
|------------------------|------|
| Mean                   | 2,06 |
| Sorting                | 0,64 |
| Skewness               | 0,27 |
| Kurtosis               | 0,92 |
| Uniformity Coefficient | 2,18 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

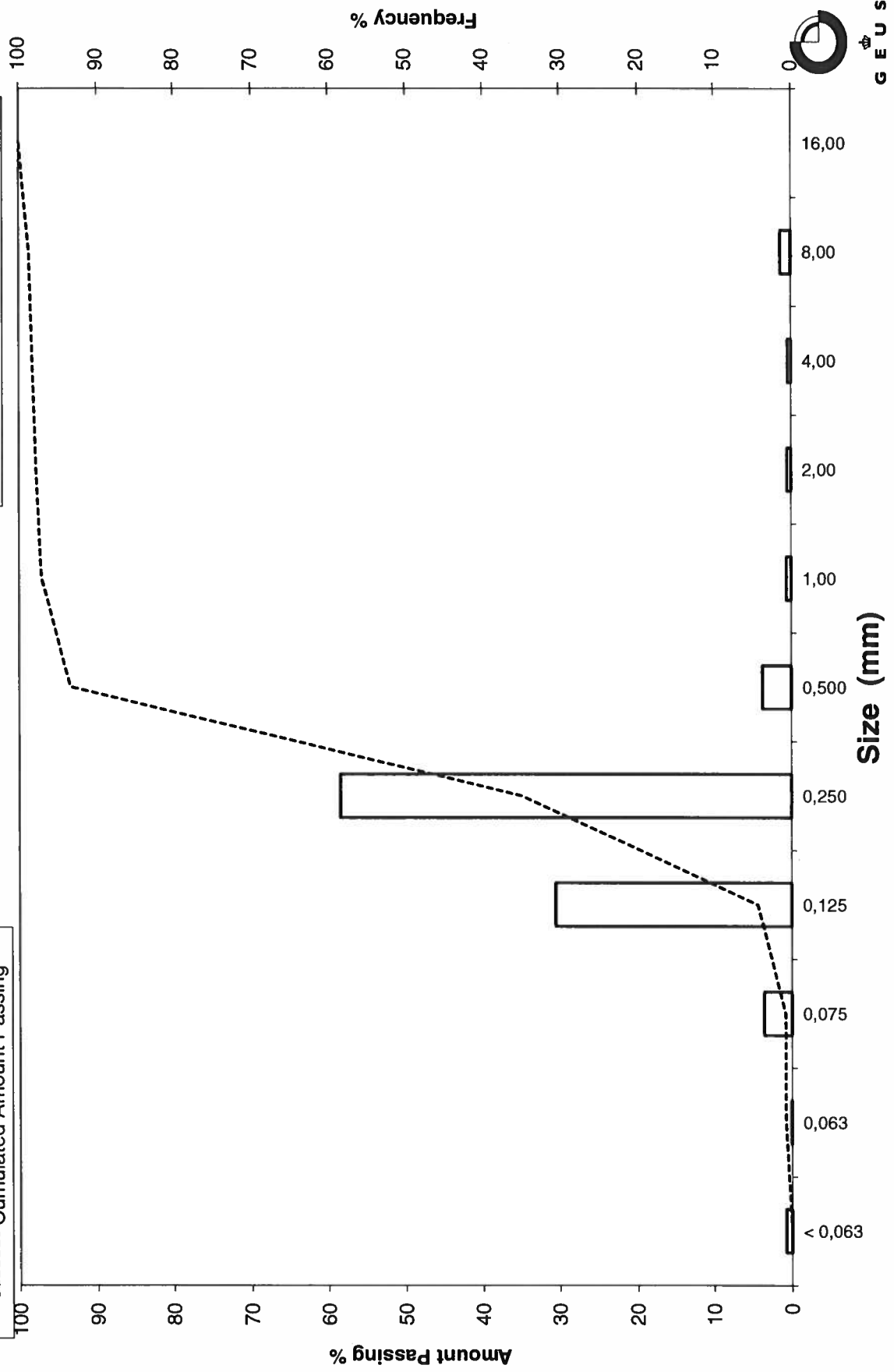
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: JAM 52, 0-35

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** JAM 55, 0-120  
**Lab. Id:** 200441  
**Projekt:** MST Råstøfkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 96,61 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,00   | 0,00   | 100,00                   |
| 2,00    | -1,00  | 0,02   | 0,02   | 99,98                    |
| 1,00    | 0,00   | 0,18   | 0,19   | 99,79                    |
| 0,500   | 1,00   | 0,66   | 0,68   | 99,11                    |
| 0,250   | 2,00   | 4,06   | 4,20   | 94,91                    |
| 0,125   | 3,00   | 54,31  | 56,22  | 38,69                    |
| 0,075   | 3,74   | 32,49  | 33,63  | 5,06                     |
| 0,063   | 3,99   | 1,08   | 1,12   | 3,94                     |
| < 0,063 | > 3,99 | 3,81   | 3,94   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 3,94     |
| Sand, fine (0,063 mm - 0,200 mm): | 90,96    |
| Sand, medium (0,2 mm - 0,6 mm):   | 4,53     |
| Sand, coarse (0,6 mm - 2 mm):     | 0,54     |
| Gravel (> 2 mm):                  | 0,02     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,25  | 1,99 |
| 16%             | 84%            | 0,17  | 2,56 |
| 25%             | 75%            | 0,16  | 2,64 |
| 40%             | 60%            | 0,15  | 2,78 |
| Median 50%      | 50%            | 0,14  | 2,88 |
| 75%             | 25%            | 0,08  | 3,58 |
| 84%             | 16%            | 0,08  | 3,65 |
| 90%             | 10%            | 0,08  | 3,70 |
| 95%             | 5%             | 0,07  | 3,75 |

### Moments Statistics

|                        |      |
|------------------------|------|
| Mean                   | 3,03 |
| Sorting                | 0,54 |
| Skewness               | 0,20 |
| Kurtosis               | 0,77 |
| Uniformity Coefficient | 1,89 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

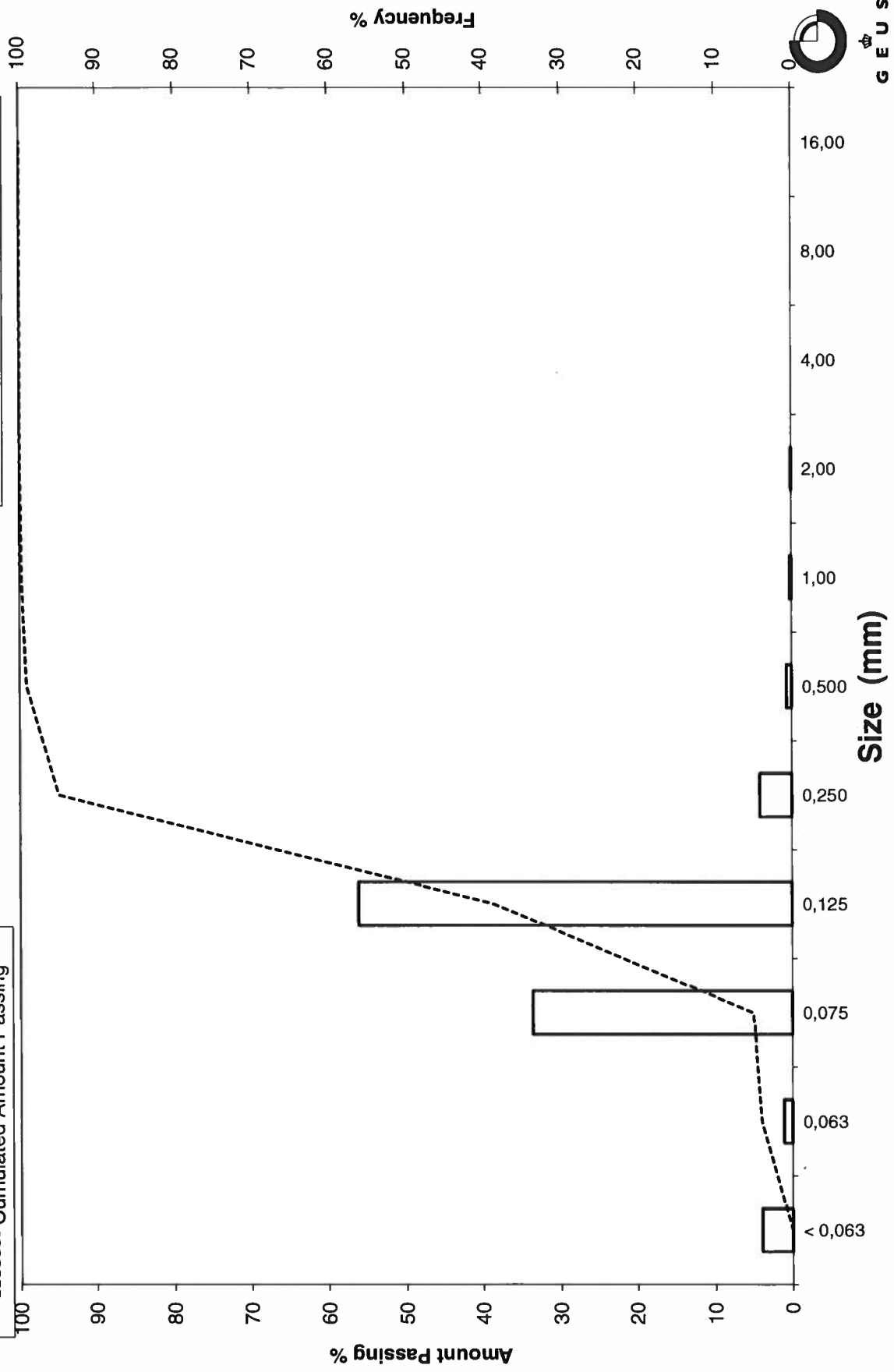
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Sample Id: JAM 55, 0-120

# Grain Size Distribution

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** JAM 56, 0-300  
**Lab. Id:** 200442  
**Project:** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 92,89 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,00   | 0,00   | 100,00                   |
| 2,00    | -1,00  | 0,00   | 0,00   | 100,00                   |
| 1,00    | 0,00   | 0,06   | 0,06   | 99,94                    |
| 0,500   | 1,00   | 0,10   | 0,11   | 99,83                    |
| 0,250   | 2,00   | 1,00   | 1,08   | 98,75                    |
| 0,125   | 3,00   | 30,65  | 33,00  | 65,76                    |
| 0,075   | 3,74   | 57,27  | 61,65  | 4,10                     |
| 0,063   | 3,99   | 1,13   | 1,22   | 2,89                     |
| < 0,063 | > 3,99 | 2,68   | 2,89   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 2,89     |
| Sand, fine (0,063 mm - 0,200 mm): | 95,87    |
| Sand, medium (0,2 mm - 0,6 mm):   | 1,13     |
| Sand, coarse (0,6 mm - 2 mm):     | 0,12     |
| Gravel (> 2 mm):                  | 0,00     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,17  | 2,52 |
| 16%             | 84%            | 0,16  | 2,69 |
| 25%             | 75%            | 0,14  | 2,83 |
| 40%             | 60%            | 0,09  | 3,50 |
| Median 50%      | 50%            | 0,09  | 3,54 |
| 75%             | 25%            | 0,08  | 3,64 |
| 84%             | 16%            | 0,08  | 3,68 |
| 90%             | 10%            | 0,08  | 3,71 |
| 95%             | 5%             | 0,08  | 3,73 |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 3,30  |
| Sorting                | 0,43  |
| Skewness               | -0,69 |
| Kurtosis               | 0,61  |
| Uniformity Coefficient | 1,16  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgg-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

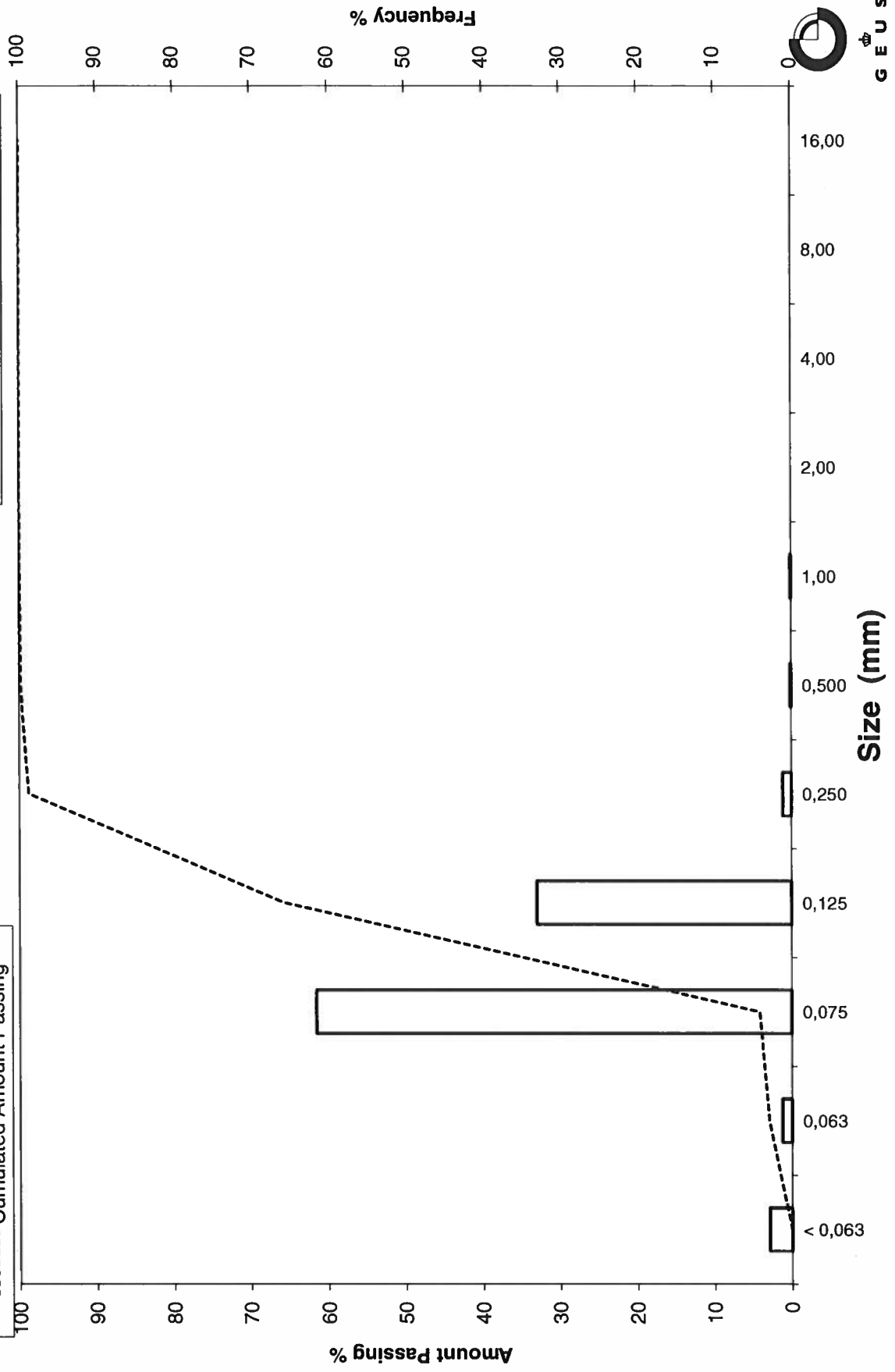
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Sample Id: JAM 56, 0-300

# Grain Size Distribution

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** JAM 57, 0-100  
**Lab. Id:** 200443  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >16mm heraf 158 g >32mm



**Total Weight** 1302,11 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 391,60 | 30,07  | 69,93                    |
| 8,00    | -3,00  | 154,49 | 11,86  | 58,06                    |
| 4,00    | -2,00  | 100,51 | 7,72   | 50,34                    |
| 2,00    | -1,00  | 45,35  | 3,48   | 46,86                    |
| 1,00    | 0,00   | 34,06  | 2,62   | 44,24                    |
| 0,500   | 1,00   | 78,23  | 6,01   | 38,24                    |
| 0,250   | 2,00   | 174,55 | 13,40  | 24,83                    |
| 0,125   | 3,00   | 289,59 | 22,24  | 2,59                     |
| 0,075   | 3,74   | 27,97  | 2,15   | 0,44                     |
| 0,063   | 3,99   | 0,95   | 0,07   | 0,37                     |
| < 0,063 | > 3,99 | 4,82   | 0,37   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,37     |
| Sand, fine (0,063 mm - 0,200 mm): | 24,46    |
| Sand, medium (0,2 mm - 0,6 mm):   | 16,27    |
| Sand, coarse (0,6 mm - 2 mm):     | 5,76     |
| Gravel (> 2 mm):                  | 53,14    |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | ----- | ----- |
| 16%             | 84%            | ----- | ----- |
| 25%             | 75%            | ----- | ----- |
| 40%             | 60%            | 9,31  | -3,22 |
| Median 50%      | 50%            | 2,72  | -1,44 |
| 75%             | 25%            | 0,25  | 1,99  |
| 84%             | 16%            | 0,16  | 2,66  |
| 90%             | 10%            | 0,14  | 2,80  |
| 95%             | 5%             | 0,13  | 2,93  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 0,61  |
| Sorting                | ----- |
| Skewness               | ----- |
| Kurtosis               | ----- |
| Uniformity Coefficient | 64,94 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

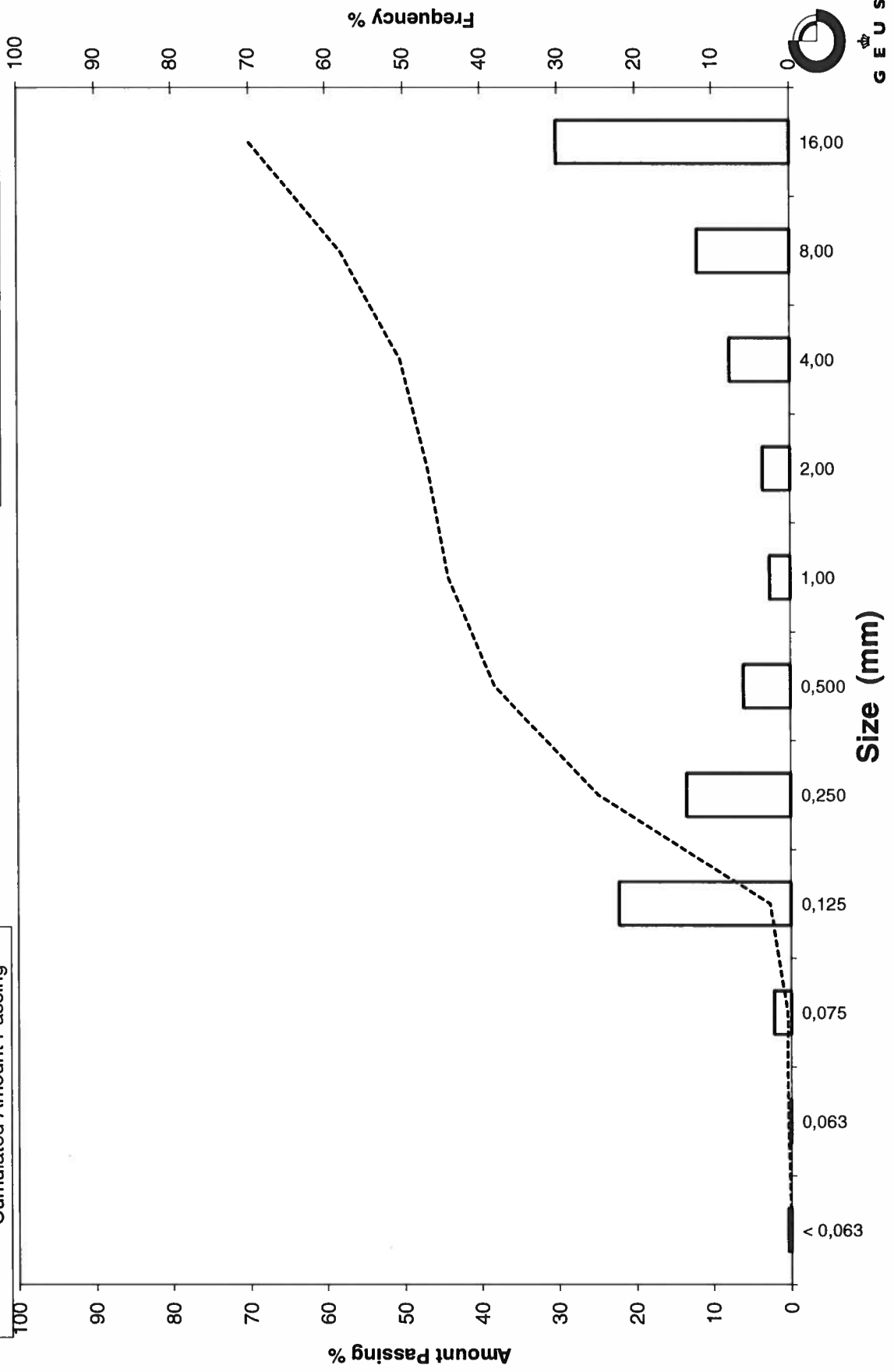
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: JAM 57, 0-100

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** JAM 61, 0-90  
**Lab. Id:** 200444  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >8mm heraf 1,5 g skaller



**Total Weight** 790,93 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 37,05  | 4,68   | 95,32                    |
| 4,00    | -2,00  | 54,63  | 6,91   | 88,41                    |
| 2,00    | -1,00  | 42,57  | 5,38   | 83,03                    |
| 1,00    | 0,00   | 50,35  | 6,37   | 76,66                    |
| 0,500   | 1,00   | 163,97 | 20,73  | 55,93                    |
| 0,250   | 2,00   | 391,45 | 49,49  | 6,44                     |
| 0,125   | 3,00   | 46,07  | 5,83   | 0,61                     |
| 0,075   | 3,74   | 1,71   | 0,22   | 0,39                     |
| 0,063   | 3,99   | 0,00   | 0,00   | 0,39                     |
| < 0,063 | > 3,99 | 3,11   | 0,39   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,39     |
| Sand, fine (0,063 mm - 0,200 mm): | 6,04     |
| Sand, medium (0,2 mm - 0,6 mm):   | 59,37    |
| Sand, coarse (0,6 mm - 2 mm):     | 17,23    |
| Gravel (> 2 mm):                  | 16,97    |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 7,82  | -2,97 |
| 16%             | 84%            | 2,14  | -1,10 |
| 25%             | 75%            | 0,69  | 0,53  |
| 40%             | 60%            | 0,54  | 0,89  |
| Median 50%      | 50%            | 0,34  | 1,55  |
| 75%             | 25%            | 0,29  | 1,79  |
| 84%             | 16%            | 0,27  | 1,89  |
| 90%             | 10%            | 0,26  | 1,96  |
| 95%             | 5%             | 0,17  | 2,59  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 0,78  |
| Sorting                | 1,59  |
| Skewness               | -0,70 |
| Kurtosis               | 1,81  |
| Uniformity Coefficient | 2,10  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

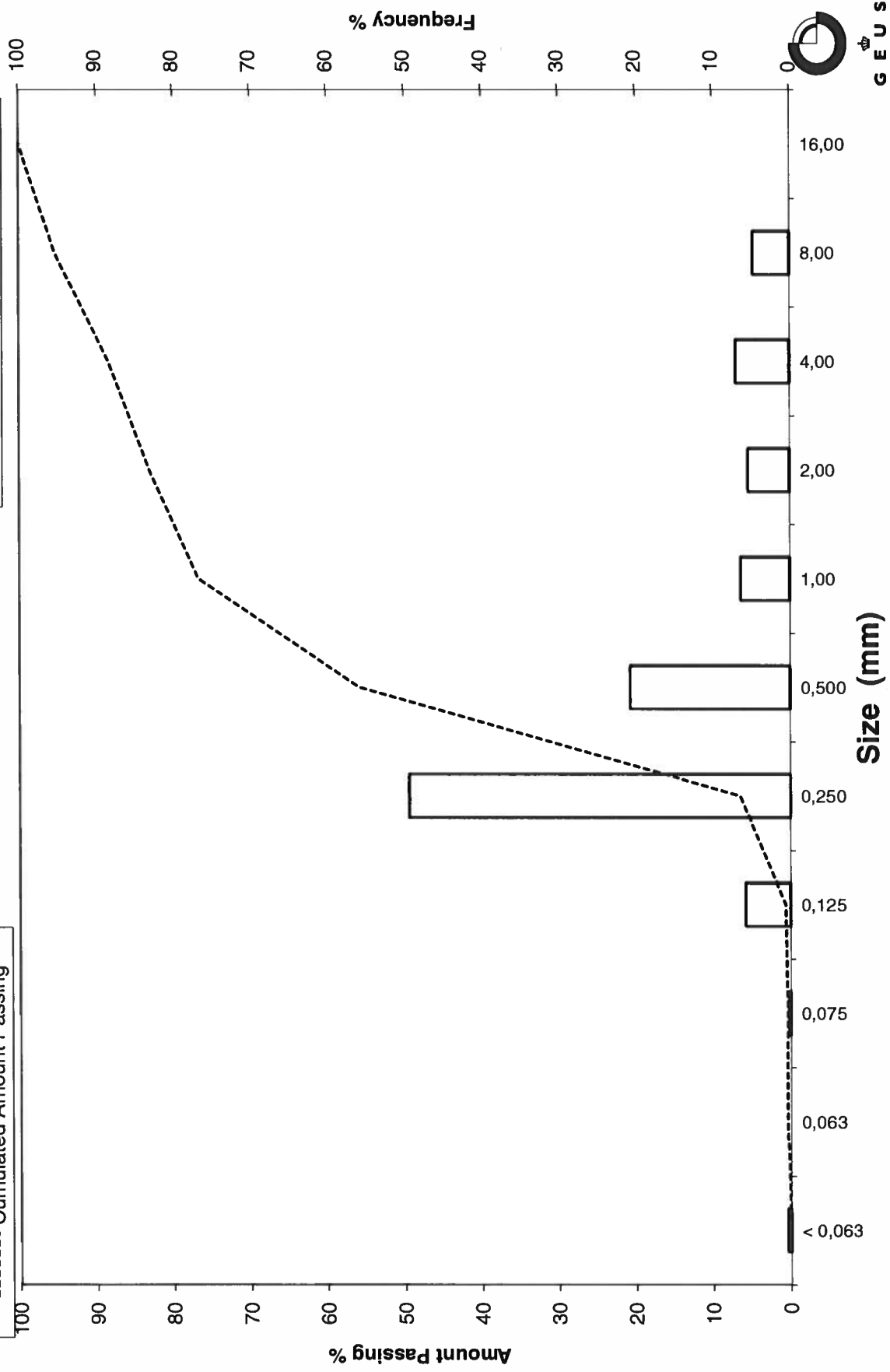
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: JAM 61, 0-90

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** JAM 61, 100-300  
**Lab. Id:** 200445  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 98,5 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,73   | 0,74   | 99,26                    |
| 2,00    | -1,00  | 1,41   | 1,43   | 97,83                    |
| 1,00    | 0,00   | 1,92   | 1,95   | 95,88                    |
| 0,500   | 1,00   | 15,86  | 16,10  | 79,78                    |
| 0,250   | 2,00   | 63,46  | 64,43  | 15,35                    |
| 0,125   | 3,00   | 13,18  | 13,38  | 1,97                     |
| 0,075   | 3,74   | 0,74   | 0,75   | 1,22                     |
| 0,063   | 3,99   | 0,08   | 0,08   | 1,14                     |
| < 0,063 | > 3,99 | 1,12   | 1,14   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 1,14     |
| Sand, fine (0,063 mm - 0,200 mm): | 14,21    |
| Sand, medium (0,2 mm - 0,6 mm):   | 72,09    |
| Sand, coarse (0,6 mm - 2 mm):     | 10,38    |
| Gravel (> 2 mm):                  | 2,17     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,70  | 0,52 |
| 16%             | 84%            | 0,56  | 0,85 |
| 25%             | 75%            | 0,35  | 1,53 |
| 40%             | 60%            | 0,32  | 1,63 |
| Median 50%      | 50%            | 0,31  | 1,71 |
| 75%             | 25%            | 0,27  | 1,91 |
| 84%             | 16%            | 0,25  | 1,99 |
| 90%             | 10%            | 0,16  | 2,66 |
| 95%             | 5%             | 0,14  | 2,86 |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 1,52  |
| Sorting                | 0,64  |
| Skewness               | -0,26 |
| Kurtosis               | 2,49  |
| Uniformity Coefficient | 2,04  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

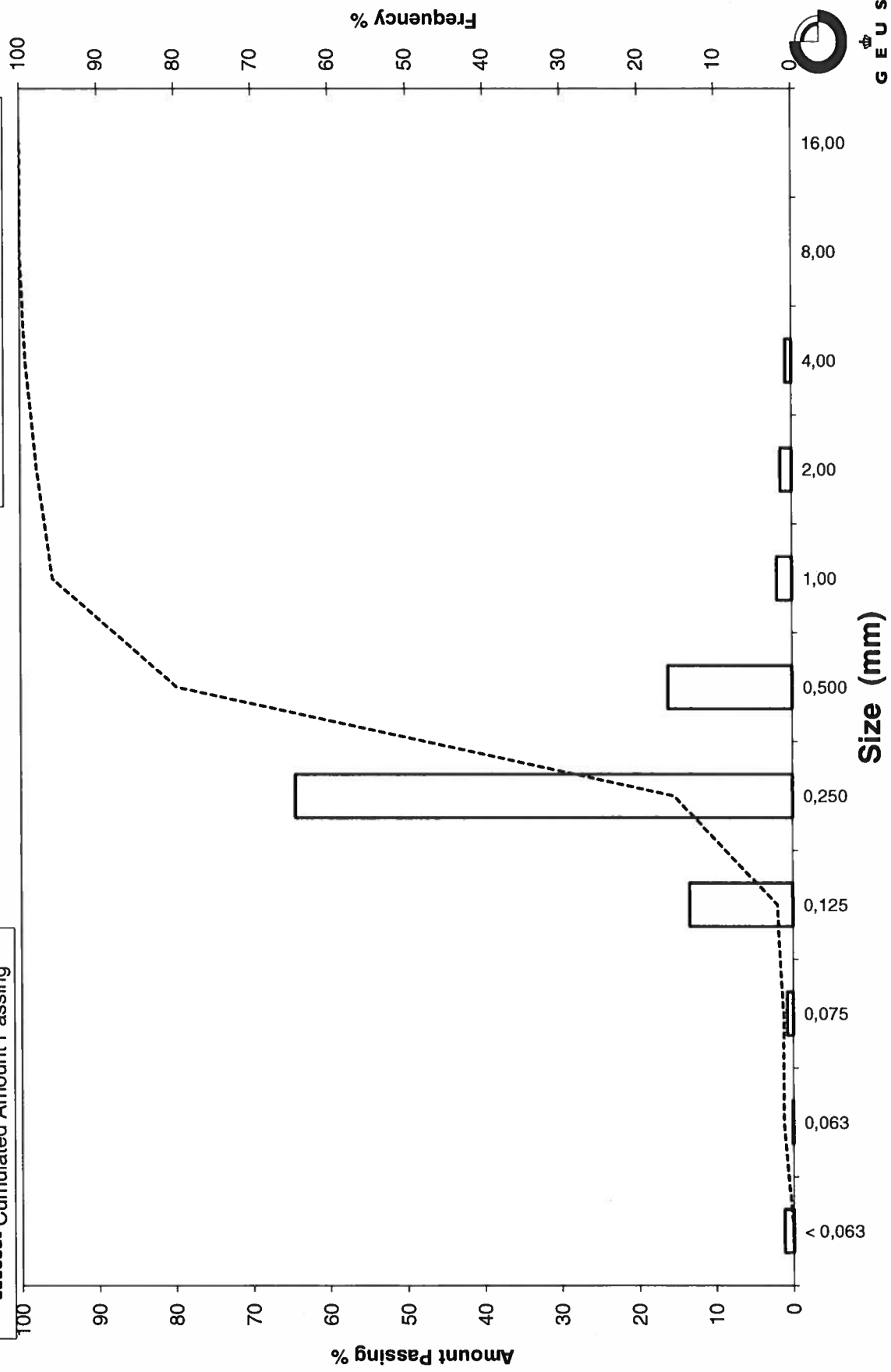
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Sample Id: JAM 61, 100-300

# Grain Size Distribution

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** JAM 62, 0-130  
**Lab. Id:** 200446  
**Projekt:** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 100,14 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,00   | 0,00   | 100,00                   |
| 2,00    | -1,00  | 0,10   | 0,10   | 99,90                    |
| 1,00    | 0,00   | 0,29   | 0,29   | 99,61                    |
| 0,500   | 1,00   | 1,67   | 1,67   | 97,94                    |
| 0,250   | 2,00   | 45,36  | 45,30  | 52,65                    |
| 0,125   | 3,00   | 49,61  | 49,54  | 3,11                     |
| 0,075   | 3,74   | 2,00   | 2,00   | 1,11                     |
| 0,063   | 3,99   | 0,10   | 0,10   | 1,01                     |
| < 0,063 | > 3,99 | 1,01   | 1,01   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 1,01     |
| Sand, fine (0,063 mm - 0,200 mm): | 51,64    |
| Sand, medium (0,2 mm - 0,6 mm):   | 46,09    |
| Sand, coarse (0,6 mm - 2 mm):     | 1,16     |
| Gravel (> 2 mm):                  | 0,10     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,35  | 1,52 |
| 16%             | 84%            | 0,32  | 1,63 |
| 25%             | 75%            | 0,30  | 1,73 |
| 40%             | 60%            | 0,27  | 1,90 |
| Median 50%      | 50%            | 0,18  | 2,50 |
| 75%             | 25%            | 0,15  | 2,74 |
| 84%             | 16%            | 0,14  | 2,84 |
| 90%             | 10%            | 0,13  | 2,91 |
| 95%             | 5%             | 0,13  | 2,98 |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 2,32  |
| Sorting                | 0,52  |
| Skewness               | -0,39 |
| Kurtosis               | 0,59  |
| Uniformity Coefficient | 2,01  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

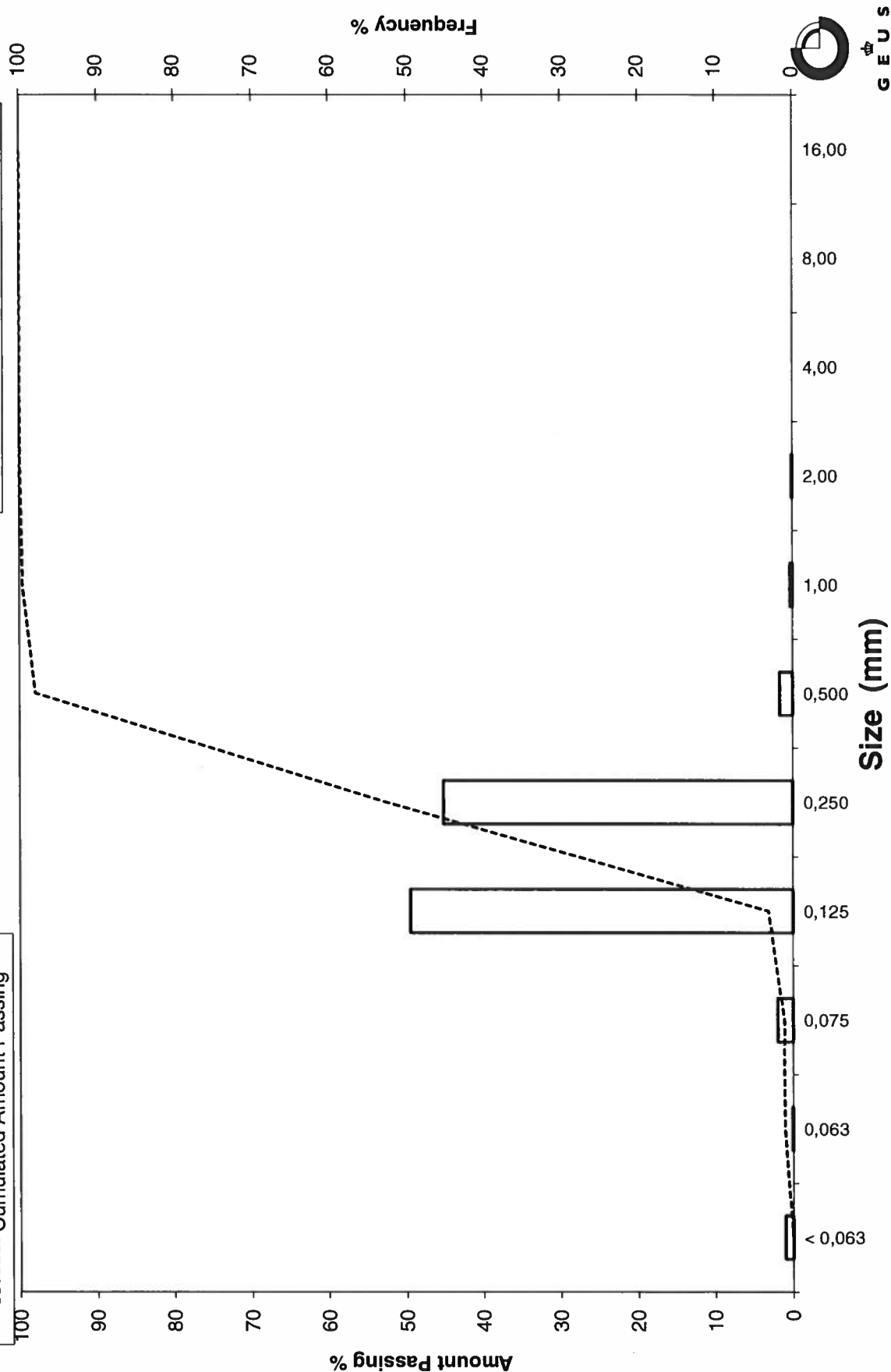
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Sample Id: JAM 62, 0-130

# Grain Size Distribution

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** JAM 65, 0-200  
**Lab. Id:** 200470  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 96,97 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,00   | 0,00   | 100,00                   |
| 2,00    | -1,00  | 0,09   | 0,09   | 99,91                    |
| 1,00    | 0,00   | 0,18   | 0,19   | 99,72                    |
| 0,500   | 1,00   | 0,31   | 0,32   | 99,40                    |
| 0,250   | 2,00   | 0,69   | 0,71   | 98,69                    |
| 0,125   | 3,00   | 17,33  | 17,87  | 80,82                    |
| 0,075   | 3,74   | 70,45  | 72,65  | 8,17                     |
| 0,063   | 3,99   | 2,48   | 2,56   | 5,61                     |
| < 0,063 | > 3,99 | 5,44   | 5,61   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 5,61     |
| Sand, fine (0,063 mm - 0,200 mm): | 93,08    |
| Sand, medium (0,2 mm - 0,6 mm):   | 0,86     |
| Sand, coarse (0,6 mm - 2 mm):     | 0,35     |
| Gravel (> 2 mm):                  | 0,09     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 0,17  | 2,57  |
| 16%             | 84%            | 0,13  | 2,89  |
| 25%             | 75%            | 0,09  | 3,49  |
| 40%             | 60%            | 0,09  | 3,54  |
| Median 50%      | 50%            | 0,08  | 3,58  |
| 75%             | 25%            | 0,08  | 3,67  |
| 84%             | 16%            | 0,08  | 3,71  |
| 90%             | 10%            | 0,08  | 3,73  |
| 95%             | 5%             | ----- | ----- |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 3,39  |
| Sorting                | ----- |
| Skewness               | ----- |
| Kurtosis               | ----- |
| Uniformity Coefficient | 1,14  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

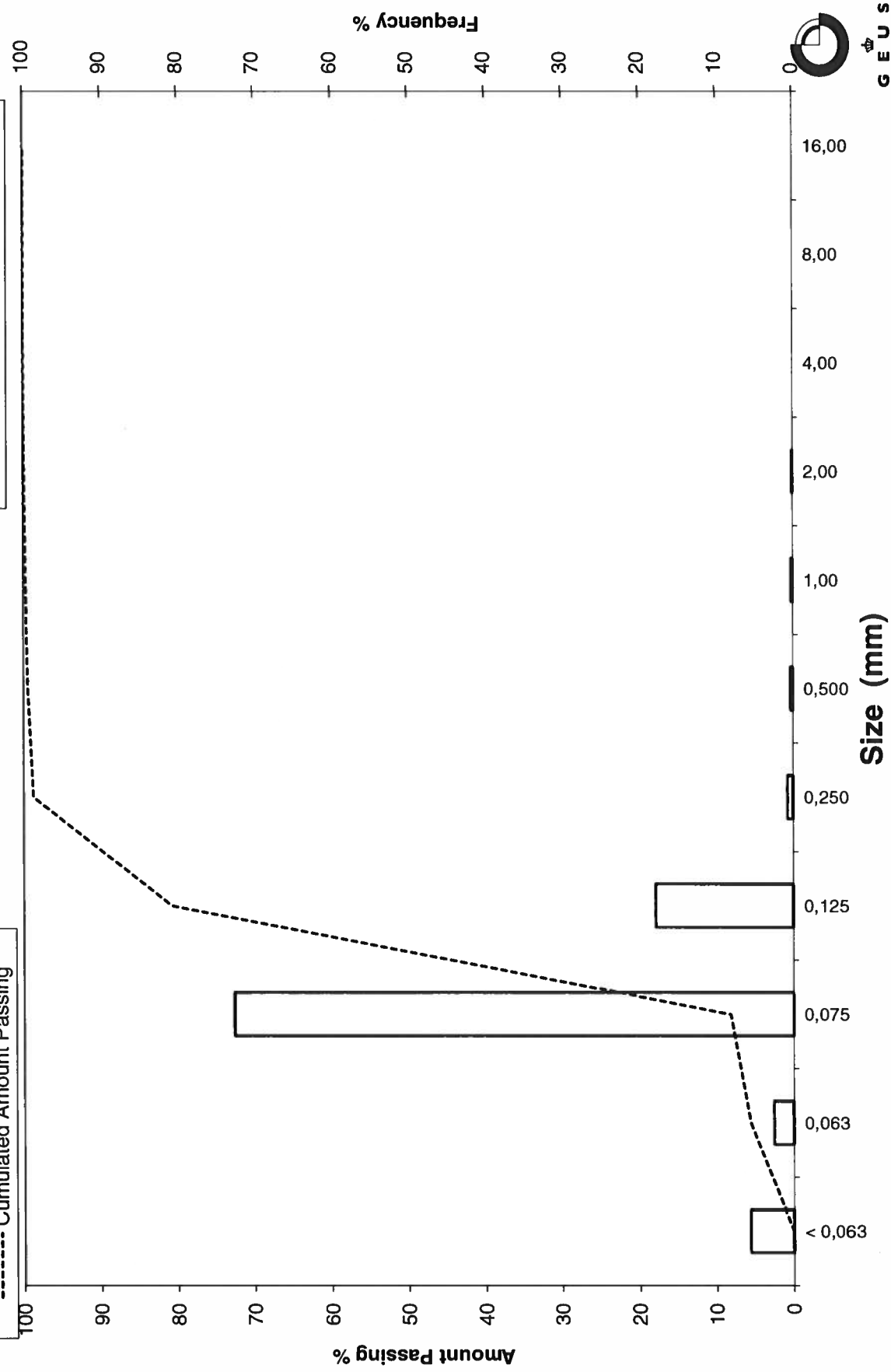
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Sample Id: JAM 65, 0-200

# Grain Size Distribution

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 03, 0-300  
**Lab. Id:** 200464  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >4mm består af skaller



**Total Weight** 101,43 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,08   | 0,08   | 99,92                    |
| 2,00    | -1,00  | 0,96   | 0,95   | 98,97                    |
| 1,00    | 0,00   | 3,78   | 3,73   | 95,25                    |
| 0,500   | 1,00   | 14,23  | 14,03  | 81,22                    |
| 0,250   | 2,00   | 54,74  | 53,97  | 27,25                    |
| 0,125   | 3,00   | 24,89  | 24,54  | 2,71                     |
| 0,075   | 3,74   | 1,30   | 1,28   | 1,43                     |
| 0,063   | 3,99   | 0,19   | 0,19   | 1,24                     |
| < 0,063 | > 3,99 | 1,26   | 1,24   | 0,00                     |

Gravel

Sand

Sieve Analysis

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 1,24     |
| Sand, fine (0,063 mm - 0,200 mm): | 26,01    |
| Sand, medium (0,2 mm - 0,6 mm):   | 60,65    |
| Sand, coarse (0,6 mm - 2 mm):     | 11,08    |
| Gravel (> 2 mm):                  | 1,03     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,71  | 0,50 |
| 16%             | 84%            | 0,54  | 0,88 |
| 25%             | 75%            | 0,34  | 1,54 |
| 40%             | 60%            | 0,31  | 1,67 |
| Median 50%      | 50%            | 0,29  | 1,76 |
| 75%             | 25%            | 0,17  | 2,51 |
| 84%             | 16%            | 0,15  | 2,69 |
| 90%             | 10%            | 0,14  | 2,82 |
| 95%             | 5%             | 0,13  | 2,94 |

### Moments Statistics

|                        |      |
|------------------------|------|
| Mean                   | 1,78 |
| Sorting                | 0,82 |
| Skewness               | 0,00 |
| Kurtosis               | 1,03 |
| Uniformity Coefficient | 2,22 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

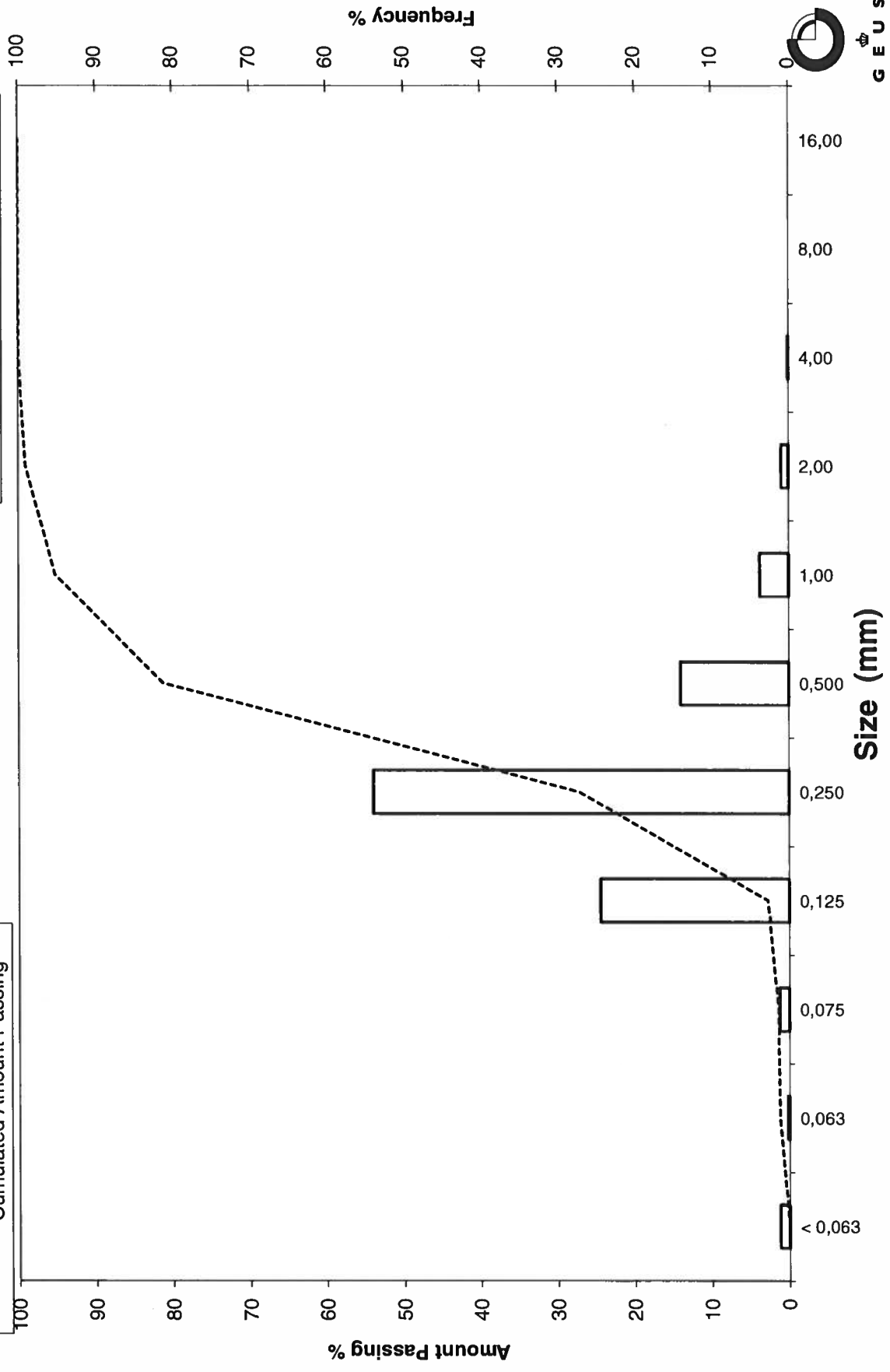
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: VKY 03, 0-300

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 13, 0-130  
**Lab. Id:** 200472  
**Projekt:** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >2mm består af skaller



**Total Weight** 96,99 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,00   | 0,00   | 100,00                   |
| 2,00    | -1,00  | 0,06   | 0,06   | 99,94                    |
| 1,00    | 0,00   | 0,22   | 0,23   | 99,71                    |
| 0,500   | 1,00   | 1,27   | 1,31   | 98,40                    |
| 0,250   | 2,00   | 16,44  | 16,95  | 81,45                    |
| 0,125   | 3,00   | 60,76  | 62,65  | 18,81                    |
| 0,075   | 3,74   | 12,75  | 13,15  | 5,66                     |
| 0,063   | 3,99   | 1,27   | 1,31   | 4,35                     |
| < 0,063 | > 3,99 | 4,22   | 4,35   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 4,35     |
| Sand, fine (0,063 mm - 0,200 mm): | 77,10    |
| Sand, medium (0,2 mm - 0,6 mm):   | 17,57    |
| Sand, coarse (0,6 mm - 2 mm):     | 0,91     |
| Gravel (> 2 mm):                  | 0,06     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,33  | 1,58 |
| 16%             | 84%            | 0,27  | 1,91 |
| 25%             | 75%            | 0,17  | 2,52 |
| 40%             | 60%            | 0,16  | 2,63 |
| Median 50%      | 50%            | 0,15  | 2,71 |
| 75%             | 25%            | 0,13  | 2,94 |
| 84%             | 16%            | 0,09  | 3,53 |
| 90%             | 10%            | 0,08  | 3,64 |
| 95%             | 5%             | 0,07  | 3,86 |

### Moments Statistics

|                        |      |
|------------------------|------|
| Mean                   | 2,72 |
| Sorting                | 0,75 |
| Skewness               | 0,01 |
| Kurtosis               | 2,23 |
| Uniformity Coefficient | 2,02 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

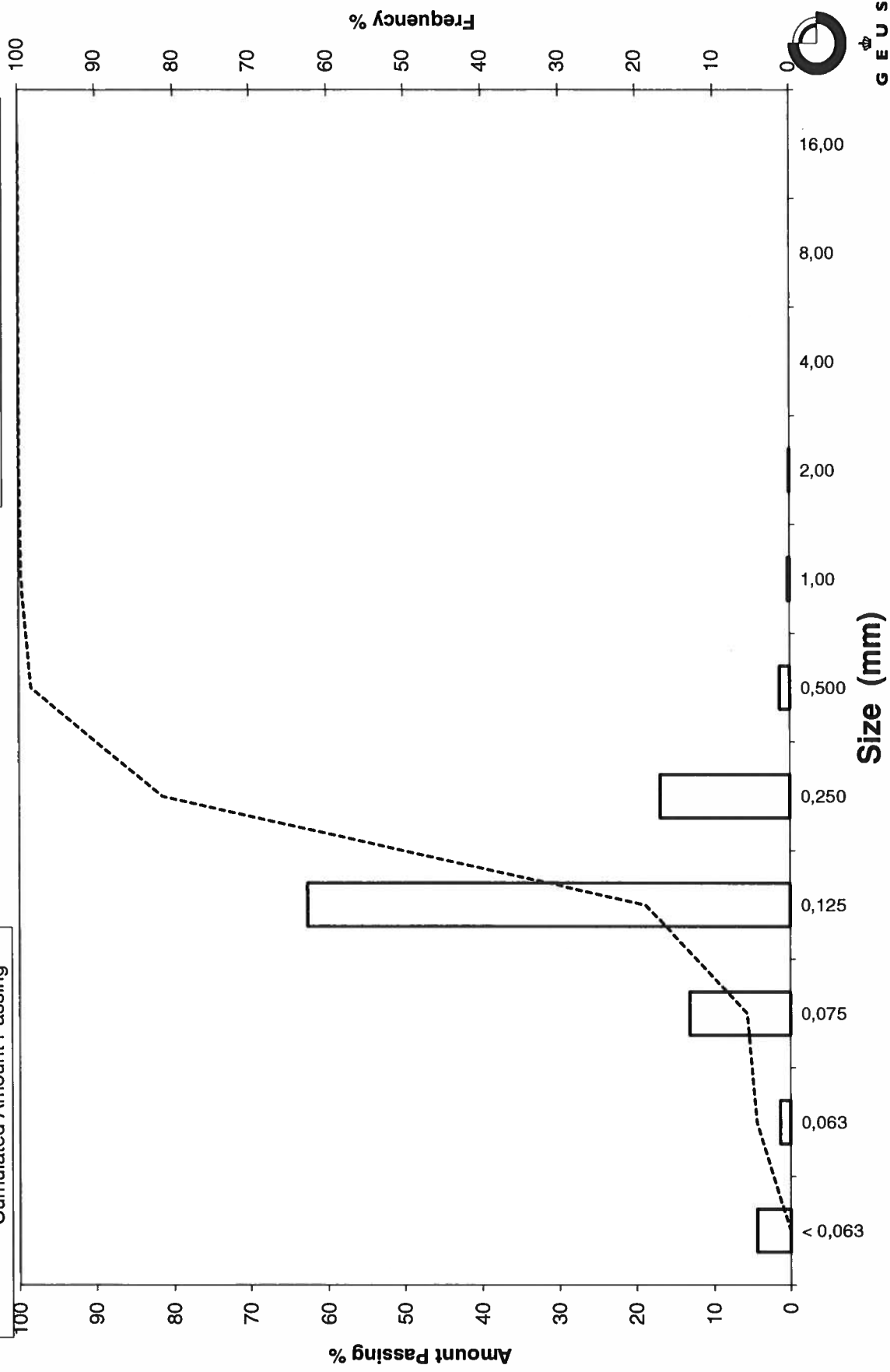
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: VKY 13, 0-130

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 14, 20-75  
**Lab. Id:** 200465  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 1083,58 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 95,00  | 8,77   | 91,23                    |
| 8,00    | -3,00  | 118,11 | 10,90  | 80,33                    |
| 4,00    | -2,00  | 60,01  | 5,54   | 74,79                    |
| 2,00    | -1,00  | 17,38  | 1,60   | 73,19                    |
| 1,00    | 0,00   | 26,99  | 2,49   | 70,70                    |
| 0,500   | 1,00   | 217,55 | 20,08  | 50,62                    |
| 0,250   | 2,00   | 370,14 | 34,16  | 16,46                    |
| 0,125   | 3,00   | 139,51 | 12,88  | 3,59                     |
| 0,075   | 3,74   | 17,11  | 1,58   | 2,01                     |
| 0,063   | 3,99   | 0,73   | 0,07   | 1,94                     |
| < 0,063 | > 3,99 | 21,04  | 1,94   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 1,94     |
| Sand, fine (0,063 mm - 0,200 mm): | 14,52    |
| Sand, medium (0,2 mm - 0,6 mm):   | 43,72    |
| Sand, coarse (0,6 mm - 2 mm):     | 13,01    |
| Gravel (> 2 mm):                  | 26,81    |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | ----- | ----- |
| 16%             | 84%            | 10,69 | -3,42 |
| 25%             | 75%            | 4,15  | -2,05 |
| 40%             | 60%            | 0,60  | 0,74  |
| Median 50%      | 50%            | 0,35  | 1,50  |
| 75%             | 25%            | 0,28  | 1,86  |
| 84%             | 16%            | 0,18  | 2,49  |
| 90%             | 10%            | 0,15  | 2,71  |
| 95%             | 5%             | 0,13  | 2,93  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 0,19  |
| Sorting                | ----- |
| Skewness               | ----- |
| Kurtosis               | ----- |
| Uniformity Coefficient | 3,92  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

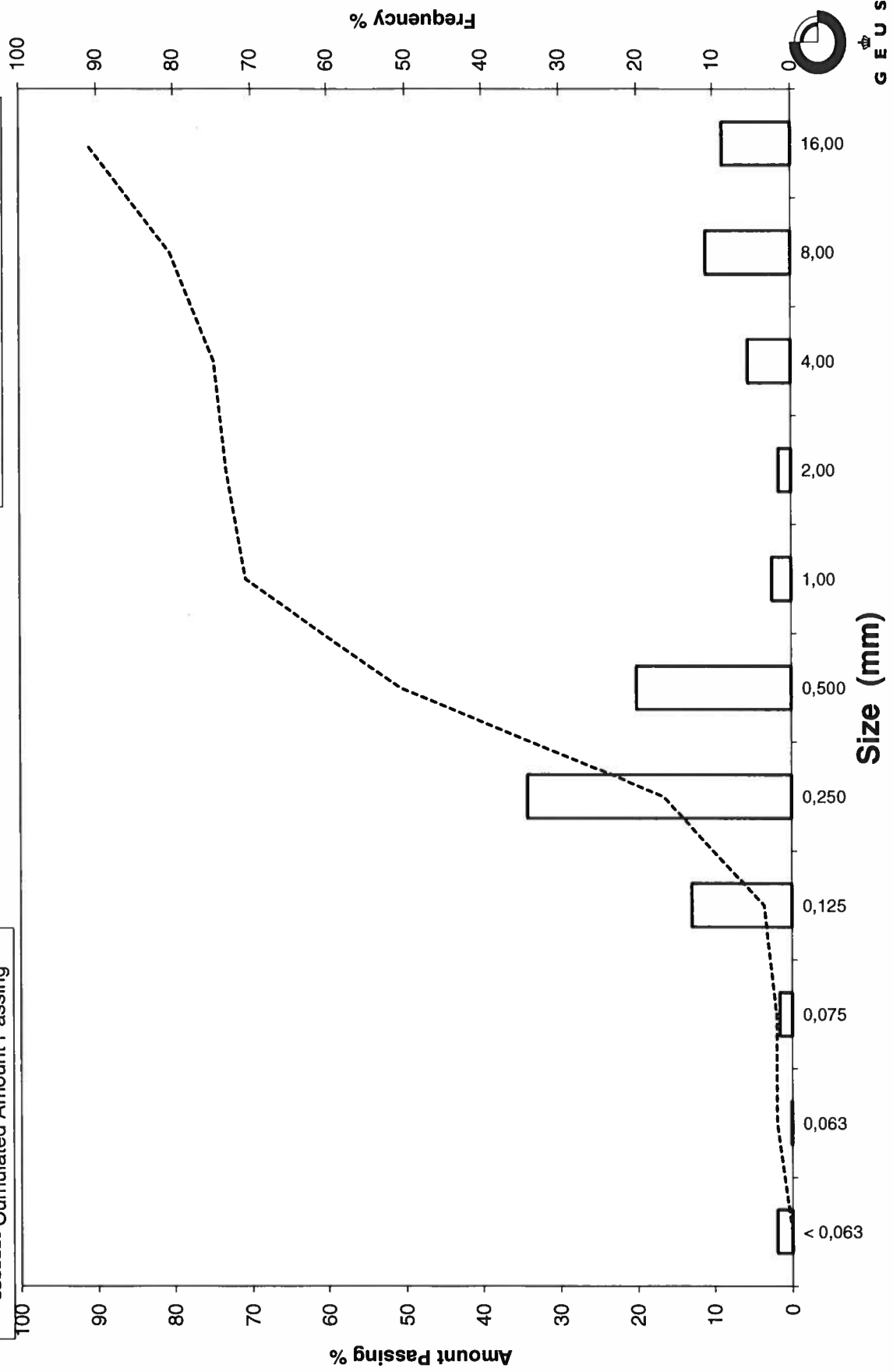
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# Grain Size Distribution

Sample Id: VKY 14, 20-75

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 18, 0-250  
**Lab. Id:** 200466  
**Projekt:** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >2mm består af skaller



**Total Weight** 100,39 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,01   | 0,01   | 99,99                    |
| 2,00    | -1,00  | 0,21   | 0,21   | 99,78                    |
| 1,00    | 0,00   | 0,55   | 0,55   | 99,23                    |
| 0,500   | 1,00   | 3,27   | 3,26   | 95,98                    |
| 0,250   | 2,00   | 12,58  | 12,53  | 83,44                    |
| 0,125   | 3,00   | 26,61  | 26,51  | 56,94                    |
| 0,075   | 3,74   | 43,33  | 43,16  | 13,78                    |
| 0,063   | 3,99   | 3,08   | 3,07   | 10,71                    |
| < 0,063 | > 3,99 | 10,75  | 10,71  | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 10,71    |
| Sand, fine (0,063 mm - 0,200 mm): | 72,74    |
| Sand, medium (0,2 mm - 0,6 mm):   | 14,08    |
| Sand, coarse (0,6 mm - 2 mm):     | 2,25     |
| Gravel (> 2 mm):                  | 0,22     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 0,35  | 1,53  |
| 16%             | 84%            | 0,25  | 1,97  |
| 25%             | 75%            | 0,16  | 2,62  |
| 40%             | 60%            | 0,13  | 2,93  |
| Median 50%      | 50%            | 0,09  | 3,51  |
| 75%             | 25%            | 0,08  | 3,66  |
| 84%             | 16%            | 0,08  | 3,72  |
| 90%             | 10%            | ----- | ----- |
| 95%             | 5%             | ----- | ----- |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 3,07  |
| Sorting                | ----- |
| Skewness               | ----- |
| Kurtosis               | ----- |
| Uniformity Coefficient | ----- |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

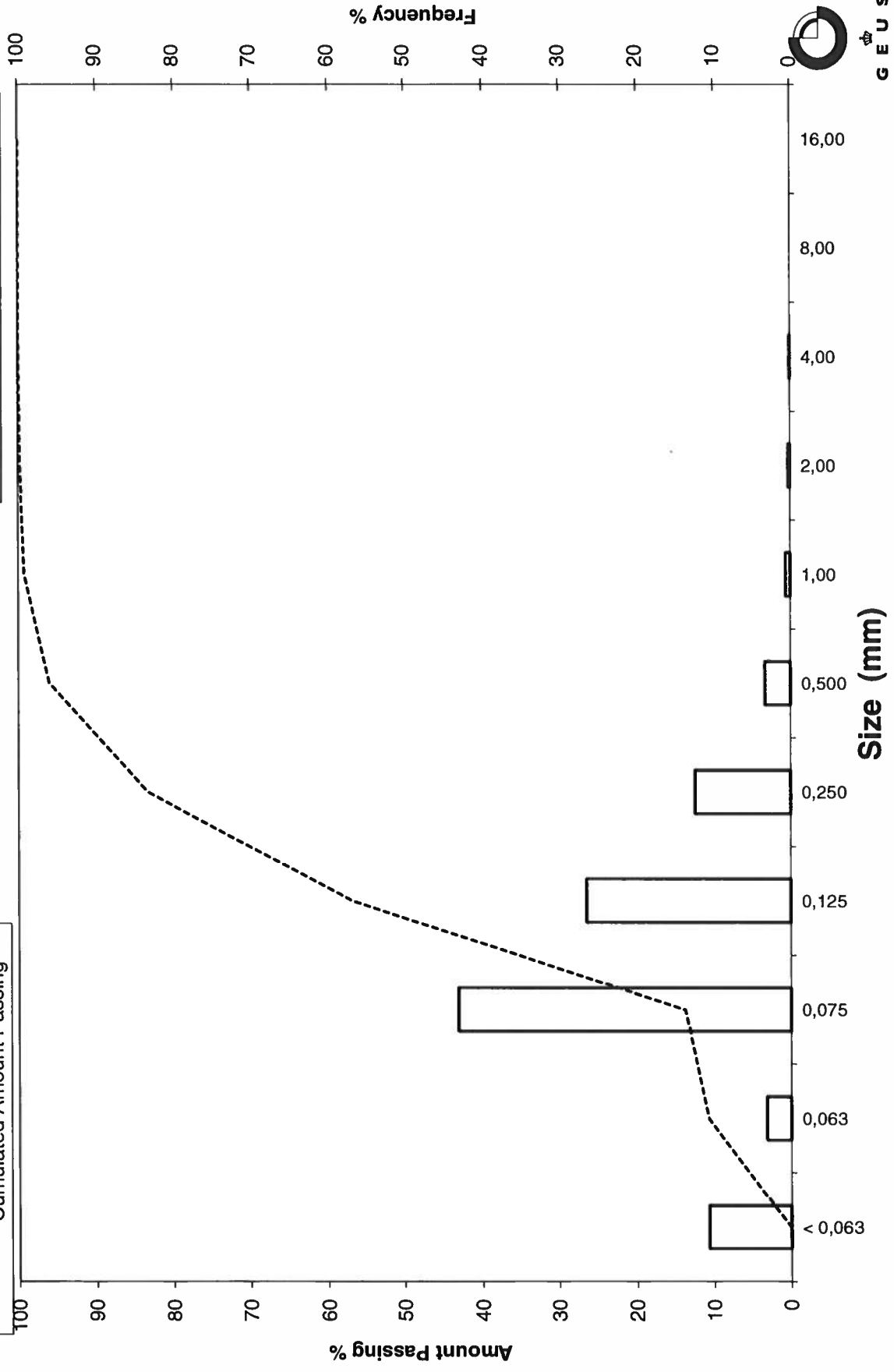
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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Sample Id: VKY 18, 0-250

# Grain Size Distribution

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 22, 300-360  
**Lab. Id:** 200473  
**Projekt:** MST Råstøf kortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 114,02 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 7,49   | 6,57   | 93,43                    |
| 8,00    | -3,00  | 2,30   | 2,02   | 91,41                    |
| 4,00    | -2,00  | 0,38   | 0,33   | 91,08                    |
| 2,00    | -1,00  | 1,21   | 1,06   | 90,02                    |
| 1,00    | 0,00   | 2,70   | 2,37   | 87,65                    |
| 0,500   | 1,00   | 20,24  | 17,75  | 69,90                    |
| 0,250   | 2,00   | 57,95  | 50,82  | 19,08                    |
| 0,125   | 3,00   | 19,39  | 17,01  | 2,07                     |
| 0,075   | 3,74   | 1,36   | 1,19   | 0,88                     |
| 0,063   | 3,99   | 0,09   | 0,08   | 0,80                     |
| < 0,063 | > 3,99 | 0,91   | 0,80   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,80     |
| Sand, fine (0,063 mm - 0,200 mm): | 18,28    |
| Sand, medium (0,2 mm - 0,6 mm):   | 59,28    |
| Sand, coarse (0,6 mm - 2 mm):     | 11,67    |
| Gravel (> 2 mm):                  | 9,98     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | ----- | ----- |
| 16%             | 84%            | 0,67  | 0,58  |
| 25%             | 75%            | 0,56  | 0,84  |
| 40%             | 60%            | 0,33  | 1,58  |
| Median 50%      | 50%            | 0,31  | 1,67  |
| 75%             | 25%            | 0,26  | 1,93  |
| 84%             | 16%            | 0,17  | 2,56  |
| 90%             | 10%            | 0,15  | 2,73  |
| 95%             | 5%             | 0,13  | 2,89  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 1,60  |
| Sorting                | ----- |
| Skewness               | ----- |
| Kurtosis               | ----- |
| Uniformity Coefficient | 2,22  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

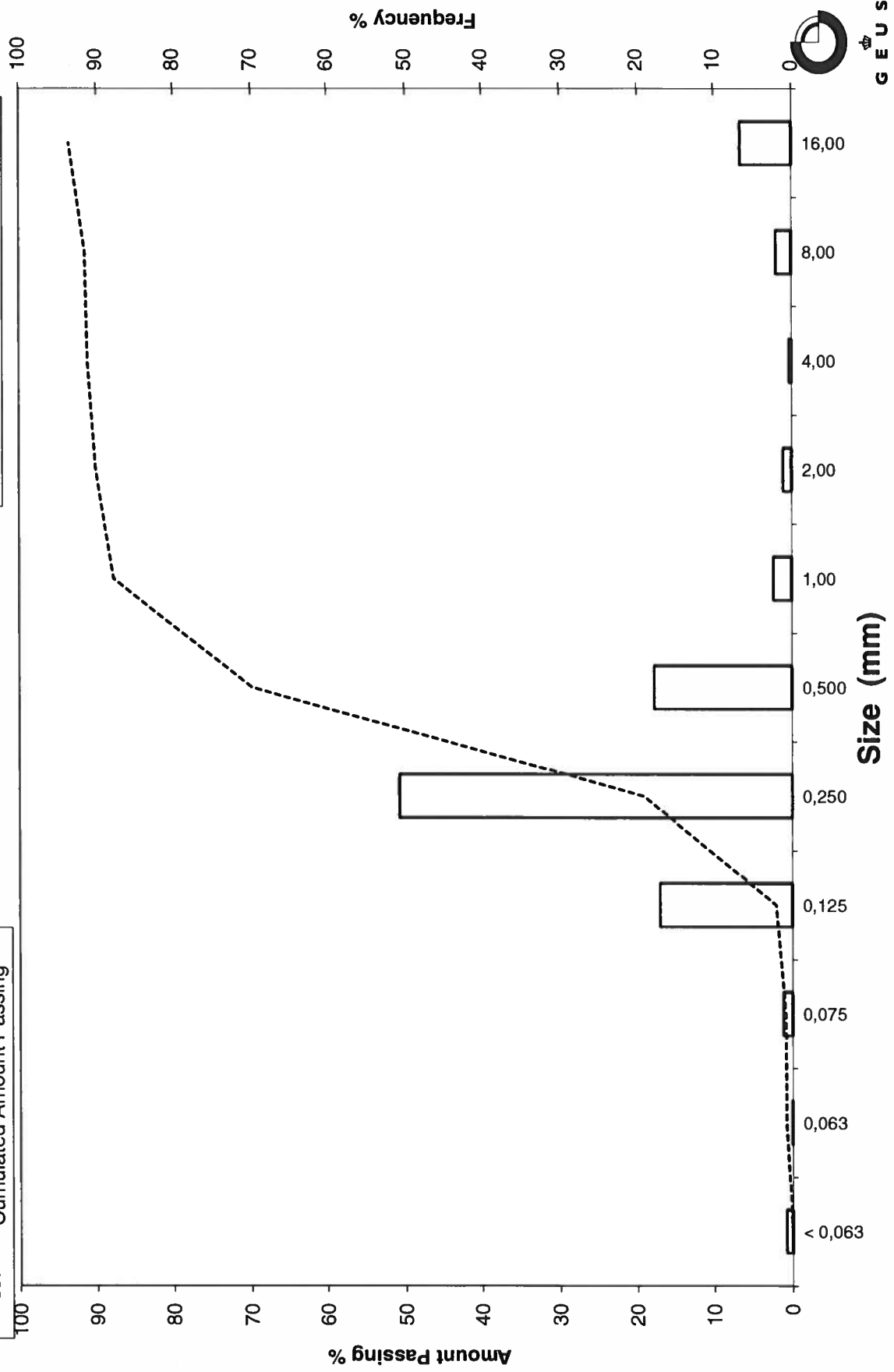
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: VKY 22, 300-360

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 23, 0-80  
**Lab. Id:** 200474  
**Projekt:** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >2mm består af skaller



**Total Weight** 93,02 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated<br>amount<br>passing |
|---------|--------|--------|--------|--------------------------------|
| mm      | Φ      | g      | %      | %                              |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                         |
| 8,00    | -3,00  | 0,24   | 0,26   | 99,74                          |
| 4,00    | -2,00  | 0,00   | 0,00   | 99,74                          |
| 2,00    | -1,00  | 0,23   | 0,25   | 99,49                          |
| 1,00    | 0,00   | 0,29   | 0,31   | 99,18                          |
| 0,500   | 1,00   | 3,09   | 3,32   | 95,86                          |
| 0,250   | 2,00   | 30,82  | 33,13  | 62,73                          |
| 0,125   | 3,00   | 44,90  | 48,27  | 14,46                          |
| 0,075   | 3,74   | 9,27   | 9,97   | 4,49                           |
| 0,063   | 3,99   | 0,65   | 0,70   | 3,79                           |
| < 0,063 | > 3,99 | 3,53   | 3,79   | 0,00                           |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 3,79     |
| Sand, fine (0,063 mm - 0,200 mm): | 58,93    |
| Sand, medium (0,2 mm - 0,6 mm):   | 34,71    |
| Sand, coarse (0,6 mm - 2 mm):     | 2,05     |
| Gravel (> 2 mm):                  | 0,51     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,35  | 1,51 |
| 16%             | 84%            | 0,32  | 1,66 |
| 25%             | 75%            | 0,29  | 1,79 |
| 40%             | 60%            | 0,18  | 2,50 |
| Median 50%      | 50%            | 0,17  | 2,60 |
| 75%             | 25%            | 0,14  | 2,87 |
| 84%             | 16%            | 0,13  | 2,98 |
| 90%             | 10%            | 0,08  | 3,59 |
| 95%             | 5%             | 0,08  | 3,72 |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 2,41  |
| Sorting                | 0,67  |
| Skewness               | -0,20 |
| Kurtosis               | 0,84  |
| Uniformity Coefficient | 2,12  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles  
are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

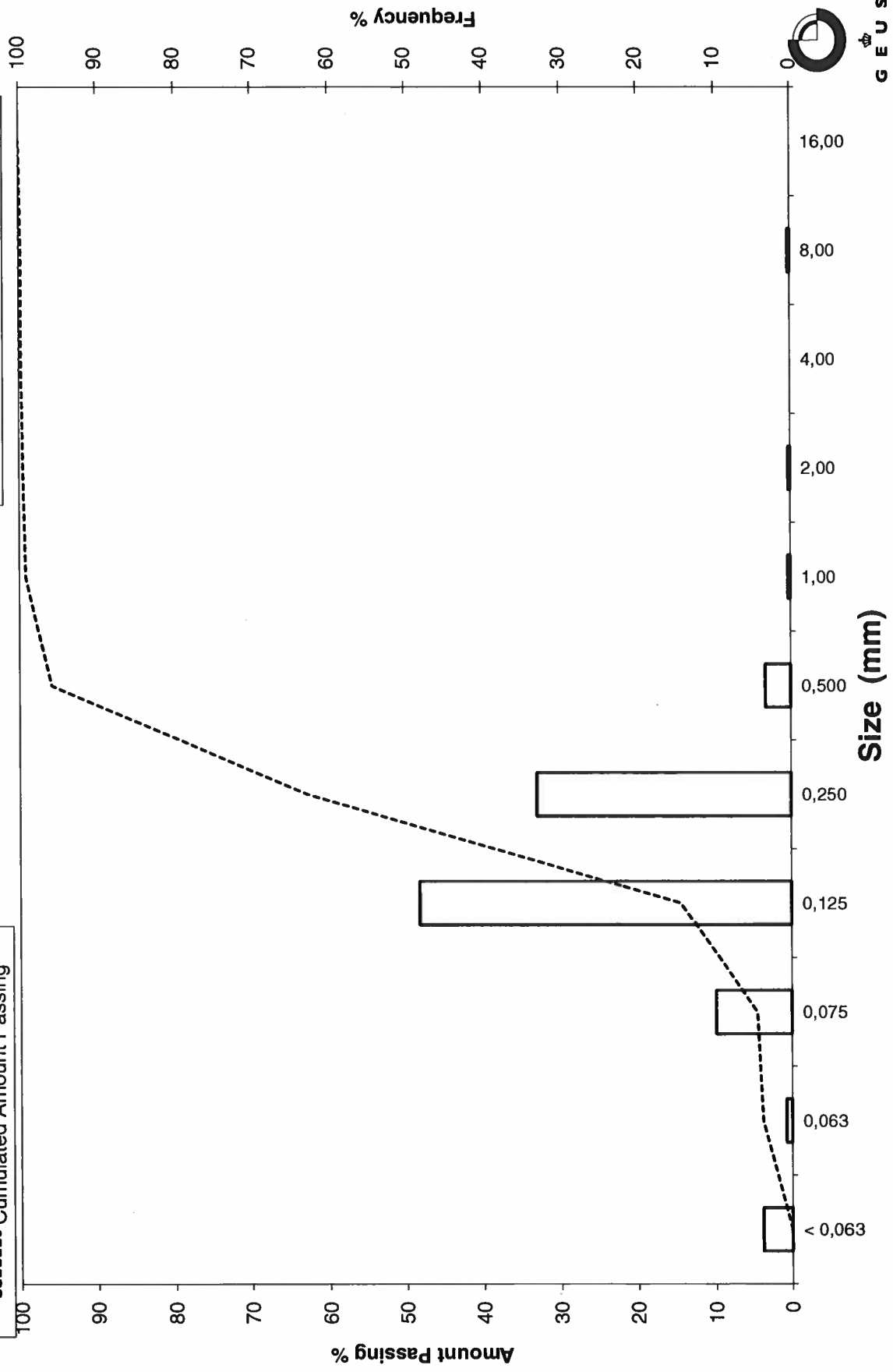
Mean, sorting, skewness and kurtosis are based on  
"Amount in sieve". Uniformity coefficient is based on  
"Amount passing".

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# Grain Size Distribution

Sample Id: VKY 23, 0-80

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 26, 50-150  
**Lab. Id:** 200475  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 89,01 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,00   | 0,00   | 100,00                   |
| 2,00    | -1,00  | 0,00   | 0,00   | 100,00                   |
| 1,00    | 0,00   | 0,00   | 0,00   | 100,00                   |
| 0,500   | 1,00   | 0,00   | 0,00   | 100,00                   |
| 0,250   | 2,00   | 0,04   | 0,04   | 99,96                    |
| 0,125   | 3,00   | 6,14   | 6,90   | 93,06                    |
| 0,075   | 3,74   | 55,49  | 62,34  | 30,72                    |
| 0,063   | 3,99   | 14,93  | 16,77  | 13,94                    |
| < 0,063 | > 3,99 | 12,41  | 13,94  | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 13,94    |
| Sand, fine (0,063 mm - 0,200 mm): | 86,01    |
| Sand, medium (0,2 mm - 0,6 mm):   | 0,04     |
| Sand, coarse (0,6 mm - 2 mm):     | 0,00     |
| Gravel (> 2 mm):                  | 0,00     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 0,14  | 2,83  |
| 16%             | 84%            | 0,09  | 3,51  |
| 25%             | 75%            | 0,09  | 3,55  |
| 40%             | 60%            | 0,08  | 3,61  |
| Median 50%      | 50%            | 0,08  | 3,65  |
| 75%             | 25%            | 0,07  | 3,82  |
| 84%             | 16%            | 0,06  | 3,96  |
| 90%             | 10%            | ----- | ----- |
| 95%             | 5%             | ----- | ----- |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 3,70  |
| Sorting                | ----- |
| Skewness               | ----- |
| Kurtosis               | ----- |
| Uniformity Coefficient | ----- |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

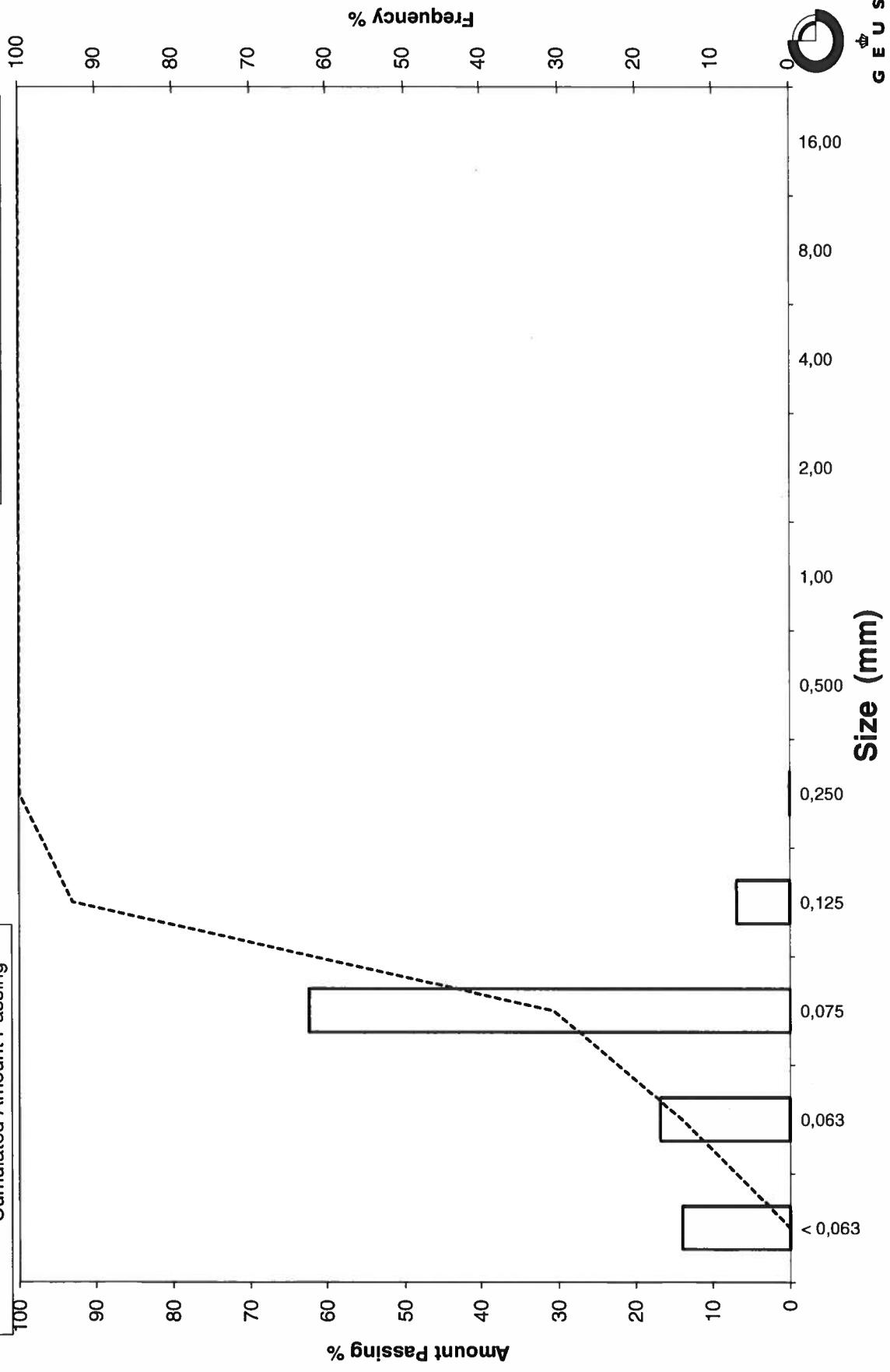
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# Grain Size Distribution

Sample Id: VKY 26, 50-150

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 29, 0-78  
**Lab. Id:** 200476  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 92,87 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,00   | 0,00   | 100,00                   |
| 2,00    | -1,00  | 0,00   | 0,00   | 100,00                   |
| 1,00    | 0,00   | 0,41   | 0,44   | 99,56                    |
| 0,500   | 1,00   | 13,40  | 14,43  | 85,13                    |
| 0,250   | 2,00   | 56,64  | 60,99  | 24,14                    |
| 0,125   | 3,00   | 19,71  | 21,22  | 2,92                     |
| 0,075   | 3,74   | 1,74   | 1,87   | 1,04                     |
| 0,063   | 3,99   | 0,17   | 0,18   | 0,86                     |
| < 0,063 | > 3,99 | 0,80   | 0,86   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,86     |
| Sand, fine (0,063 mm - 0,200 mm): | 23,28    |
| Sand, medium (0,2 mm - 0,6 mm):   | 67,86    |
| Sand, coarse (0,6 mm - 2 mm):     | 8,00     |
| Gravel (> 2 mm):                  | 0,00     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,64  | 0,64 |
| 16%             | 84%            | 0,35  | 1,50 |
| 25%             | 75%            | 0,34  | 1,57 |
| 40%             | 60%            | 0,31  | 1,68 |
| Median 50%      | 50%            | 0,29  | 1,76 |
| 75%             | 25%            | 0,25  | 1,99 |
| 84%             | 16%            | 0,16  | 2,65 |
| 90%             | 10%            | 0,14  | 2,80 |
| 95%             | 5%             | 0,13  | 2,94 |

### Moments Statistics

|                        |      |
|------------------------|------|
| Mean                   | 1,97 |
| Sorting                | 0,64 |
| Skewness               | 0,28 |
| Kurtosis               | 2,22 |
| Uniformity Coefficient | 2,17 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgt-Bulletin 1988)

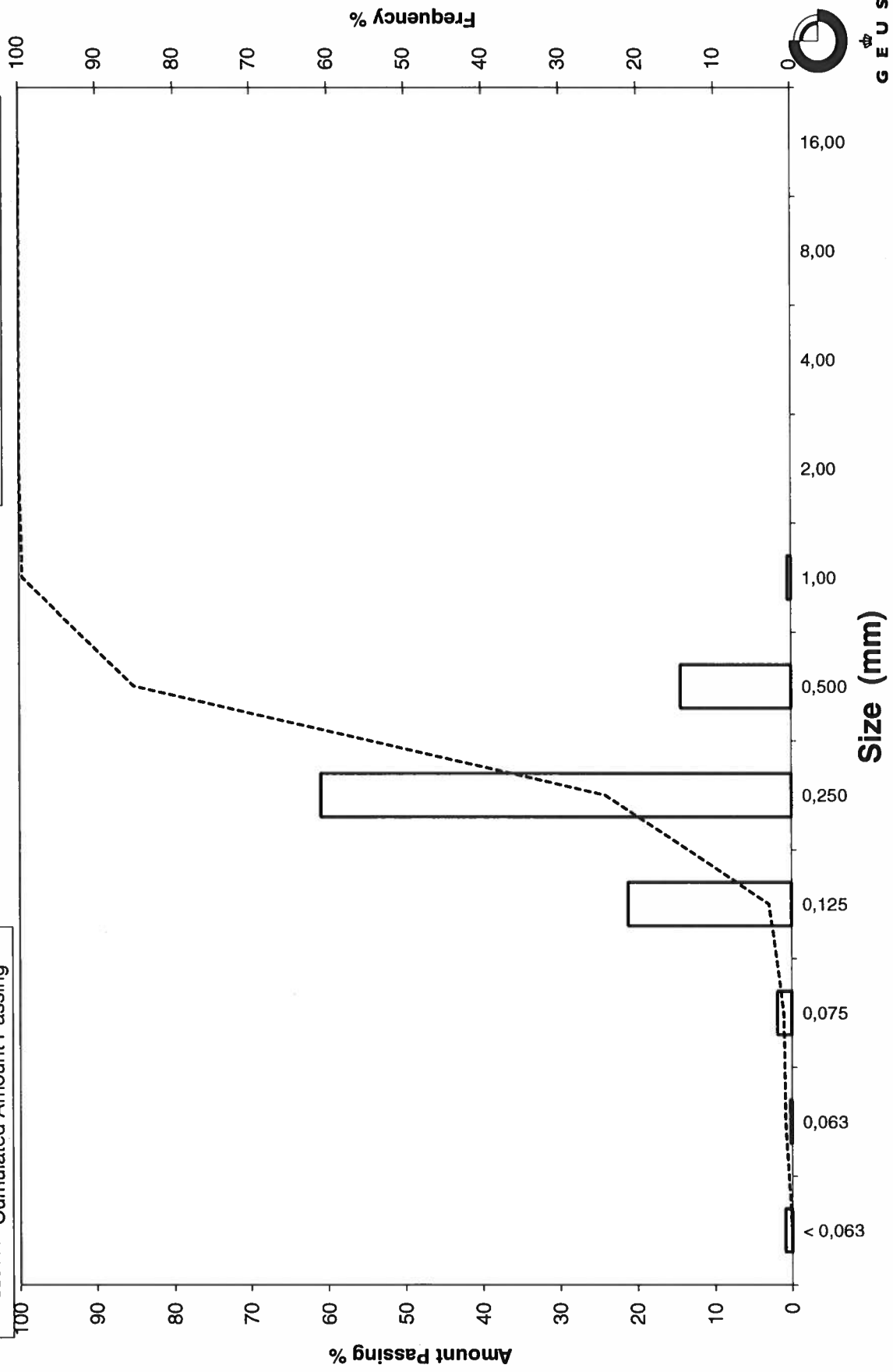
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: VKY 29, 0-78

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 30, 0-59  
**Lab. Id:** 200477  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >2mm heraf 0,1 g skaller



**Total Weight** 95,6 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,00   | 0,00   | 100,00                   |
| 2,00    | -1,00  | 0,32   | 0,33   | 99,67                    |
| 1,00    | 0,00   | 1,04   | 1,09   | 98,58                    |
| 0,500   | 1,00   | 16,85  | 17,63  | 80,95                    |
| 0,250   | 2,00   | 62,68  | 65,56  | 15,39                    |
| 0,125   | 3,00   | 11,20  | 11,72  | 3,67                     |
| 0,075   | 3,74   | 2,55   | 2,67   | 1,00                     |
| 0,063   | 3,99   | 0,35   | 0,37   | 0,64                     |
| < 0,063 | > 3,99 | 0,61   | 0,64   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,64     |
| Sand, fine (0,063 mm - 0,200 mm): | 14,75    |
| Sand, medium (0,2 mm - 0,6 mm):   | 73,96    |
| Sand, coarse (0,6 mm - 2 mm):     | 10,32    |
| Gravel (> 2 mm):                  | 0,33     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,67  | 0,58 |
| 16%             | 84%            | 0,54  | 0,90 |
| 25%             | 75%            | 0,35  | 1,53 |
| 40%             | 60%            | 0,32  | 1,64 |
| Median 50%      | 50%            | 0,31  | 1,71 |
| 75%             | 25%            | 0,27  | 1,91 |
| 84%             | 16%            | 0,25  | 1,99 |
| 90%             | 10%            | 0,15  | 2,69 |
| 95%             | 5%             | 0,13  | 2,93 |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 1,53  |
| Sorting                | 0,63  |
| Skewness               | -0,22 |
| Kurtosis               | 2,53  |
| Uniformity Coefficient | 2,08  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

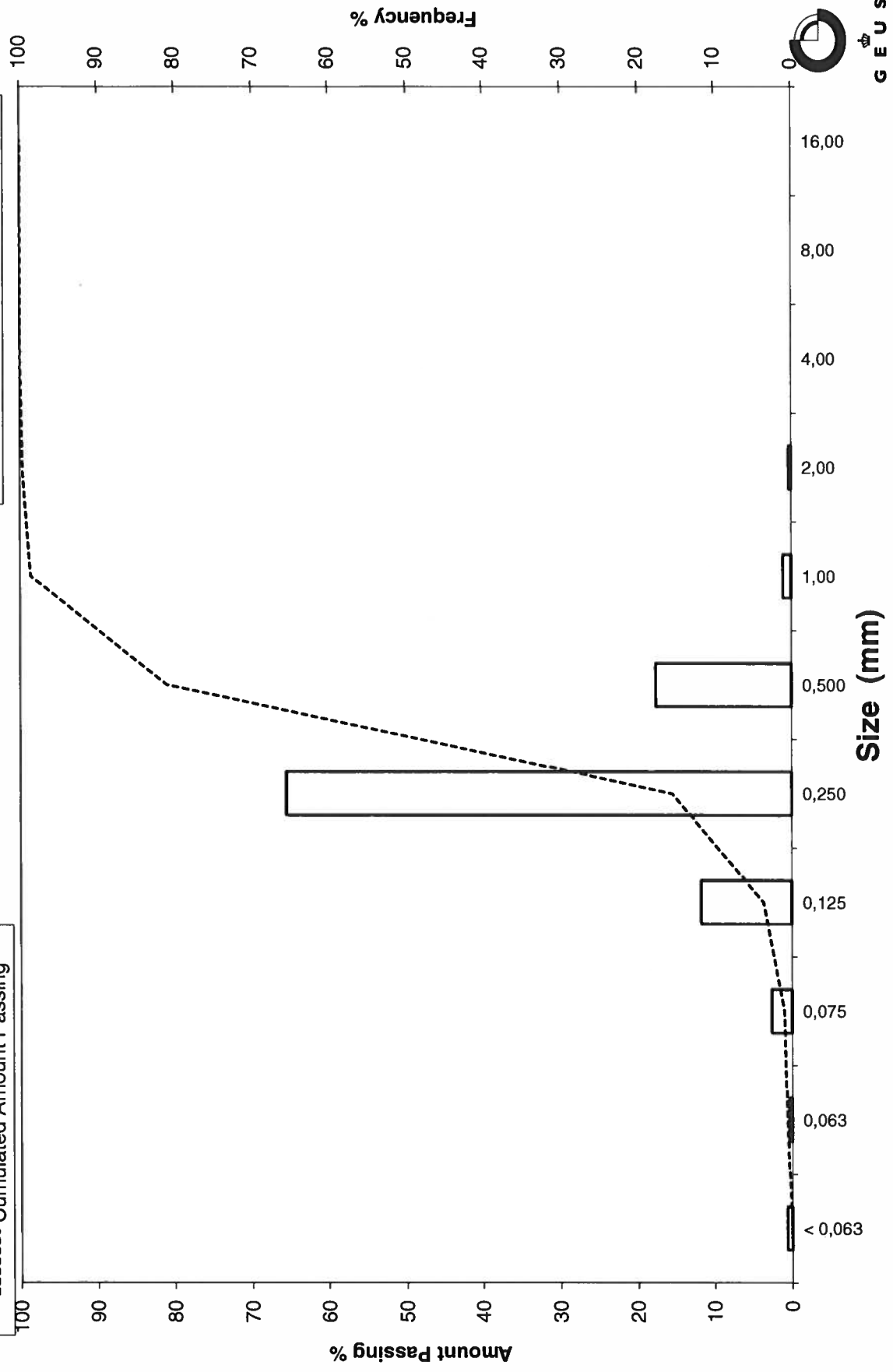
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: VKY 30, 0-59

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 32, 0-100  
**Lab. Id:** 200478  
**Projekt:** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >2mm består af skaller



**Total Weight** 89,67 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,15   | 0,17   | 99,83                    |
| 4,00    | -2,00  | 0,00   | 0,00   | 99,83                    |
| 2,00    | -1,00  | 0,11   | 0,12   | 99,71                    |
| 1,00    | 0,00   | 0,15   | 0,17   | 99,54                    |
| 0,500   | 1,00   | 1,66   | 1,85   | 97,69                    |
| 0,250   | 2,00   | 17,37  | 19,37  | 78,32                    |
| 0,125   | 3,00   | 60,97  | 67,99  | 10,33                    |
| 0,075   | 3,74   | 7,37   | 8,22   | 2,11                     |
| 0,063   | 3,99   | 0,36   | 0,40   | 1,71                     |
| < 0,063 | > 3,99 | 1,53   | 1,71   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 1,71     |
| Sand, fine (0,063 mm - 0,200 mm): | 76,61    |
| Sand, medium (0,2 mm - 0,6 mm):   | 20,25    |
| Sand, coarse (0,6 mm - 2 mm):     | 1,14     |
| Gravel (> 2 mm):                  | 0,29     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,34  | 1,55 |
| 16%             | 84%            | 0,28  | 1,83 |
| 25%             | 75%            | 0,18  | 2,50 |
| 40%             | 60%            | 0,17  | 2,60 |
| Median 50%      | 50%            | 0,16  | 2,67 |
| 75%             | 25%            | 0,14  | 2,87 |
| 84%             | 16%            | 0,13  | 2,95 |
| 90%             | 10%            | 0,09  | 3,48 |
| 95%             | 5%             | 0,08  | 3,64 |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 2,48  |
| Sorting                | 0,59  |
| Skewness               | -0,29 |
| Kurtosis               | 2,29  |
| Uniformity Coefficient | 1,85  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgt-Bulletin 1988)

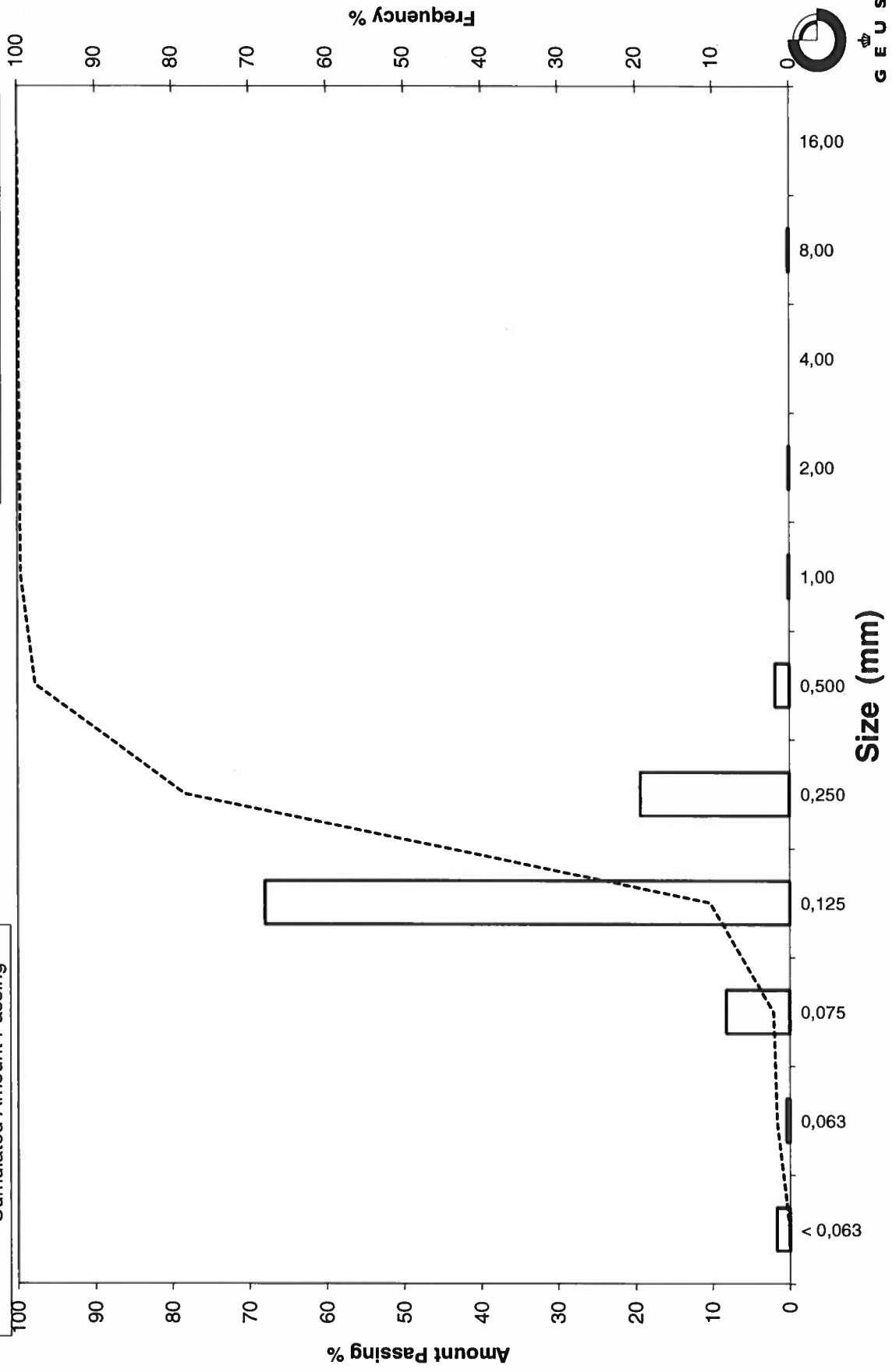
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: VKY 32, 0-100

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 37, 0-95  
**Lab. Id:** 200479  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 91,22 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,00   | 0,00   | 100,00                   |
| 2,00    | -1,00  | 0,57   | 0,62   | 99,38                    |
| 1,00    | 0,00   | 10,08  | 11,05  | 88,32                    |
| 0,500   | 1,00   | 42,32  | 46,39  | 41,93                    |
| 0,250   | 2,00   | 30,78  | 33,74  | 8,19                     |
| 0,125   | 3,00   | 6,16   | 6,75   | 1,44                     |
| 0,075   | 3,74   | 0,70   | 0,77   | 0,67                     |
| 0,063   | 3,99   | 0,02   | 0,02   | 0,65                     |
| < 0,063 | > 3,99 | 0,59   | 0,65   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,65     |
| Sand, fine (0,063 mm - 0,200 mm): | 7,54     |
| Sand, medium (0,2 mm - 0,6 mm):   | 55,83    |
| Sand, coarse (0,6 mm - 2 mm):     | 35,35    |
| Gravel (> 2 mm):                  | 0,62     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 1,24  | -0,31 |
| 16%             | 84%            | 0,69  | 0,53  |
| 25%             | 75%            | 0,65  | 0,62  |
| 40%             | 60%            | 0,58  | 0,78  |
| Median 50%      | 50%            | 0,54  | 0,90  |
| 75%             | 25%            | 0,30  | 1,73  |
| 84%             | 16%            | 0,27  | 1,87  |
| 90%             | 10%            | 0,26  | 1,97  |
| 95%             | 5%             | 0,15  | 2,70  |

### Moments Statistics

|                        |      |
|------------------------|------|
| Mean                   | 1,10 |
| Sorting                | 0,79 |
| Skewness               | 0,32 |
| Kurtosis               | 1,12 |
| Uniformity Coefficient | 2,28 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgt-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

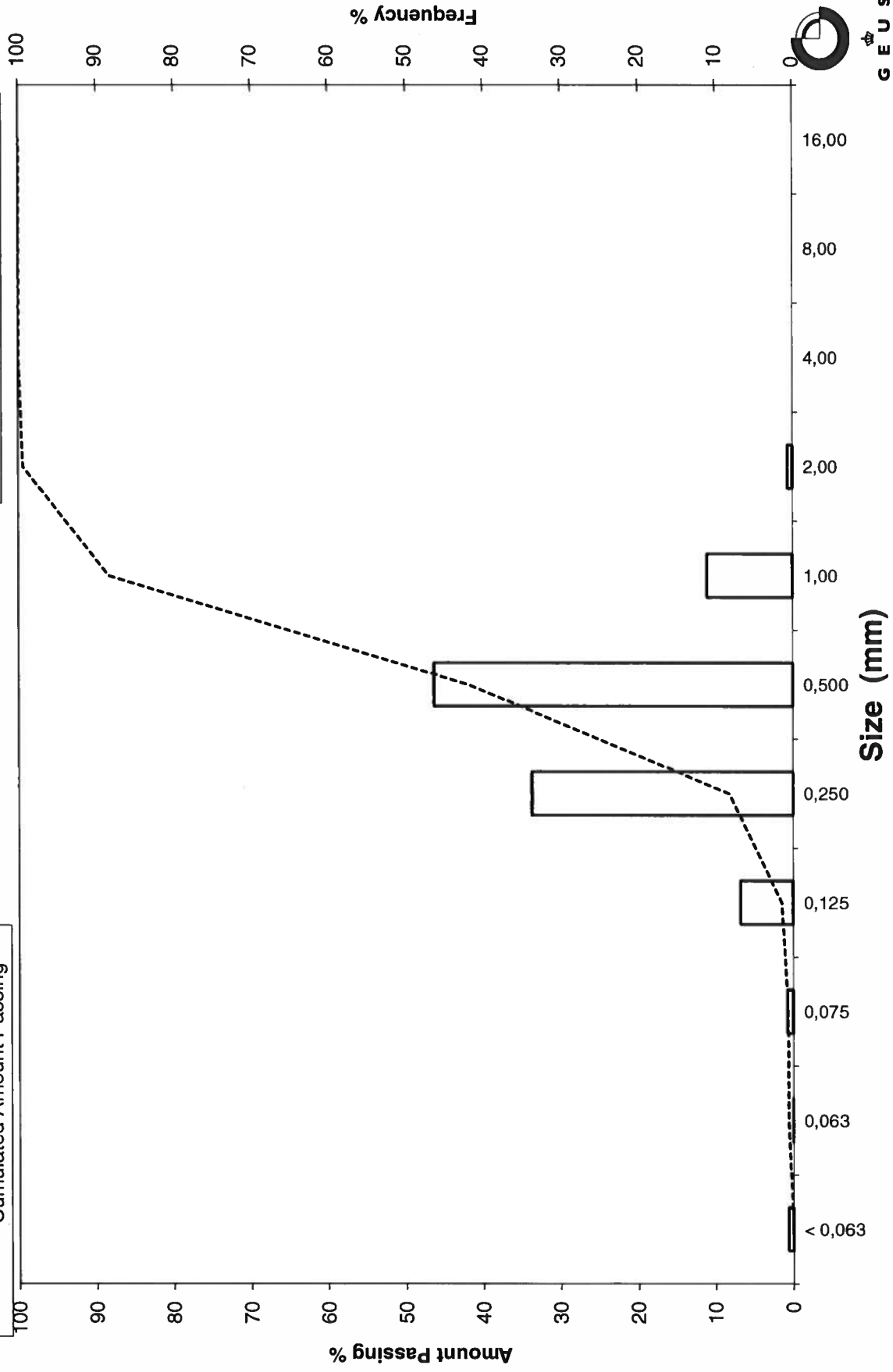
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# Grain Size Distribution

Sample Id: VKY 37, 0-95

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 38, 485-585  
**Lab. Id:** 200480  
**Projekt:** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 89,3 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,00   | 0,00   | 100,00                   |
| 2,00    | -1,00  | 0,00   | 0,00   | 100,00                   |
| 1,00    | 0,00   | 0,21   | 0,24   | 99,76                    |
| 0,500   | 1,00   | 5,06   | 5,67   | 94,10                    |
| 0,250   | 2,00   | 45,76  | 51,24  | 42,86                    |
| 0,125   | 3,00   | 36,22  | 40,56  | 2,30                     |
| 0,075   | 3,74   | 0,49   | 0,55   | 1,75                     |
| 0,063   | 3,99   | 0,00   | 0,00   | 1,75                     |
| < 0,063 | > 3,99 | 1,56   | 1,75   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 1,75     |
| Sand, fine (0,063 mm - 0,200 mm): | 41,11    |
| Sand, medium (0,2 mm - 0,6 mm):   | 53,94    |
| Sand, coarse (0,6 mm - 2 mm):     | 3,20     |
| Gravel (> 2 mm):                  | 0,00     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,53  | 0,91 |
| 16%             | 84%            | 0,33  | 1,58 |
| 25%             | 75%            | 0,32  | 1,66 |
| 40%             | 60%            | 0,29  | 1,81 |
| Median 50%      | 50%            | 0,26  | 1,92 |
| 75%             | 25%            | 0,16  | 2,68 |
| 84%             | 16%            | 0,14  | 2,80 |
| 90%             | 10%            | 0,14  | 2,88 |
| 95%             | 5%             | 0,13  | 2,96 |

### Moments Statistics

|                        |      |
|------------------------|------|
| Mean                   | 2,10 |
| Sorting                | 0,62 |
| Skewness               | 0,23 |
| Kurtosis               | 0,82 |
| Uniformity Coefficient | 2,11 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)  
 Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)  
 Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)  
 Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)  
 Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

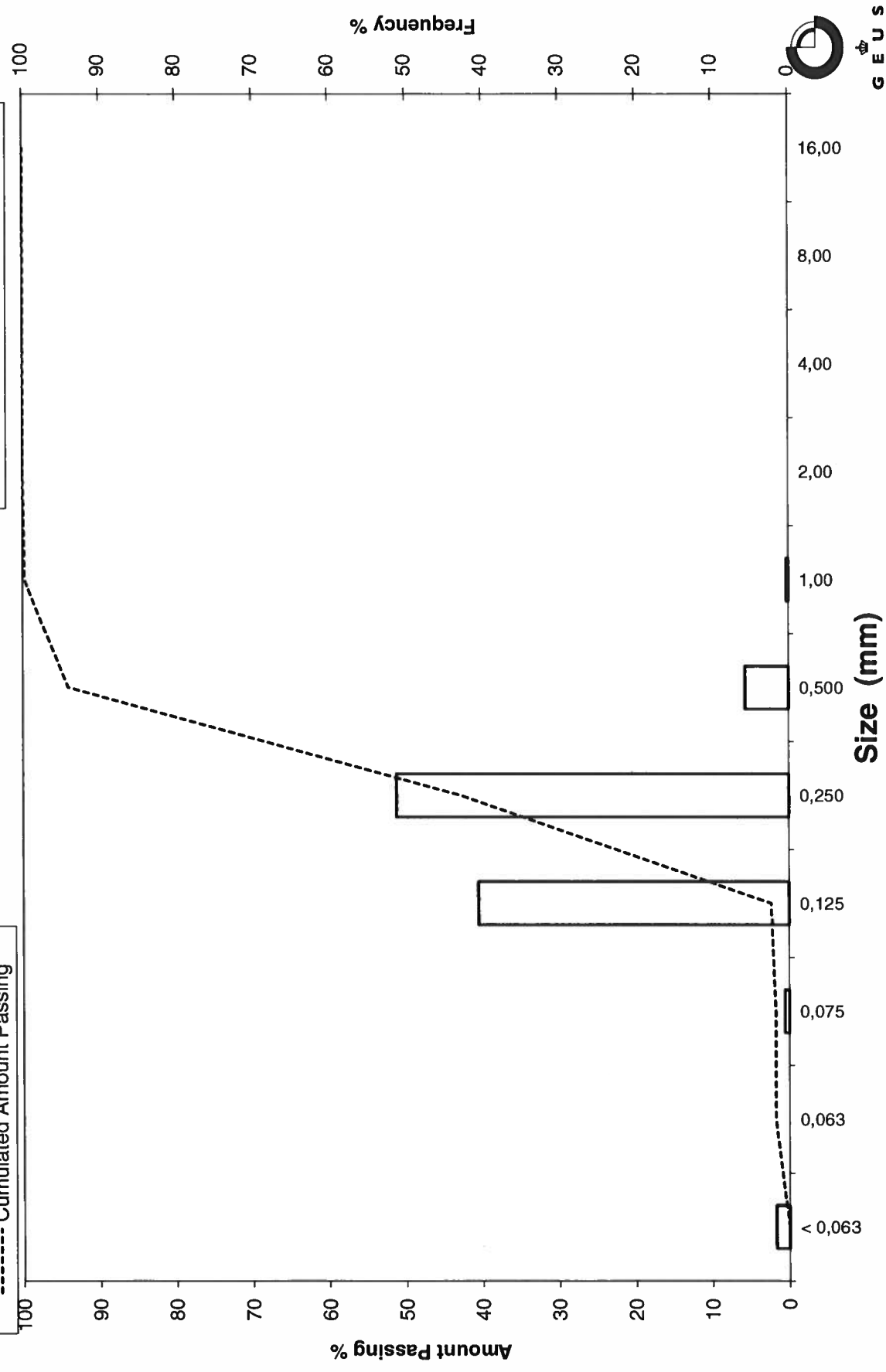
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: VKY 38, 485-585

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 40, 0-30  
**Lab. Id:** 200497  
**Projekt:** MST Råstofkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >2mm heraf 0,5g skaller



**Total Weight** 100,62 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,26   | 0,26   | 99,74                    |
| 2,00    | -1,00  | 0,49   | 0,49   | 99,25                    |
| 1,00    | 0,00   | 1,26   | 1,25   | 98,00                    |
| 0,500   | 1,00   | 6,78   | 6,74   | 91,26                    |
| 0,250   | 2,00   | 58,10  | 57,74  | 33,52                    |
| 0,125   | 3,00   | 31,38  | 31,19  | 2,34                     |
| 0,075   | 3,74   | 1,39   | 1,38   | 0,95                     |
| 0,063   | 3,99   | 0,09   | 0,09   | 0,86                     |
| < 0,063 | > 3,99 | 0,87   | 0,86   | 0,00                     |

Gravel

Sand

Sieve Analysis

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,86     |
| Sand, fine (0,063 mm - 0,200 mm): | 32,66    |
| Sand, medium (0,2 mm - 0,6 mm):   | 60,95    |
| Sand, coarse (0,6 mm - 2 mm):     | 4,78     |
| Gravel (> 2 mm):                  | 0,75     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,62  | 0,70 |
| 16%             | 84%            | 0,34  | 1,55 |
| 25%             | 75%            | 0,33  | 1,62 |
| 40%             | 60%            | 0,30  | 1,75 |
| Median 50%      | 50%            | 0,28  | 1,84 |
| 75%             | 25%            | 0,16  | 2,60 |
| 84%             | 16%            | 0,15  | 2,75 |
| 90%             | 10%            | 0,14  | 2,85 |
| 95%             | 5%             | 0,13  | 2,95 |

### Moments Statistics

|                        |      |
|------------------------|------|
| Mean                   | 2,04 |
| Sorting                | 0,64 |
| Skewness               | 0,25 |
| Kurtosis               | 0,94 |
| Uniformity Coefficient | 2,15 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

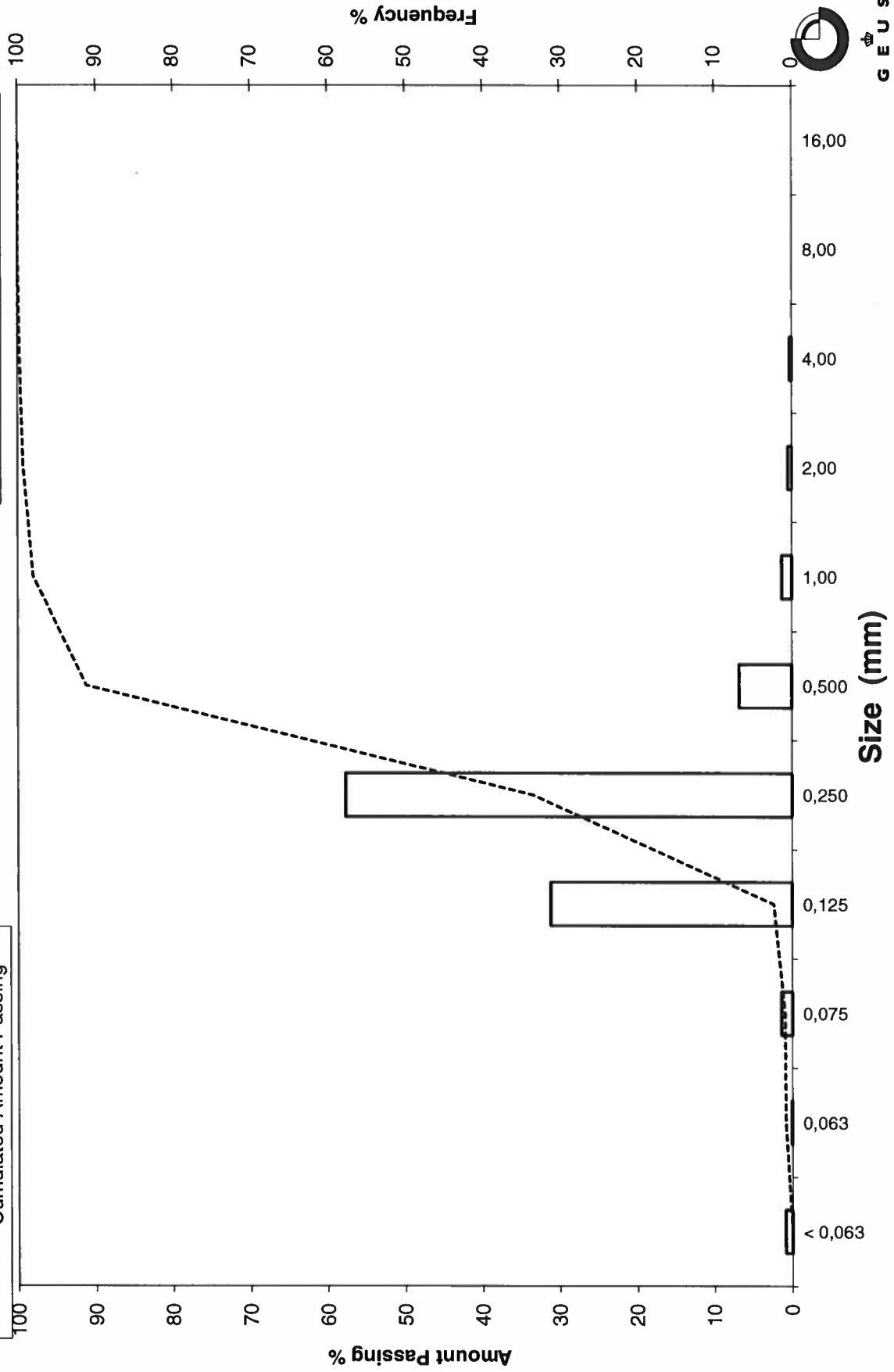
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: VKY 40, 0-30

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 41, 0-100  
**Lab. Id:** 200481  
**Projekt:** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >4mm består af skaller



**Total Weight** 116,96 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,07   | 0,06   | 99,94                    |
| 2,00    | -1,00  | 0,22   | 0,19   | 99,75                    |
| 1,00    | 0,00   | 16,81  | 14,37  | 85,38                    |
| 0,500   | 1,00   | 21,07  | 18,01  | 67,36                    |
| 0,250   | 2,00   | 63,72  | 54,48  | 12,88                    |
| 0,125   | 3,00   | 12,99  | 11,11  | 1,78                     |
| 0,075   | 3,74   | 1,13   | 0,97   | 0,81                     |
| 0,063   | 3,99   | 0,04   | 0,03   | 0,78                     |
| < 0,063 | > 3,99 | 0,91   | 0,78   | 0,00                     |

Gravel

Sand

Sieve Analysis

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,78     |
| Sand, fine (0,063 mm - 0,200 mm): | 12,11    |
| Sand, medium (0,2 mm - 0,6 mm):   | 63,06    |
| Sand, coarse (0,6 mm - 2 mm):     | 23,81    |
| Gravel (> 2 mm):                  | 0,25     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 1,27  | -0,34 |
| 16%             | 84%            | 0,69  | 0,53  |
| 25%             | 75%            | 0,59  | 0,76  |
| 40%             | 60%            | 0,34  | 1,55  |
| Median 50%      | 50%            | 0,32  | 1,64  |
| 75%             | 25%            | 0,27  | 1,87  |
| 84%             | 16%            | 0,26  | 1,97  |
| 90%             | 10%            | 0,17  | 2,59  |
| 95%             | 5%             | 0,14  | 2,83  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 1,38  |
| Sorting                | 0,84  |
| Skewness               | -0,40 |
| Kurtosis               | 1,17  |
| Uniformity Coefficient | 2,06  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)  
 Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)  
 Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)  
 Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)  
 Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

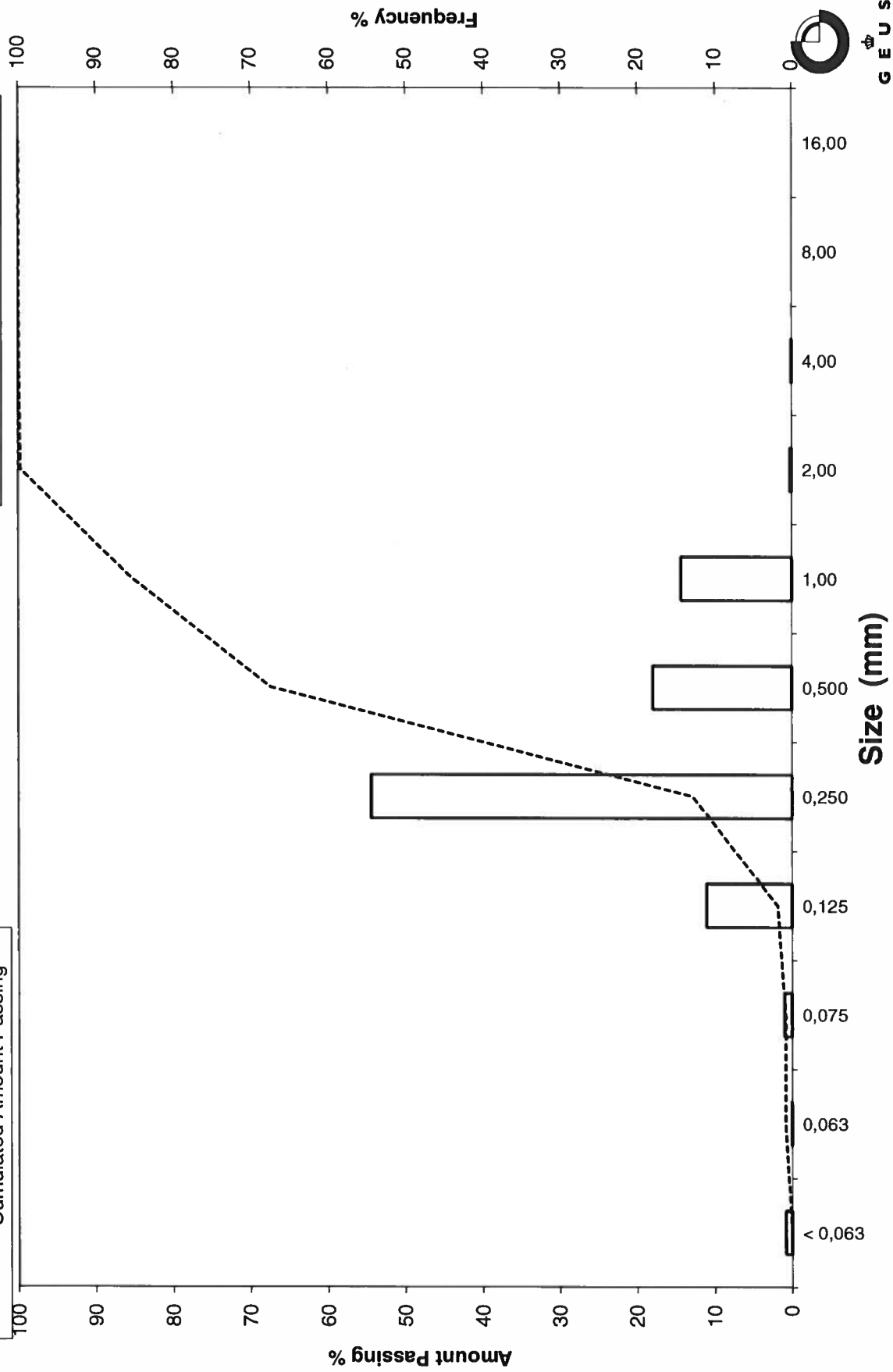
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: VKY 41, 0-100

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 42, 0-28  
**Lab. Id:** 200498  
**Projekt:** MST Råstofkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >4mm heraf 0,2g skaller



**Total Weight** 101,74 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,51   | 0,50   | 99,50                    |
| 2,00    | -1,00  | 4,98   | 4,89   | 94,60                    |
| 1,00    | 0,00   | 8,91   | 8,76   | 85,85                    |
| 0,500   | 1,00   | 18,68  | 18,36  | 67,49                    |
| 0,250   | 2,00   | 36,18  | 35,56  | 31,92                    |
| 0,125   | 3,00   | 25,65  | 25,21  | 6,71                     |
| 0,075   | 3,74   | 5,69   | 5,59   | 1,12                     |
| 0,063   | 3,99   | 0,33   | 0,32   | 0,80                     |
| < 0,063 | > 3,99 | 0,81   | 0,80   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,80     |
| Sand, fine (0,063 mm - 0,200 mm): | 31,13    |
| Sand, medium (0,2 mm - 0,6 mm):   | 44,30    |
| Sand, coarse (0,6 mm - 2 mm):     | 18,38    |
| Gravel (> 2 mm):                  | 5,40     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 2,06  | -1,05 |
| 16%             | 84%            | 0,69  | 0,54  |
| 25%             | 75%            | 0,59  | 0,77  |
| 40%             | 60%            | 0,33  | 1,59  |
| Median 50%      | 50%            | 0,30  | 1,72  |
| 75%             | 25%            | 0,16  | 2,60  |
| 84%             | 16%            | 0,15  | 2,78  |
| 90%             | 10%            | 0,13  | 2,92  |
| 95%             | 5%             | 0,09  | 3,55  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 1,68  |
| Sorting                | 1,26  |
| Skewness               | -0,13 |
| Kurtosis               | 1,03  |
| Uniformity Coefficient | 2,52  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

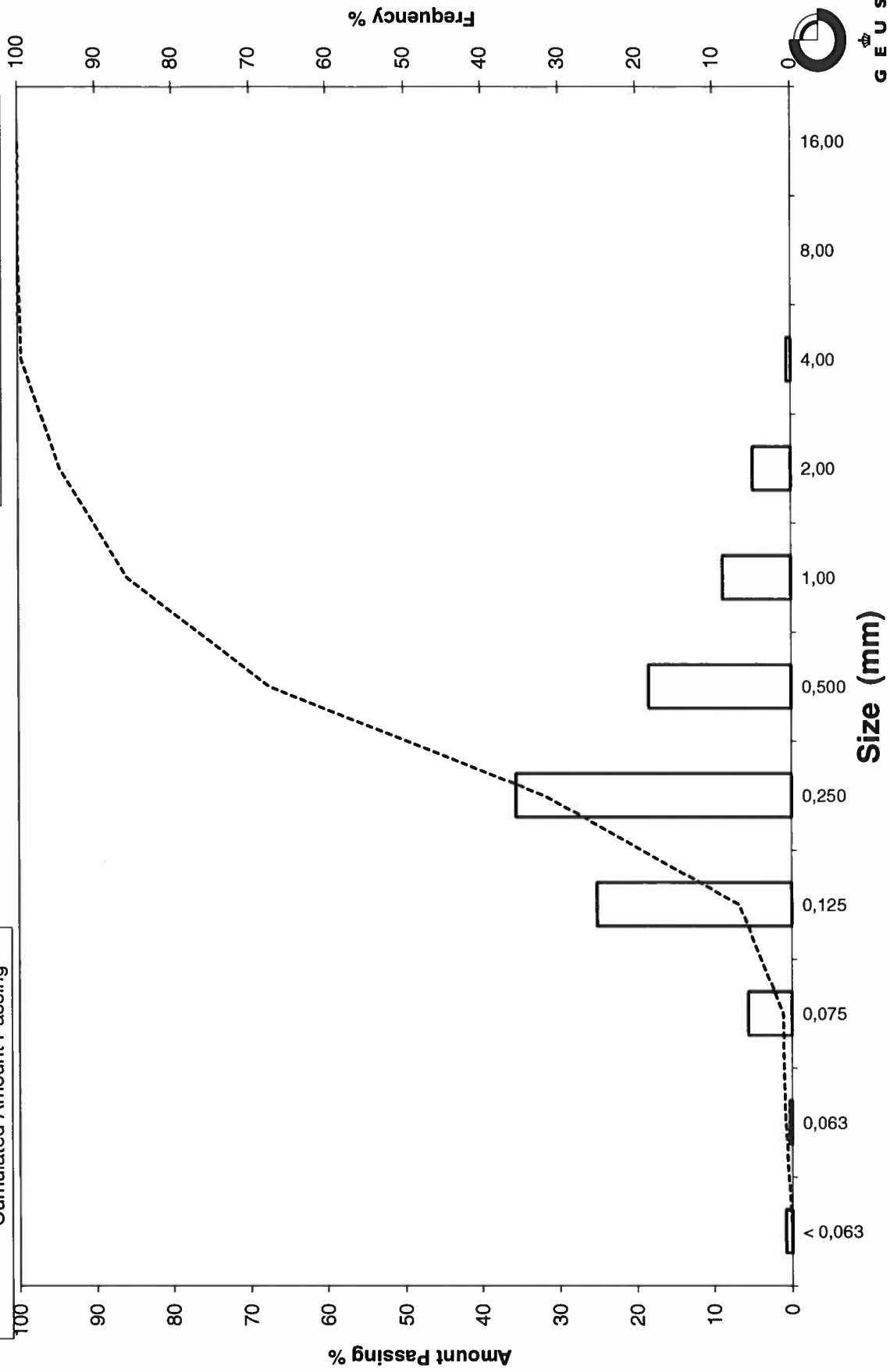
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# Grain Size Distribution

Sample Id: VKY 42, 0-28

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 44, 30-200  
**Lab. Id:** 200499  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 96,86 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,00   | 0,00   | 100,00                   |
| 2,00    | -1,00  | 0,00   | 0,00   | 100,00                   |
| 1,00    | 0,00   | 0,16   | 0,17   | 99,83                    |
| 0,500   | 1,00   | 0,52   | 0,54   | 99,30                    |
| 0,250   | 2,00   | 12,46  | 12,86  | 86,43                    |
| 0,125   | 3,00   | 74,18  | 76,58  | 9,85                     |
| 0,075   | 3,74   | 7,72   | 7,97   | 1,88                     |
| 0,063   | 3,99   | 0,57   | 0,59   | 1,29                     |
| < 0,063 | > 3,99 | 1,25   | 1,29   | 0,00                     |

Gravel

Sand

Sieve Analysis

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 1,29     |
| Sand, fine (0,063 mm - 0,200 mm): | 85,14    |
| Sand, medium (0,2 mm - 0,6 mm):   | 13,12    |
| Sand, coarse (0,6 mm - 2 mm):     | 0,45     |
| Gravel (> 2 mm):                  | 0,00     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,32  | 1,64 |
| 16%             | 84%            | 0,18  | 2,49 |
| 25%             | 75%            | 0,17  | 2,54 |
| 40%             | 60%            | 0,16  | 2,63 |
| Median 50%      | 50%            | 0,15  | 2,70 |
| 75%             | 25%            | 0,14  | 2,88 |
| 84%             | 16%            | 0,13  | 2,95 |
| 90%             | 10%            | 0,13  | 3,00 |
| 95%             | 5%             | 0,08  | 3,63 |

### Moments Statistics

|                        |      |
|------------------------|------|
| Mean                   | 2,71 |
| Sorting                | 0,42 |
| Skewness               | 0,01 |
| Kurtosis               | 2,40 |
| Uniformity Coefficient | 1,29 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

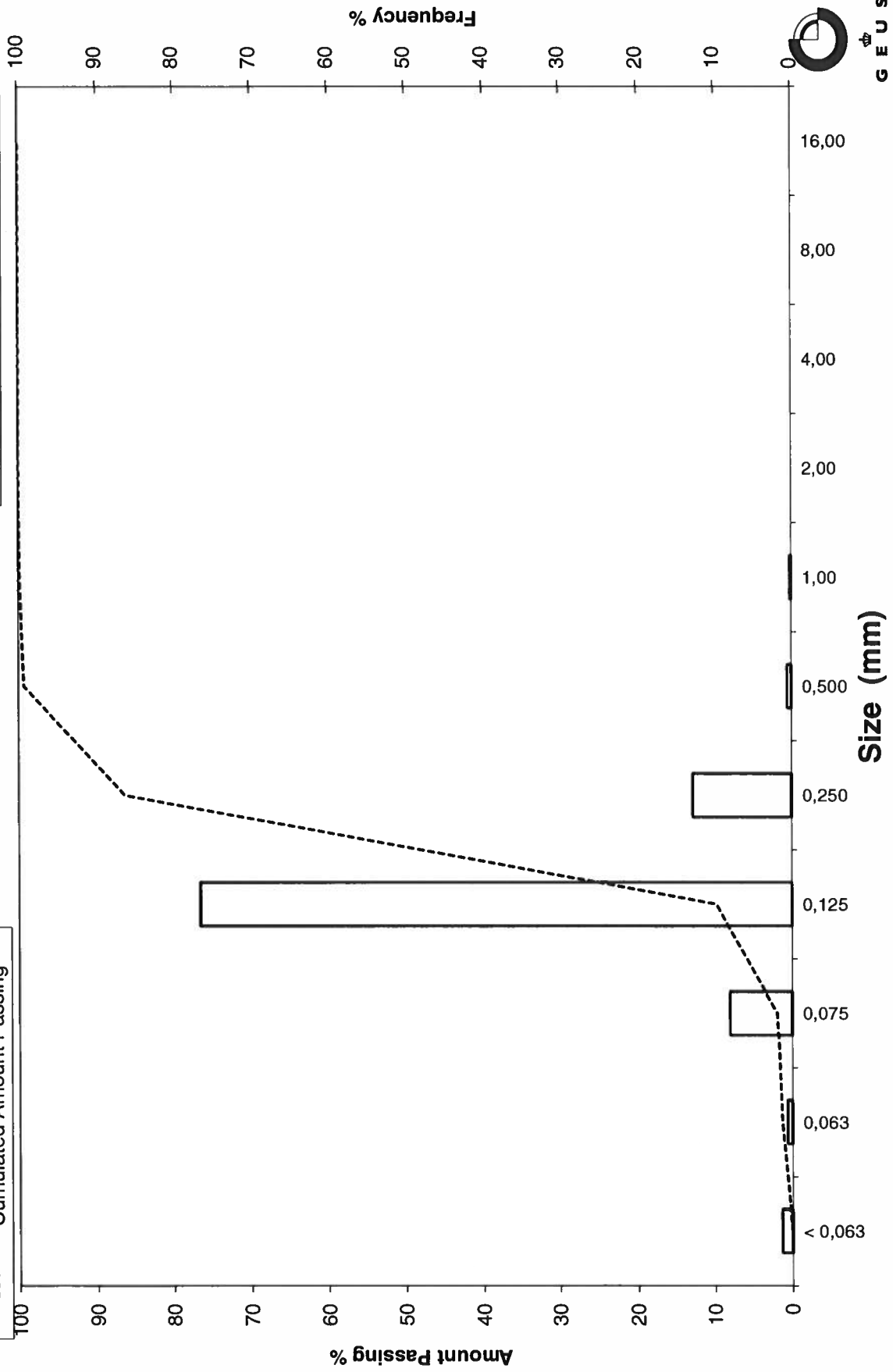
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: VKY 44, 30-200

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 46, 0-100  
**Lab. Id:** 200500  
**Projekt:** MST Råstøfkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >16mm heraf 2,9 g skaller



**Total Weight** 1133,06 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 89,68  | 7,91   | 92,09                    |
| 8,00    | -3,00  | 28,59  | 2,52   | 89,56                    |
| 4,00    | -2,00  | 15,64  | 1,38   | 88,18                    |
| 2,00    | -1,00  | 189,71 | 16,74  | 71,44                    |
| 1,00    | 0,00   | 490,50 | 43,29  | 28,15                    |
| 0,500   | 1,00   | 116,86 | 10,31  | 17,84                    |
| 0,250   | 2,00   | 92,26  | 8,14   | 9,69                     |
| 0,125   | 3,00   | 75,29  | 6,64   | 3,05                     |
| 0,075   | 3,74   | 26,16  | 2,31   | 0,74                     |
| 0,063   | 3,99   | 1,63   | 0,14   | 0,60                     |
| < 0,063 | > 3,99 | 6,74   | 0,60   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,60     |
| Sand, fine (0,063 mm - 0,200 mm): | 9,10     |
| Sand, medium (0,2 mm - 0,6 mm):   | 13,05    |
| Sand, coarse (0,6 mm - 2 mm):     | 48,69    |
| Gravel (> 2 mm):                  | 28,56    |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | ----- | ----- |
| 16%             | 84%            | 2,60  | -1,38 |
| 25%             | 75%            | 2,17  | -1,12 |
| 40%             | 60%            | 1,29  | -0,37 |
| Median 50%      | 50%            | 1,20  | -0,27 |
| 75%             | 25%            | 0,65  | 0,63  |
| 84%             | 16%            | 0,33  | 1,59  |
| 90%             | 10%            | 0,25  | 1,98  |
| 95%             | 5%             | 0,14  | 2,82  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | -0,02 |
| Sorting                | ----- |
| Skewness               | ----- |
| Kurtosis               | ----- |
| Uniformity Coefficient | 5,10  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)  
 Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)  
 Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)  
 Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)  
 Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgt-Bulletin 1988)

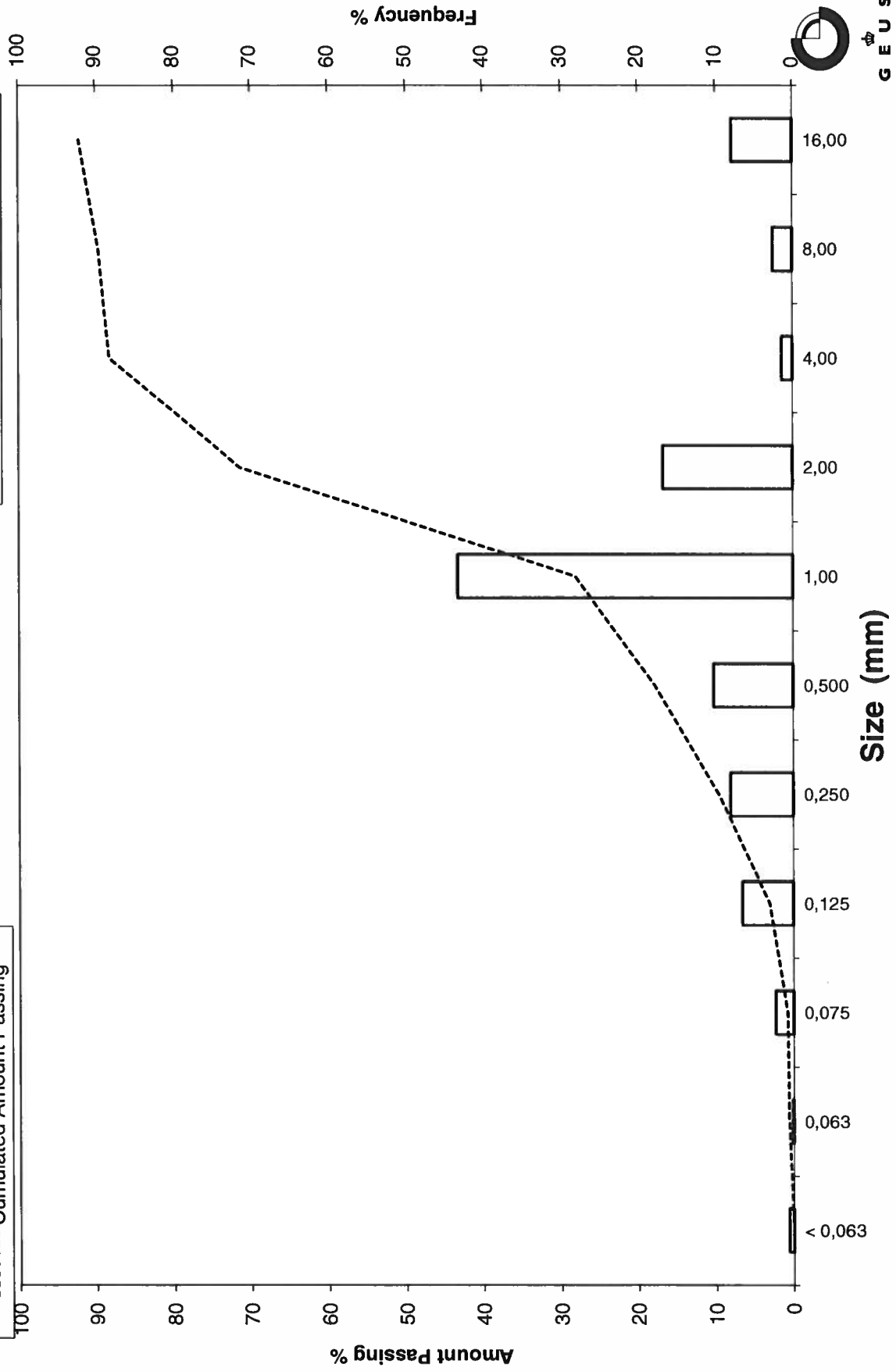
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: VKY 46, 0-100

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 47, 0-90  
**Lab. Id:** 200501  
**Projekt:** MST Råstofkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >4mm heraf 0,3g skaller



**Total Weight** 98,33 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,74   | 0,75   | 99,25                    |
| 4,00    | -2,00  | 0,40   | 0,41   | 98,84                    |
| 2,00    | -1,00  | 0,31   | 0,32   | 98,53                    |
| 1,00    | 0,00   | 1,27   | 1,29   | 97,23                    |
| 0,500   | 1,00   | 23,04  | 23,43  | 73,80                    |
| 0,250   | 2,00   | 50,45  | 51,31  | 22,50                    |
| 0,125   | 3,00   | 16,65  | 16,93  | 5,56                     |
| 0,075   | 3,74   | 4,37   | 4,44   | 1,12                     |
| 0,063   | 3,99   | 0,10   | 0,10   | 1,02                     |
| < 0,063 | > 3,99 | 1,00   | 1,02   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 1,02     |
| Sand, fine (0,063 mm - 0,200 mm): | 21,48    |
| Sand, medium (0,2 mm - 0,6 mm):   | 62,46    |
| Sand, coarse (0,6 mm - 2 mm):     | 13,57    |
| Gravel (> 2 mm):                  | 1,47     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,69  | 0,54 |
| 16%             | 84%            | 0,59  | 0,76 |
| 25%             | 75%            | 0,51  | 0,97 |
| 40%             | 60%            | 0,33  | 1,61 |
| Median 50%      | 50%            | 0,31  | 1,71 |
| 75%             | 25%            | 0,26  | 1,97 |
| 84%             | 16%            | 0,16  | 2,65 |
| 90%             | 10%            | 0,14  | 2,84 |
| 95%             | 5%             | 0,09  | 3,50 |

### Moments Statistics

|                        |      |
|------------------------|------|
| Mean                   | 1,71 |
| Sorting                | 0,92 |
| Skewness               | 0,10 |
| Kurtosis               | 1,22 |
| Uniformity Coefficient | 2,34 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgg-Bulletin 1988)

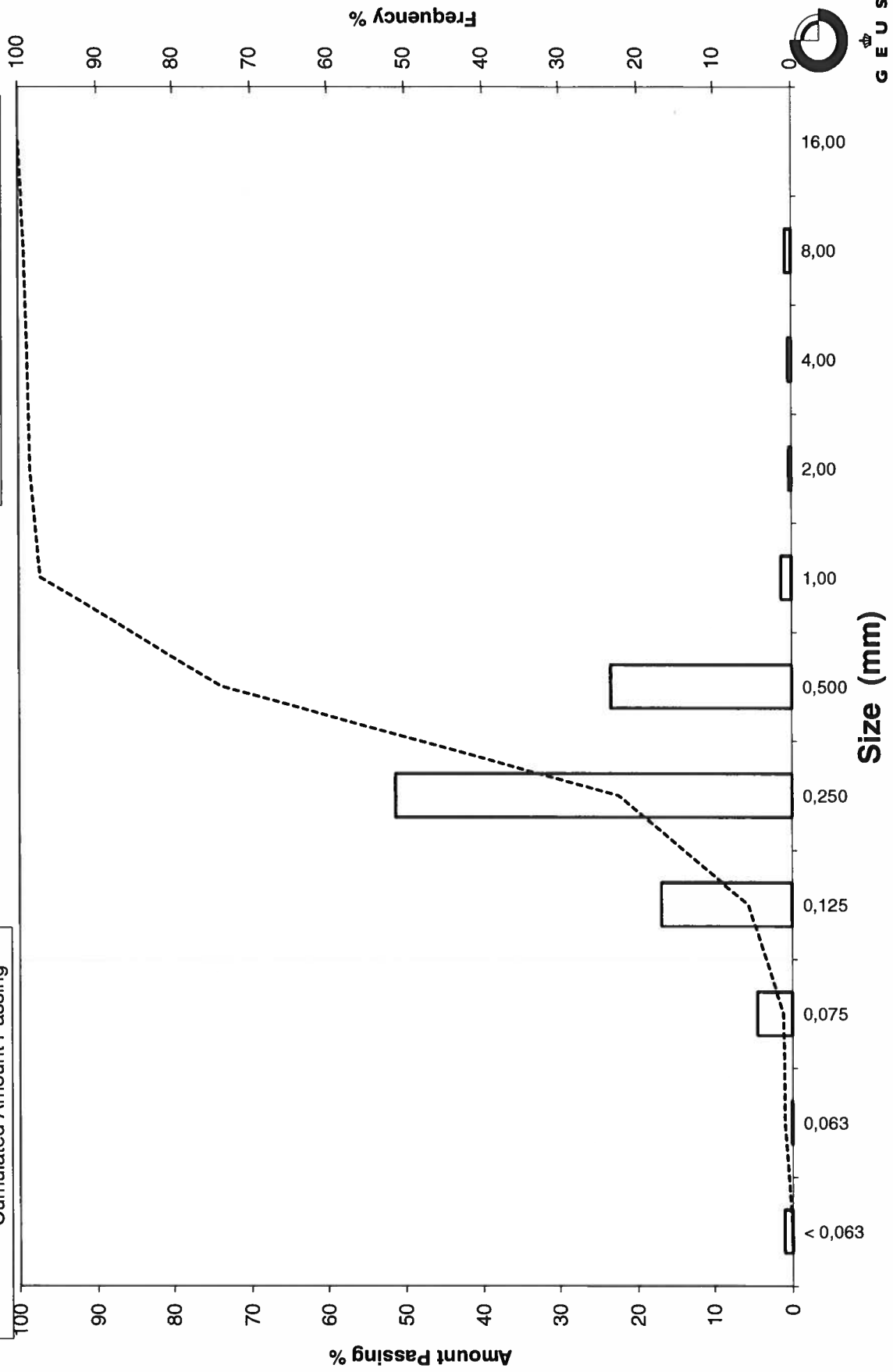
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: VKY 47, 0-90

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 47, 90-140  
**Lab. Id:** 200502  
**Projekt:** MST Råstøfkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >16mm heraf 97 g >32mm og  
 fraktionen >8mm heraf 7,2 g  
 skaller  
**Total Weight** 1266,47 g



### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated<br>amount<br>passing |
|---------|--------|--------|--------|--------------------------------|
| mm      | Φ      | g      | %      | %                              |
| 16,00   | -4,00  | 276,15 | 21,80  | 78,20                          |
| 8,00    | -3,00  | 289,31 | 22,84  | 55,35                          |
| 4,00    | -2,00  | 163,15 | 12,88  | 42,47                          |
| 2,00    | -1,00  | 78,97  | 6,24   | 36,23                          |
| 1,00    | 0,00   | 80,27  | 6,34   | 29,90                          |
| 0,500   | 1,00   | 106,53 | 8,41   | 21,48                          |
| 0,250   | 2,00   | 184,34 | 14,56  | 6,93                           |
| 0,125   | 3,00   | 66,98  | 5,29   | 1,64                           |
| 0,075   | 3,74   | 13,16  | 1,04   | 0,60                           |
| 0,063   | 3,99   | 1,30   | 0,10   | 0,50                           |
| < 0,063 | > 3,99 | 6,31   | 0,50   | 0,00                           |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,50     |
| Sand, fine (0,063 mm - 0,200 mm): | 6,43     |
| Sand, medium (0,2 mm - 0,6 mm):   | 18,56    |
| Sand, coarse (0,6 mm - 2 mm):     | 10,74    |
| Gravel (> 2 mm):                  | 63,77    |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | ----- | ----- |
| 16%             | 84%            | ----- | ----- |
| 25%             | 75%            | 14,88 | -3,90 |
| 40%             | 60%            | 9,63  | -3,27 |
| Median 50%      | 50%            | 6,34  | -2,66 |
| 75%             | 25%            | 0,59  | 0,77  |
| 84%             | 16%            | 0,32  | 1,66  |
| 90%             | 10%            | 0,27  | 1,88  |
| 95%             | 5%             | 0,16  | 2,64  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | -0,50 |
| Sorting                | ----- |
| Skewness               | ----- |
| Kurtosis               | ----- |
| Uniformity Coefficient | 35,38 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles  
are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)  
 Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)  
 Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)  
 Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)  
 Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on  
"Amount in sieve". Uniformity coefficient is based on  
"Amount passing".

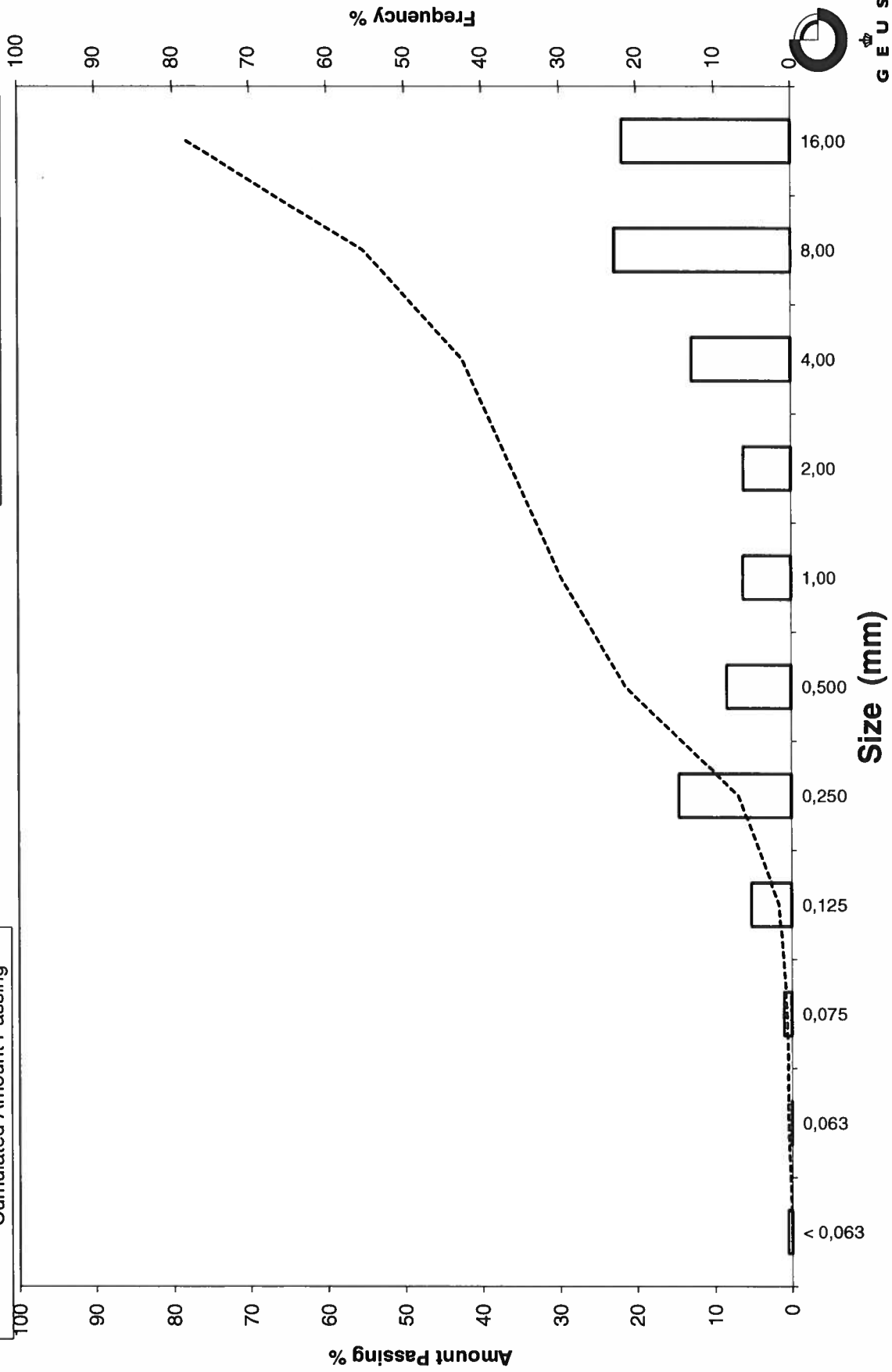
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# Grain Size Distribution

Sample Id: VKY 47, 90-140

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 50, 350-385  
**Lab. Id:** 200482  
**Projekt** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 1226,81 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 108,84 | 8,87   | 91,13                    |
| 8,00    | -3,00  | 117,85 | 9,61   | 81,52                    |
| 4,00    | -2,00  | 80,65  | 6,57   | 74,95                    |
| 2,00    | -1,00  | 190,98 | 15,57  | 59,38                    |
| 1,00    | 0,00   | 212,92 | 17,36  | 42,03                    |
| 0,500   | 1,00   | 266,30 | 21,71  | 20,32                    |
| 0,250   | 2,00   | 174,47 | 14,22  | 6,10                     |
| 0,125   | 3,00   | 35,94  | 2,93   | 3,17                     |
| 0,075   | 3,74   | 10,76  | 0,88   | 2,29                     |
| 0,063   | 3,99   | 2,51   | 0,20   | 2,09                     |
| < 0,063 | > 3,99 | 25,60  | 2,09   | 0,00                     |

Gravel

Sand

Sieve Analysis

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 2,09     |
| Sand, fine (0,063 mm - 0,200 mm): | 4,01     |
| Sand, medium (0,2 mm - 0,6 mm):   | 24,56    |
| Sand, coarse (0,6 mm - 2 mm):     | 28,73    |
| Gravel (> 2 mm):                  | 40,62    |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | ----- | ----- |
| 16%             | 84%            | 10,06 | -3,33 |
| 25%             | 75%            | 4,03  | -2,01 |
| 40%             | 60%            | 2,03  | -1,02 |
| Median 50%      | 50%            | 1,18  | -0,24 |
| 75%             | 25%            | 0,55  | 0,87  |
| 84%             | 16%            | 0,32  | 1,63  |
| 90%             | 10%            | 0,28  | 1,84  |
| 95%             | 5%             | 0,16  | 2,65  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | -0,65 |
| Sorting                | ----- |
| Skewness               | ----- |
| Kurtosis               | ----- |
| Uniformity Coefficient | 7,29  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

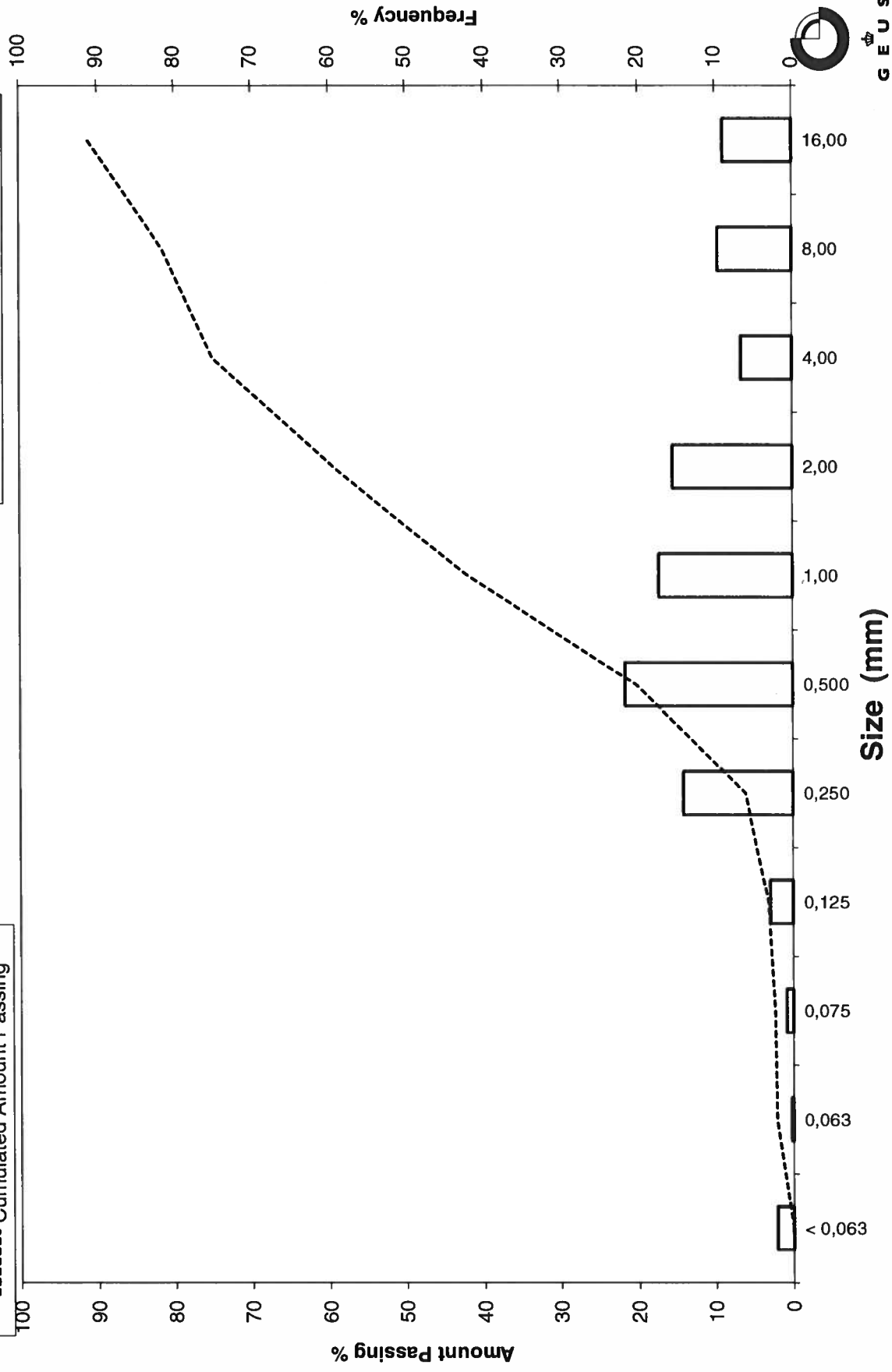
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: VKY 50, 350-385

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 53, 0-28  
**Lab. Id:** 200503  
**Projekt:** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >4mm heraf 0,9 g skaller



**Total Weight** 238,98 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated<br>amount<br>passing |
|---------|--------|--------|--------|--------------------------------|
| mm      | Φ      | g      | %      | %                              |
| 16,00   | -4,00  | 39,38  | 16,48  | 83,52                          |
| 8,00    | -3,00  | 19,80  | 8,29   | 75,24                          |
| 4,00    | -2,00  | 6,12   | 2,56   | 72,67                          |
| 2,00    | -1,00  | 5,85   | 2,45   | 70,23                          |
| 1,00    | 0,00   | 8,67   | 3,63   | 66,60                          |
| 0,500   | 1,00   | 31,74  | 13,28  | 53,32                          |
| 0,250   | 2,00   | 91,88  | 38,45  | 14,87                          |
| 0,125   | 3,00   | 30,80  | 12,89  | 1,98                           |
| 0,075   | 3,74   | 3,38   | 1,41   | 0,57                           |
| 0,063   | 3,99   | 0,16   | 0,07   | 0,50                           |
| < 0,063 | > 3,99 | 1,20   | 0,50   | 0,00                           |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,50     |
| Sand, fine (0,063 mm - 0,200 mm): | 14,37    |
| Sand, medium (0,2 mm - 0,6 mm):   | 44,77    |
| Sand, coarse (0,6 mm - 2 mm):     | 10,58    |
| Gravel (> 2 mm):                  | 29,77    |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | ----- | ----- |
| 16%             | 84%            | ----- | ----- |
| 25%             | 75%            | 7,63  | -2,93 |
| 40%             | 60%            | 0,61  | 0,72  |
| Median 50%      | 50%            | 0,35  | 1,53  |
| 75%             | 25%            | 0,28  | 1,85  |
| 84%             | 16%            | 0,25  | 1,98  |
| 90%             | 10%            | 0,16  | 2,65  |
| 95%             | 5%             | 0,14  | 2,86  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 1,76  |
| Sorting                | ----- |
| Skewness               | ----- |
| Kurtosis               | ----- |
| Uniformity Coefficient | 3,80  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles  
are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

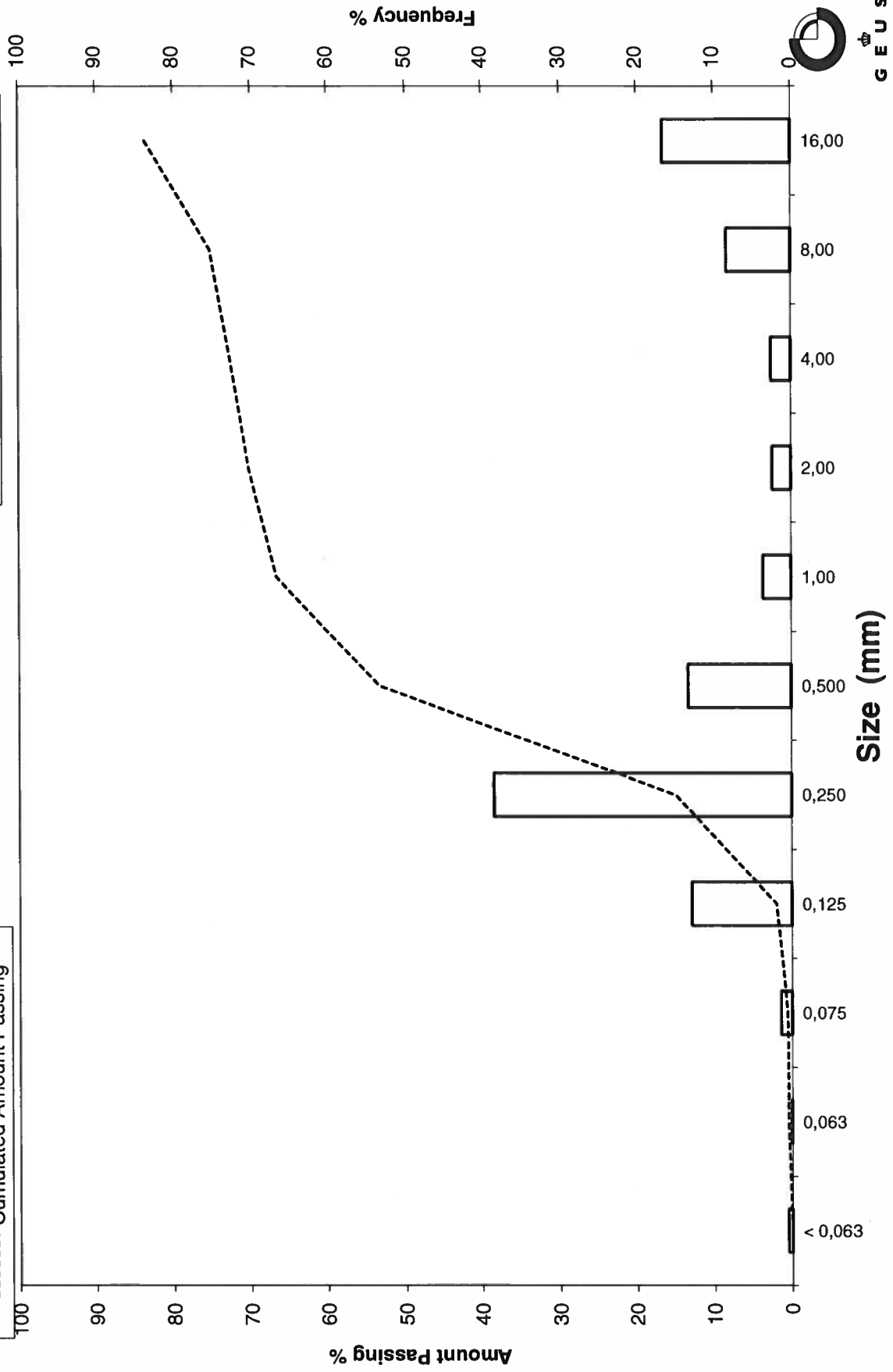
Mean, sorting, skewness and kurtosis are based on  
"Amount in sieve". Uniformity coefficient is based on  
"Amount passing".

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# Grain Size Distribution

Sample Id: VKY 53, 0-28

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 54, 0-300  
**Lab. Id:** 200483  
**Projekt:** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >1mm består af skaller



**Total Weight** 97,11 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated<br>amount<br>passing |
|---------|--------|--------|--------|--------------------------------|
| mm      | Φ      | g      | %      | %                              |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                         |
| 8,00    | -3,00  | 0,49   | 0,50   | 99,50                          |
| 4,00    | -2,00  | 0,44   | 0,45   | 99,04                          |
| 2,00    | -1,00  | 0,31   | 0,32   | 98,72                          |
| 1,00    | 0,00   | 0,24   | 0,25   | 98,48                          |
| 0,500   | 1,00   | 1,72   | 1,77   | 96,70                          |
| 0,250   | 2,00   | 18,31  | 18,85  | 77,85                          |
| 0,125   | 3,00   | 57,66  | 59,38  | 18,47                          |
| 0,075   | 3,74   | 13,92  | 14,33  | 4,14                           |
| 0,063   | 3,99   | 0,87   | 0,90   | 3,24                           |
| < 0,063 | > 3,99 | 3,15   | 3,24   | 0,00                           |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 3,24     |
| Sand, fine (0,063 mm - 0,200 mm): | 74,61    |
| Sand, medium (0,2 mm - 0,6 mm):   | 19,70    |
| Sand, coarse (0,6 mm - 2 mm):     | 1,17     |
| Gravel (> 2 mm):                  | 1,28     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,35  | 1,53 |
| 16%             | 84%            | 0,28  | 1,81 |
| 25%             | 75%            | 0,18  | 2,50 |
| 40%             | 60%            | 0,16  | 2,61 |
| Median 50%      | 50%            | 0,15  | 2,70 |
| 75%             | 25%            | 0,13  | 2,93 |
| 84%             | 16%            | 0,09  | 3,52 |
| 90%             | 10%            | 0,08  | 3,62 |
| 95%             | 5%             | 0,08  | 3,72 |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 2,68  |
| Sorting                | 0,76  |
| Skewness               | -0,05 |
| Kurtosis               | 2,05  |
| Uniformity Coefficient | 2,01  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles  
are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)  
 Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)  
 Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)  
 Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)  
 Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

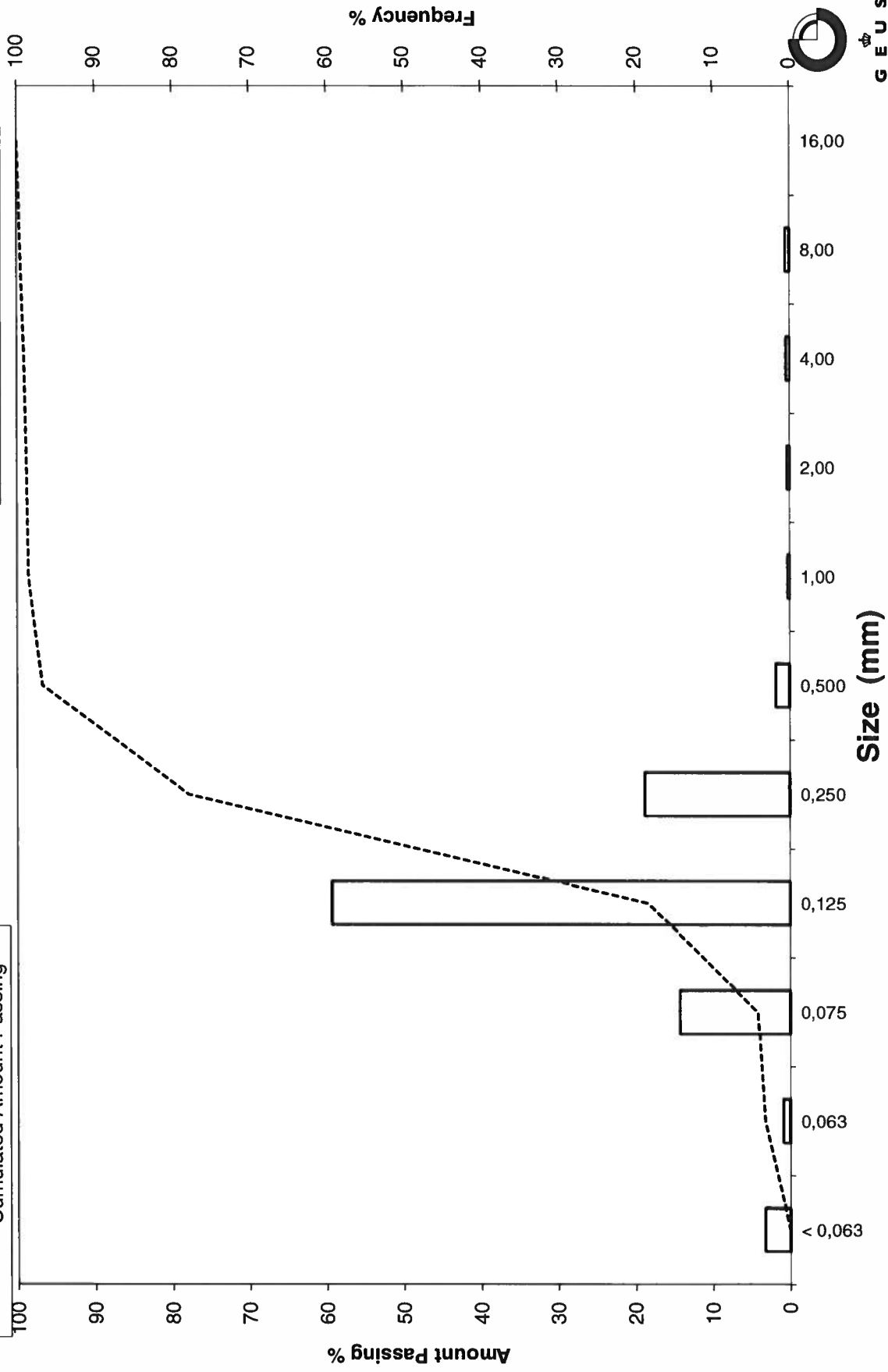
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: VKY 54, 0-300

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 55, 100-200  
**Lab. Id:** 200504  
**Projekt:** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 96,13 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated<br>amount<br>passing |
|---------|--------|--------|--------|--------------------------------|
| mm      | Φ      | g      | %      | %                              |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                         |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                         |
| 4,00    | -2,00  | 0,00   | 0,00   | 100,00                         |
| 2,00    | -1,00  | 0,00   | 0,00   | 100,00                         |
| 1,00    | 0,00   | 0,00   | 0,00   | 100,00                         |
| 0,500   | 1,00   | 0,05   | 0,05   | 99,95                          |
| 0,250   | 2,00   | 13,02  | 13,54  | 86,40                          |
| 0,125   | 3,00   | 51,51  | 53,58  | 32,82                          |
| 0,075   | 3,74   | 23,46  | 24,40  | 8,42                           |
| 0,063   | 3,99   | 3,17   | 3,30   | 5,12                           |
| < 0,063 | > 3,99 | 4,92   | 5,12   | 0,00                           |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 5,12     |
| Sand, fine (0,063 mm - 0,200 mm): | 81,29    |
| Sand, medium (0,2 mm - 0,6 mm):   | 13,57    |
| Sand, coarse (0,6 mm - 2 mm):     | 0,03     |
| Gravel (> 2 mm):                  | 0,00     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 0,32  | 1,66  |
| 16%             | 84%            | 0,18  | 2,49  |
| 25%             | 75%            | 0,17  | 2,57  |
| 40%             | 60%            | 0,15  | 2,71  |
| Median 50%      | 50%            | 0,14  | 2,81  |
| 75%             | 25%            | 0,09  | 3,55  |
| 84%             | 16%            | 0,08  | 3,65  |
| 90%             | 10%            | 0,08  | 3,72  |
| 95%             | 5%             | ----- | ----- |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 2,98  |
| Sorting                | ----- |
| Skewness               | ----- |
| Kurtosis               | ----- |
| Uniformity Coefficient | 2,01  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles  
are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on  
"Amount in sieve". Uniformity coefficient is based on  
"Amount passing".

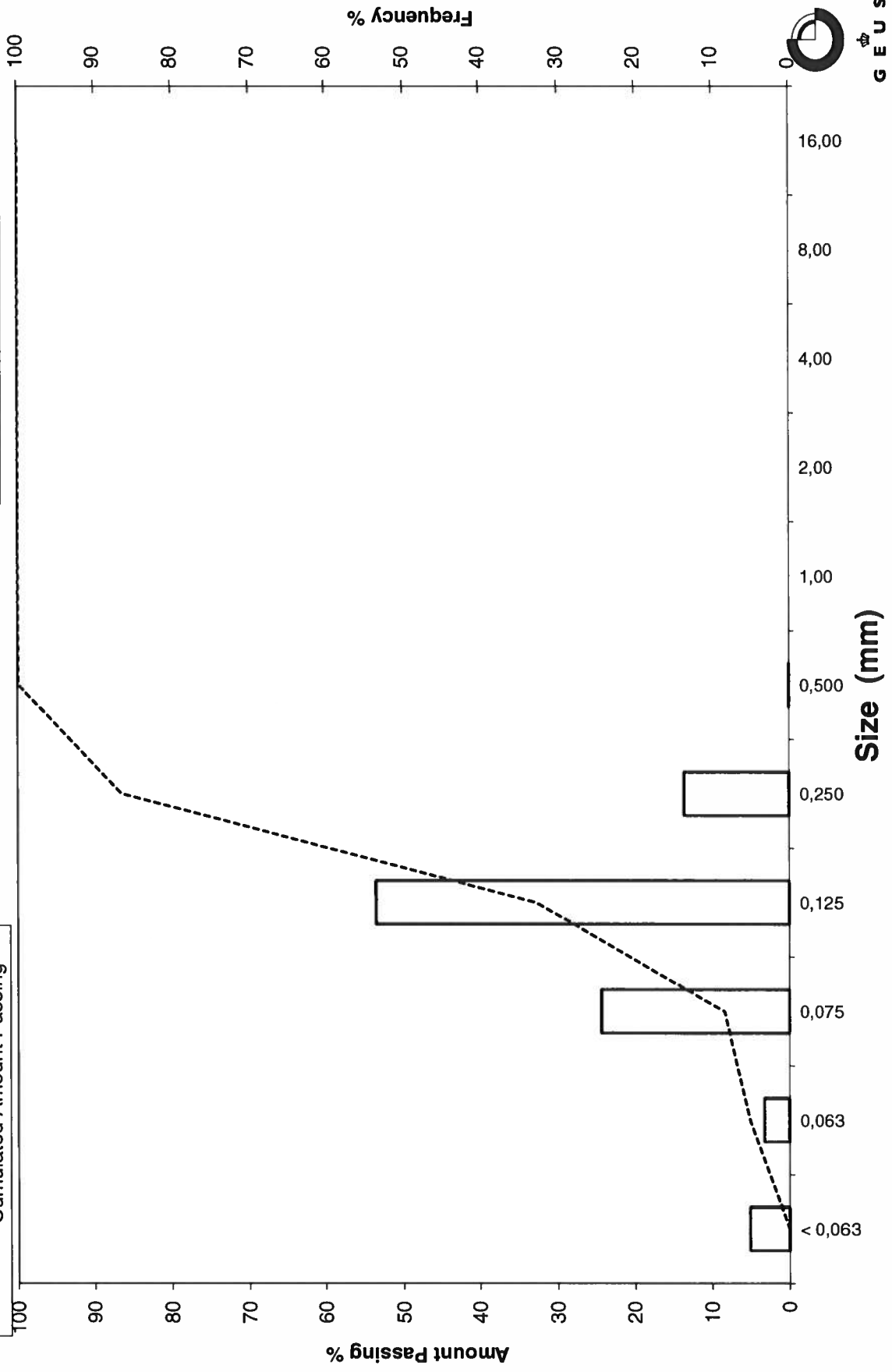
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# Grain Size Distribution

Sample Id: VKY 55, 100-200

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 57, 40-100  
**Lab. Id:** 200505  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 98,44 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated<br>amount<br>passing |
|---------|--------|--------|--------|--------------------------------|
| mm      | Φ      | g      | %      | %                              |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                         |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                         |
| 4,00    | -2,00  | 0,00   | 0,00   | 100,00                         |
| 2,00    | -1,00  | 0,00   | 0,00   | 100,00                         |
| 1,00    | 0,00   | 0,05   | 0,05   | 99,95                          |
| 0,500   | 1,00   | 13,07  | 13,28  | 86,67                          |
| 0,250   | 2,00   | 69,71  | 70,81  | 15,86                          |
| 0,125   | 3,00   | 13,97  | 14,19  | 1,67                           |
| 0,075   | 3,74   | 0,71   | 0,72   | 0,94                           |
| 0,063   | 3,99   | 0,07   | 0,07   | 0,87                           |
| < 0,063 | > 3,99 | 0,86   | 0,87   | 0,00                           |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,87     |
| Sand, fine (0,063 mm - 0,200 mm): | 14,98    |
| Sand, medium (0,2 mm - 0,6 mm):   | 77,14    |
| Sand, coarse (0,6 mm - 2 mm):     | 7,01     |
| Gravel (> 2 mm):                  | 0,00     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,63  | 0,66 |
| 16%             | 84%            | 0,35  | 1,51 |
| 25%             | 75%            | 0,34  | 1,57 |
| 40%             | 60%            | 0,32  | 1,66 |
| Median 50%      | 50%            | 0,30  | 1,73 |
| 75%             | 25%            | 0,26  | 1,92 |
| 84%             | 16%            | 0,25  | 2,00 |
| 90%             | 10%            | 0,16  | 2,67 |
| 95%             | 5%             | 0,14  | 2,86 |

### Moments Statistics

|                        |      |
|------------------------|------|
| Mean                   | 1,75 |
| Sorting                | 0,45 |
| Skewness               | 0,05 |
| Kurtosis               | 2,52 |
| Uniformity Coefficient | 2,01 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles  
are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgt-Bulletin 1988)

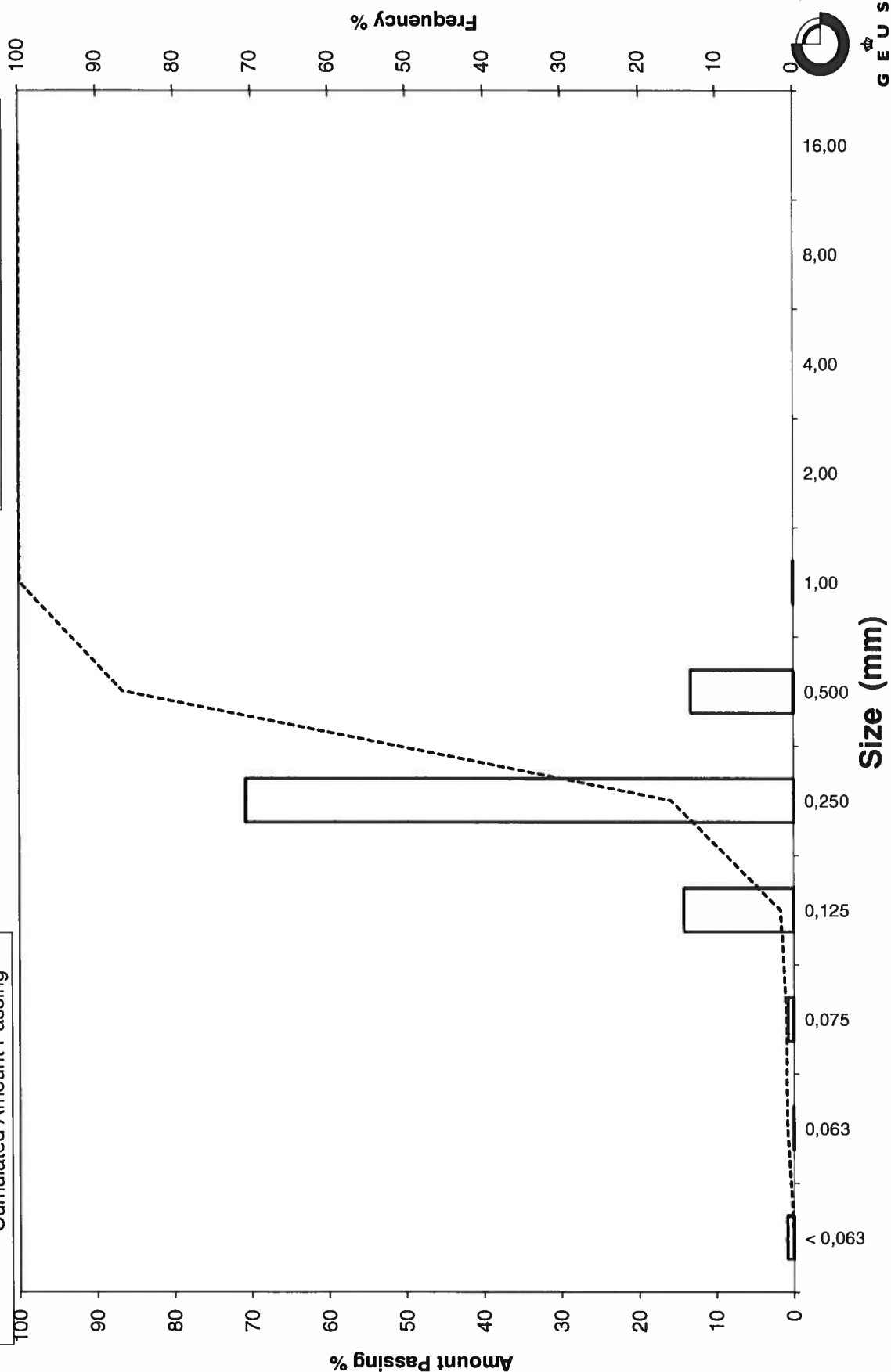
Mean, sorting, skewness and kurtosis are based on  
"Amount in sieve". Uniformity coefficient is based on  
"Amount passing".

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# Grain Size Distribution

Sample Id: VKY 57, 40-100

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 57, 140-188  
**Lab. Id:** 200506  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >8mm heraf 1,7g skaller



**Total Weight** 1065,29 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 56,79  | 5,33   | 94,67                    |
| 8,00    | -3,00  | 97,15  | 9,12   | 85,55                    |
| 4,00    | -2,00  | 136,44 | 12,81  | 72,74                    |
| 2,00    | -1,00  | 122,05 | 11,46  | 61,28                    |
| 1,00    | 0,00   | 114,37 | 10,74  | 50,55                    |
| 0,500   | 1,00   | 64,54  | 6,06   | 44,49                    |
| 0,250   | 2,00   | 241,93 | 22,71  | 21,78                    |
| 0,125   | 3,00   | 197,47 | 18,54  | 3,24                     |
| 0,075   | 3,74   | 21,43  | 2,01   | 1,23                     |
| 0,063   | 3,99   | 1,44   | 0,14   | 1,10                     |
| < 0,063 | > 3,99 | 11,68  | 1,10   | 0,00                     |

Gravel

Sand

Sieve Analysis

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 1,10     |
| Sand, fine (0,063 mm - 0,200 mm): | 20,68    |
| Sand, medium (0,2 mm - 0,6 mm):   | 25,60    |
| Sand, coarse (0,6 mm - 2 mm):     | 13,91    |
| Gravel (> 2 mm):                  | 38,72    |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | ----- | ----- |
| 16%             | 84%            | 7,52  | -2,91 |
| 25%             | 75%            | 4,71  | -2,23 |
| 40%             | 60%            | 1,35  | -0,44 |
| Median 50%      | 50%            | 0,69  | 0,53  |
| 75%             | 25%            | 0,26  | 1,92  |
| 84%             | 16%            | 0,16  | 2,62  |
| 90%             | 10%            | 0,15  | 2,79  |
| 95%             | 5%             | 0,13  | 2,94  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 0,08  |
| Sorting                | ----- |
| Skewness               | ----- |
| Kurtosis               | ----- |
| Uniformity Coefficient | 9,32  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

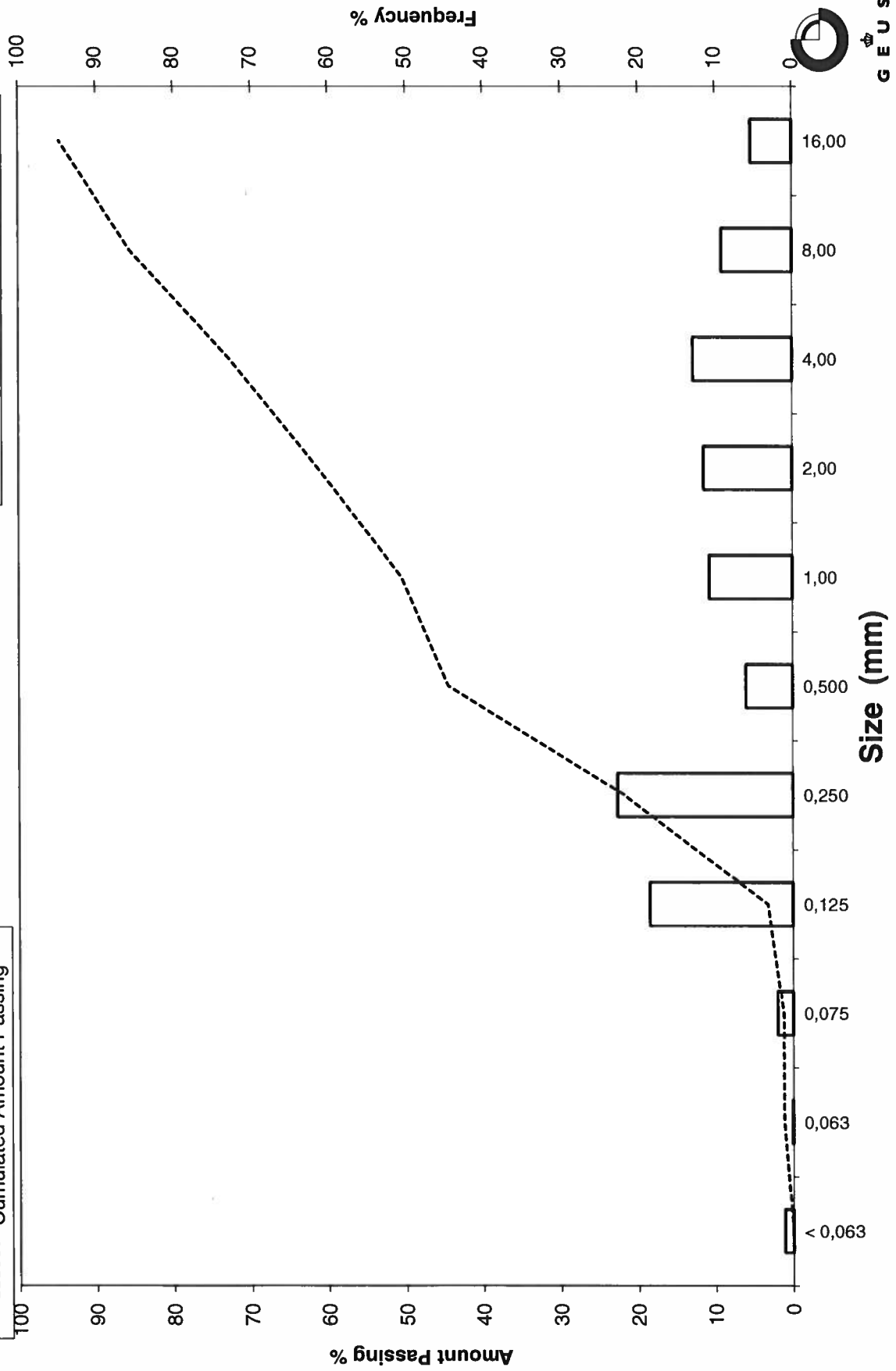
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: VKY 57, 140-188

Frequency Percent  
Cumulated Amount Passing



G E U S

# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 59, 0-44  
**Lab. Id:** 200507  
**Projekt** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 98,31 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated<br>amount<br>passing |
|---------|--------|--------|--------|--------------------------------|
| mm      | Φ      | g      | %      | %                              |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                         |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                         |
| 4,00    | -2,00  | 0,39   | 0,40   | 99,60                          |
| 2,00    | -1,00  | 0,30   | 0,31   | 99,30                          |
| 1,00    | 0,00   | 0,89   | 0,91   | 98,39                          |
| 0,500   | 1,00   | 20,14  | 20,49  | 77,91                          |
| 0,250   | 2,00   | 50,66  | 51,53  | 26,38                          |
| 0,125   | 3,00   | 24,05  | 24,46  | 1,91                           |
| 0,075   | 3,74   | 1,15   | 1,17   | 0,74                           |
| 0,063   | 3,99   | 0,07   | 0,07   | 0,67                           |
| < 0,063 | > 3,99 | 0,66   | 0,67   | 0,00                           |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,67     |
| Sand, fine (0,063 mm - 0,200 mm): | 25,70    |
| Sand, medium (0,2 mm - 0,6 mm):   | 61,29    |
| Sand, coarse (0,6 mm - 2 mm):     | 11,64    |
| Gravel (> 2 mm):                  | 0,70     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,68  | 0,57 |
| 16%             | 84%            | 0,56  | 0,83 |
| 25%             | 75%            | 0,35  | 1,52 |
| 40%             | 60%            | 0,32  | 1,65 |
| Median 50%      | 50%            | 0,30  | 1,75 |
| 75%             | 25%            | 0,18  | 2,50 |
| 84%             | 16%            | 0,16  | 2,67 |
| 90%             | 10%            | 0,14  | 2,80 |
| 95%             | 5%             | 0,13  | 2,92 |

### Moments Statistics

|                        |      |
|------------------------|------|
| Mean                   | 1,75 |
| Sorting                | 0,82 |
| Skewness               | 0,00 |
| Kurtosis               | 0,98 |
| Uniformity Coefficient | 2,22 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles  
are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

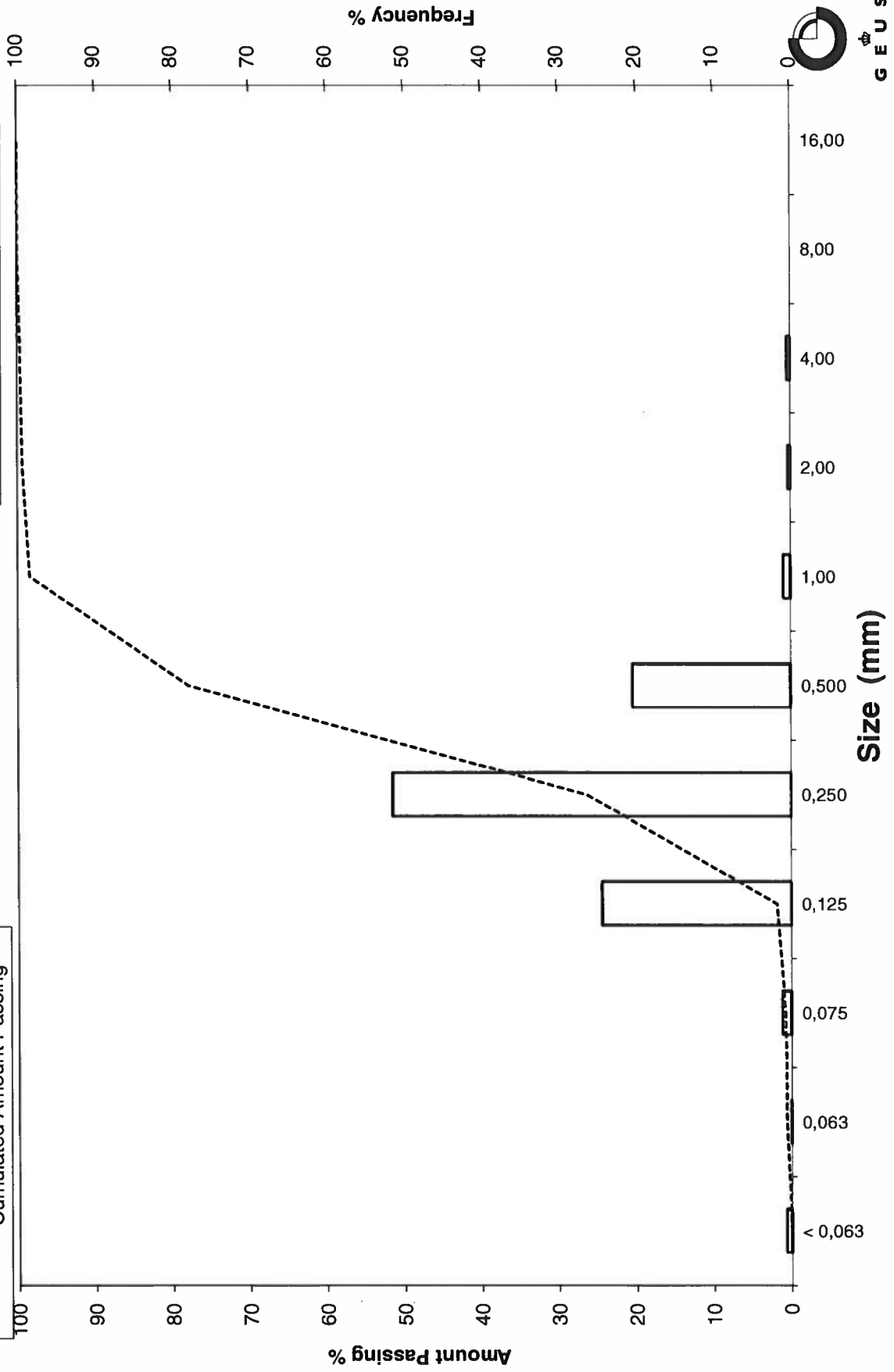
Mean, sorting, skewness and kurtosis are based on  
"Amount in sieve". Uniformity coefficient is based on  
"Amount passing".

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# Grain Size Distribution

Sample Id: VKY 59, 0-44

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 63, 0-100  
**Lab. Id:** 200484  
**Projekt:** MST Råstofkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 112,22 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount |
|---------|--------|--------|--------|------------------|
| mm      | Φ      | g      | %      | amount passing % |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00           |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00           |
| 4,00    | -2,00  | 0,17   | 0,15   | 99,85            |
| 2,00    | -1,00  | 2,17   | 1,93   | 97,91            |
| 1,00    | 0,00   | 4,31   | 3,84   | 94,07            |
| 0,500   | 1,00   | 14,95  | 13,32  | 80,75            |
| 0,250   | 2,00   | 76,35  | 68,04  | 12,72            |
| 0,125   | 3,00   | 12,72  | 11,33  | 1,38             |
| 0,075   | 3,74   | 0,70   | 0,62   | 0,76             |
| 0,063   | 3,99   | 0,07   | 0,06   | 0,70             |
| < 0,063 | > 3,99 | 0,78   | 0,70   | 0,00             |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,70     |
| Sand, fine (0,063 mm - 0,200 mm): | 12,02    |
| Sand, medium (0,2 mm - 0,6 mm):   | 74,38    |
| Sand, coarse (0,6 mm - 2 mm):     | 10,82    |
| Gravel (> 2 mm):                  | 2,09     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 1,10  | -0,13 |
| 16%             | 84%            | 0,55  | 0,86  |
| 25%             | 75%            | 0,35  | 1,53  |
| 40%             | 60%            | 0,32  | 1,63  |
| Median 50%      | 50%            | 0,31  | 1,70  |
| 75%             | 25%            | 0,27  | 1,89  |
| 84%             | 16%            | 0,26  | 1,97  |
| 90%             | 10%            | 0,17  | 2,58  |
| 95%             | 5%             | 0,14  | 2,81  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 1,51  |
| Sorting                | 0,72  |
| Skewness               | -0,38 |
| Kurtosis               | 3,31  |
| Uniformity Coefficient | 1,94  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgg-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

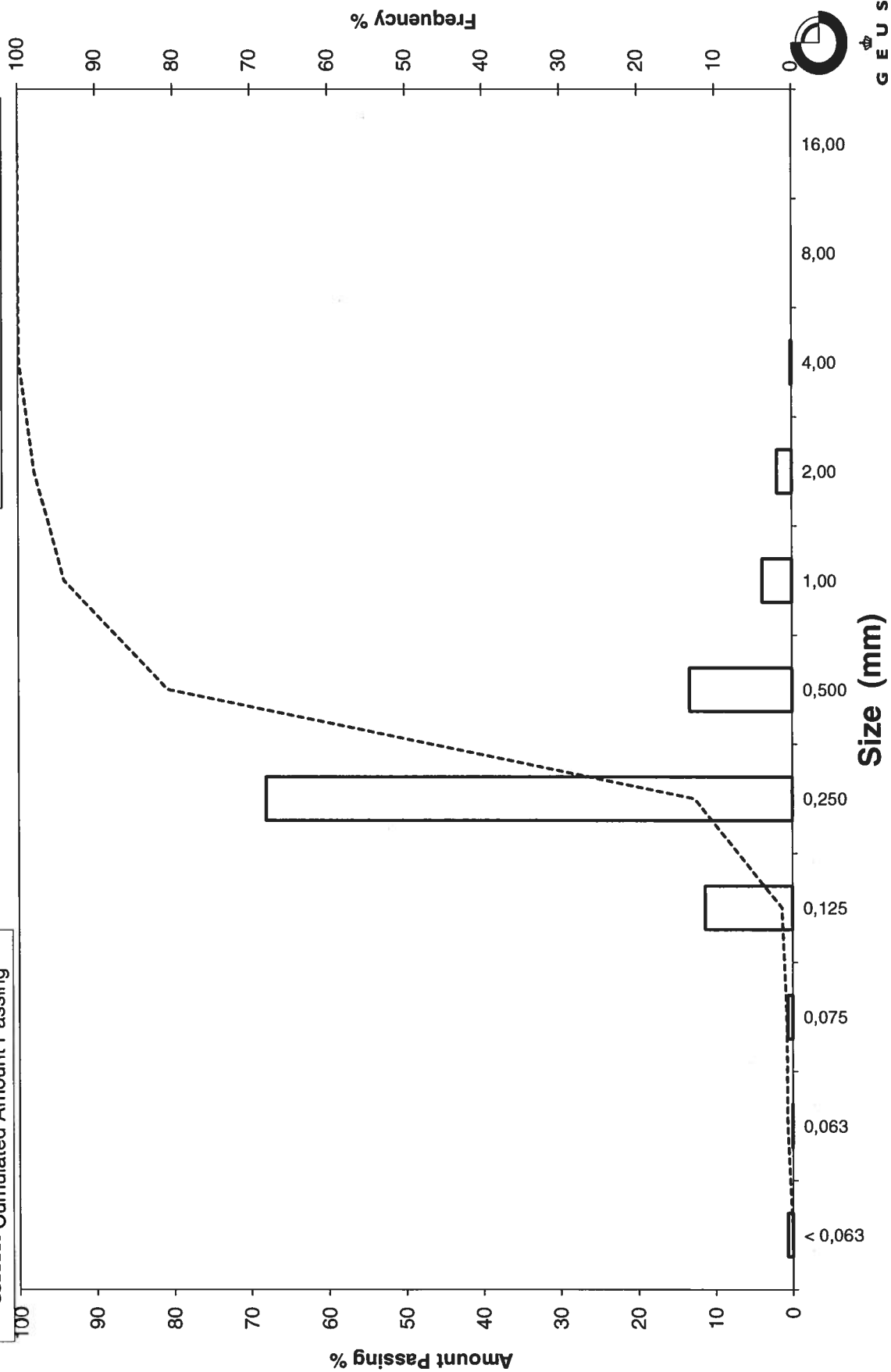
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# Grain Size Distribution

Sample Id: VKY 63, 0-100

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 64, 67-94  
**Lab. Id:** 200508  
**Projekt:** MST Råstofkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 151,15 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated<br>amount<br>passing |
|---------|--------|--------|--------|--------------------------------|
| mm      | Φ      | g      | %      | %                              |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                         |
| 8,00    | -3,00  | 3,34   | 2,21   | 97,79                          |
| 4,00    | -2,00  | 7,24   | 4,79   | 93,00                          |
| 2,00    | -1,00  | 89,86  | 59,45  | 33,55                          |
| 1,00    | 0,00   | 11,52  | 7,62   | 25,93                          |
| 0,500   | 1,00   | 3,47   | 2,30   | 23,63                          |
| 0,250   | 2,00   | 10,13  | 6,70   | 16,93                          |
| 0,125   | 3,00   | 21,71  | 14,36  | 2,57                           |
| 0,075   | 3,74   | 1,87   | 1,24   | 1,33                           |
| 0,063   | 3,99   | 0,20   | 0,13   | 1,20                           |
| < 0,063 | > 3,99 | 1,81   | 1,20   | 0,00                           |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 1,20     |
| Sand, fine (0,063 mm - 0,200 mm): | 15,73    |
| Sand, medium (0,2 mm - 0,6 mm):   | 7,80     |
| Sand, coarse (0,6 mm - 2 mm):     | 8,82     |
| Gravel (> 2 mm):                  | 66,45    |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 5,67  | -2,50 |
| 16%             | 84%            | 2,68  | -1,42 |
| 25%             | 75%            | 2,56  | -1,35 |
| 40%             | 60%            | 2,36  | -1,24 |
| Median 50%      | 50%            | 2,22  | -1,15 |
| 75%             | 25%            | 0,63  | 0,68  |
| 84%             | 16%            | 0,18  | 2,50  |
| 90%             | 10%            | 0,15  | 2,70  |
| 95%             | 5%             | 0,13  | 2,90  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | -0,02 |
| Sorting                | 1,80  |
| Skewness               | 0,68  |
| Kurtosis               | 1,09  |
| Uniformity Coefficient | 15,35 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles  
are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

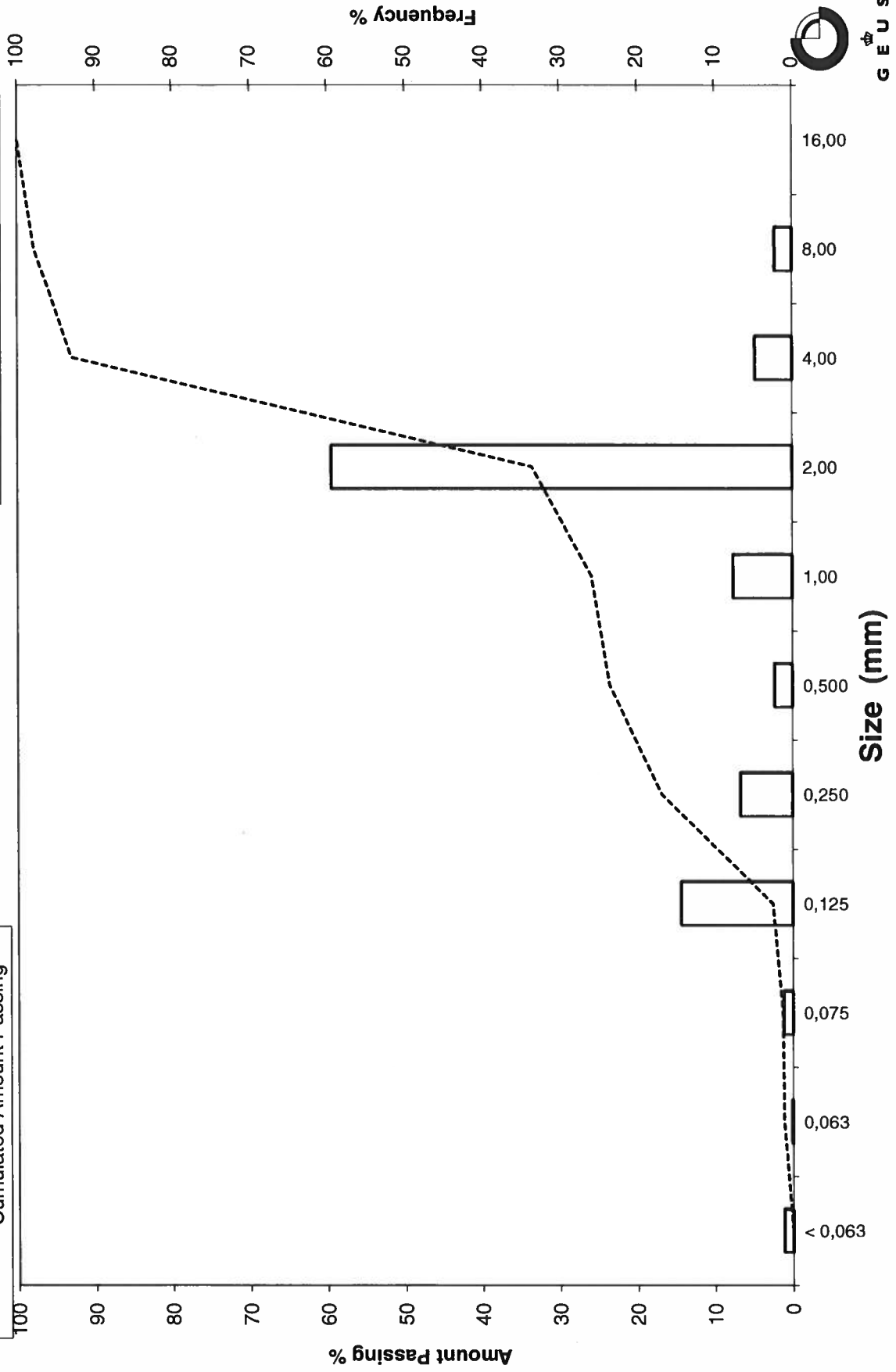
Mean, sorting, skewness and kurtosis are based on  
"Amount in sieve". Uniformity coefficient is based on  
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# Grain Size Distribution

Sample Id: VKY 64, 67-94

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 65, 0-140  
**Lab. Id:** 200509  
**Projekt:** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >4mm heraf 0,9g skaller



**Total Weight** 103,18 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated<br>amount<br>passing |
|---------|--------|--------|--------|--------------------------------|
| mm      | Φ      | g      | %      | %                              |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                         |
| 8,00    | -3,00  | 0,38   | 0,37   | 99,63                          |
| 4,00    | -2,00  | 0,35   | 0,34   | 99,29                          |
| 2,00    | -1,00  | 0,49   | 0,47   | 98,82                          |
| 1,00    | 0,00   | 0,93   | 0,90   | 97,92                          |
| 0,500   | 1,00   | 8,14   | 7,89   | 90,03                          |
| 0,250   | 2,00   | 36,70  | 35,57  | 54,46                          |
| 0,125   | 3,00   | 47,46  | 46,00  | 8,46                           |
| 0,075   | 3,74   | 7,58   | 7,35   | 1,11                           |
| 0,063   | 3,99   | 0,22   | 0,21   | 0,90                           |
| < 0,063 | > 3,99 | 0,93   | 0,90   | 0,00                           |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,90     |
| Sand, fine (0,063 mm - 0,200 mm): | 53,56    |
| Sand, medium (0,2 mm - 0,6 mm):   | 39,33    |
| Sand, coarse (0,6 mm - 2 mm):     | 5,03     |
| Gravel (> 2 mm):                  | 1,18     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,63  | 0,66 |
| 16%             | 84%            | 0,34  | 1,57 |
| 25%             | 75%            | 0,31  | 1,69 |
| 40%             | 60%            | 0,27  | 1,91 |
| Median 50%      | 50%            | 0,17  | 2,52 |
| 75%             | 25%            | 0,14  | 2,79 |
| 84%             | 16%            | 0,13  | 2,90 |
| 90%             | 10%            | 0,13  | 2,98 |
| 95%             | 5%             | 0,08  | 3,59 |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 2,33  |
| Sorting                | 0,78  |
| Skewness               | -0,35 |
| Kurtosis               | 1,09  |
| Uniformity Coefficient | 2,10  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles  
are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

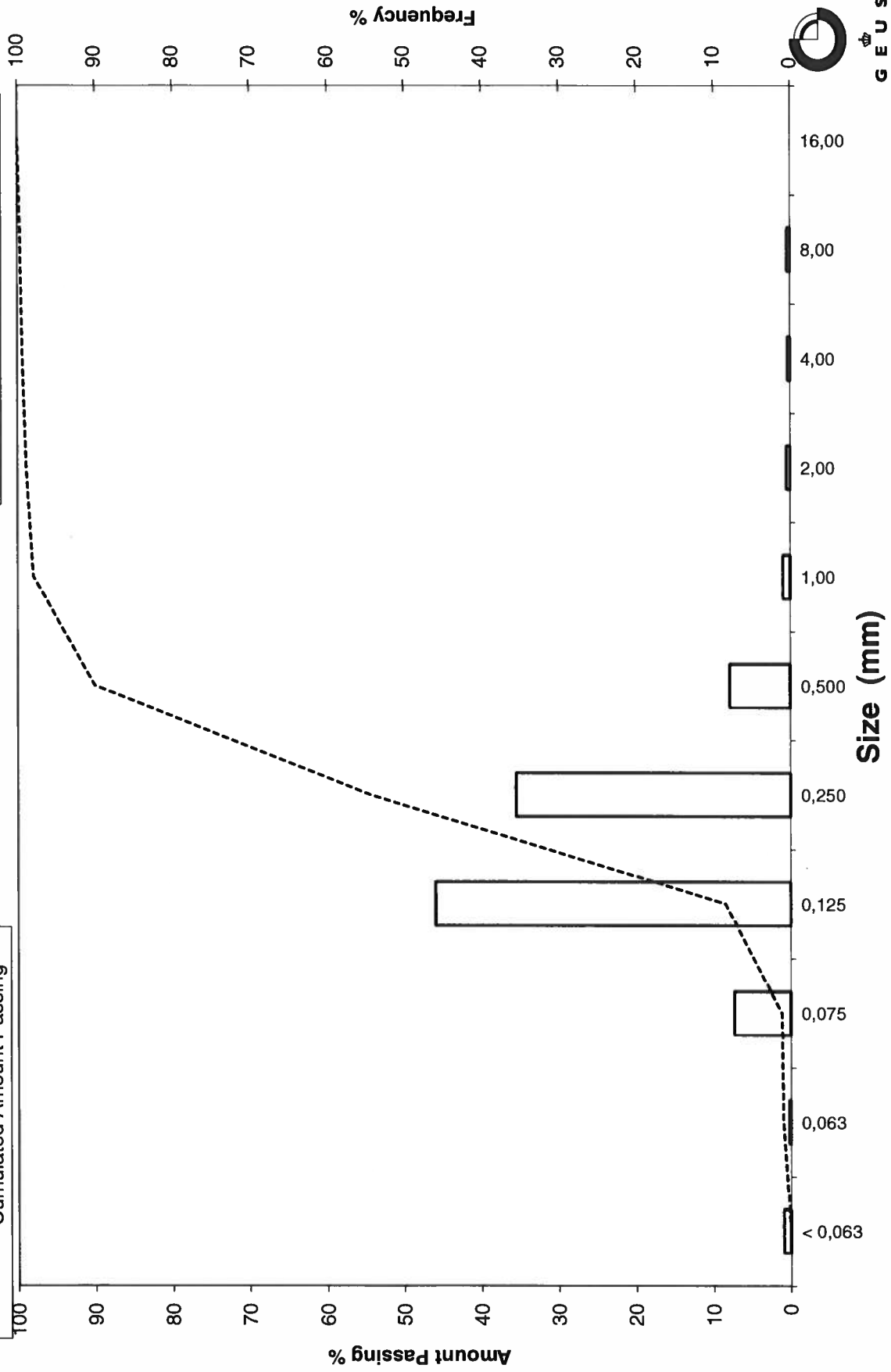
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: VKY 65, 0-140

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 67, 0-300  
**Lab. Id:** 200510  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >2mm heraf 0,5g skaller



**Total Weight** 97,17 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount |
|---------|--------|--------|--------|------------------|
| mm      | Φ      | g      | %      | amount passing % |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00           |
| 8,00    | -3,00  | 0,33   | 0,34   | 99,66            |
| 4,00    | -2,00  | 0,26   | 0,27   | 99,39            |
| 2,00    | -1,00  | 0,23   | 0,24   | 99,16            |
| 1,00    | 0,00   | 0,60   | 0,62   | 98,54            |
| 0,500   | 1,00   | 10,05  | 10,34  | 88,20            |
| 0,250   | 2,00   | 38,17  | 39,28  | 48,91            |
| 0,125   | 3,00   | 38,93  | 40,06  | 8,85             |
| 0,075   | 3,74   | 7,41   | 7,63   | 1,22             |
| 0,063   | 3,99   | 0,23   | 0,24   | 0,99             |
| < 0,063 | > 3,99 | 0,96   | 0,99   | 0,00             |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,99     |
| Sand, fine (0,063 mm - 0,200 mm): | 47,93    |
| Sand, medium (0,2 mm - 0,6 mm):   | 44,21    |
| Sand, coarse (0,6 mm - 2 mm):     | 6,04     |
| Gravel (> 2 mm):                  | 0,84     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,64  | 0,65 |
| 16%             | 84%            | 0,34  | 1,54 |
| 25%             | 75%            | 0,32  | 1,65 |
| 40%             | 60%            | 0,28  | 1,84 |
| Median 50%      | 50%            | 0,25  | 1,98 |
| 75%             | 25%            | 0,15  | 2,76 |
| 84%             | 16%            | 0,13  | 2,89 |
| 90%             | 10%            | 0,13  | 2,98 |
| 95%             | 5%             | 0,08  | 3,60 |

### Moments Statistics

|                        |      |
|------------------------|------|
| Mean                   | 2,14 |
| Sorting                | 0,79 |
| Skewness               | 0,22 |
| Kurtosis               | 1,08 |
| Uniformity Coefficient | 2,21 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

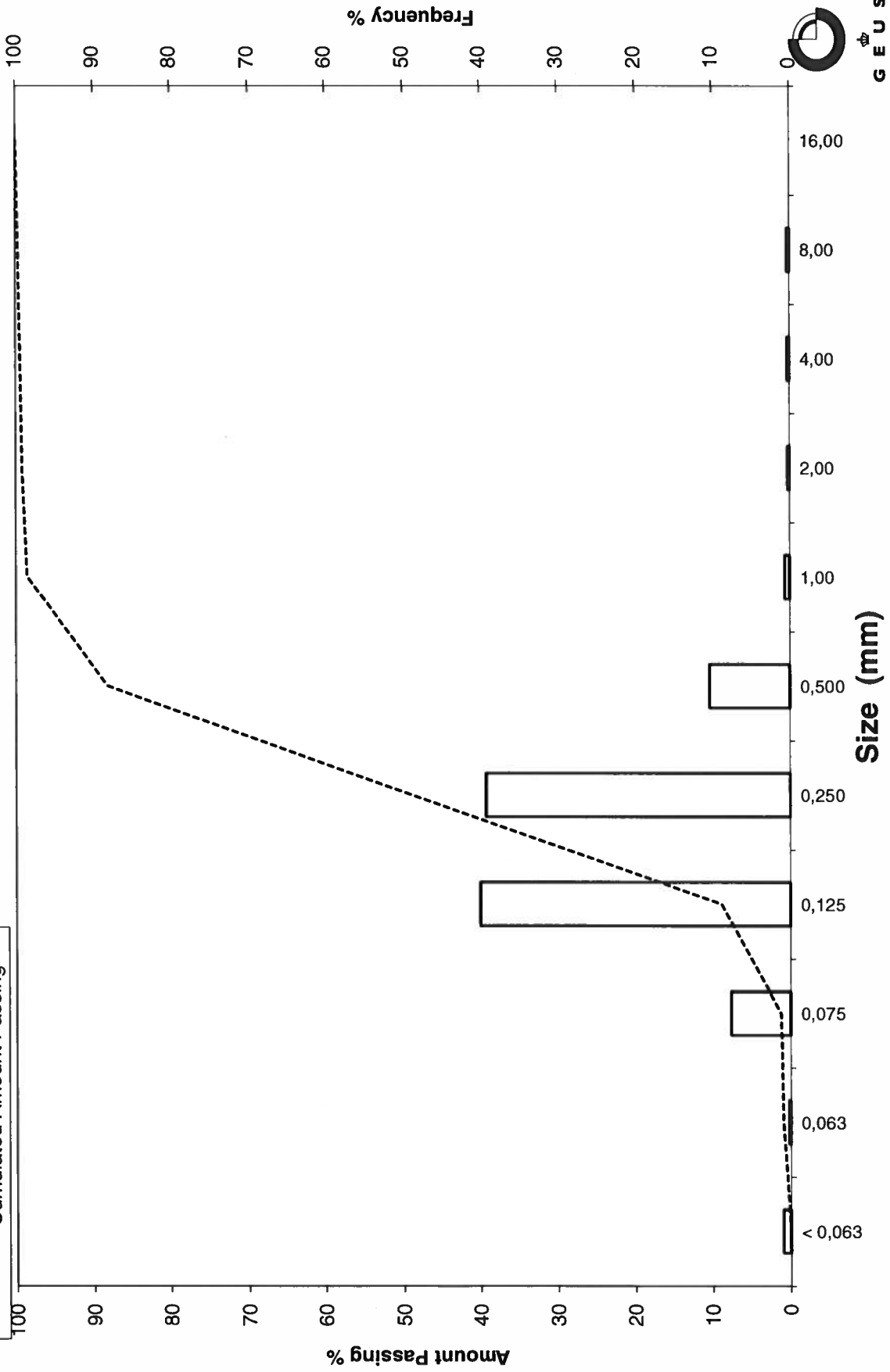
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: VKY 67, 0-300

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 67, 320-390  
**Lab. Id:** 200511  
**Projekt:** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 1509,18 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 249,15 | 16,51  | 83,49                    |
| 8,00    | -3,00  | 272,93 | 18,08  | 65,41                    |
| 4,00    | -2,00  | 235,93 | 15,63  | 49,77                    |
| 2,00    | -1,00  | 174,36 | 11,55  | 38,22                    |
| 1,00    | 0,00   | 146,23 | 9,69   | 28,53                    |
| 0,500   | 1,00   | 172,23 | 11,41  | 17,12                    |
| 0,250   | 2,00   | 130,58 | 8,65   | 8,47                     |
| 0,125   | 3,00   | 90,66  | 6,01   | 2,46                     |
| 0,075   | 3,74   | 22,33  | 1,48   | 0,98                     |
| 0,063   | 3,99   | 2,32   | 0,15   | 0,83                     |
| < 0,063 | > 3,99 | 12,47  | 0,83   | 0,00                     |

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,83     |
| Sand, fine (0,063 mm - 0,200 mm): | 7,64     |
| Sand, medium (0,2 mm - 0,6 mm):   | 14,09    |
| Sand, coarse (0,6 mm - 2 mm):     | 15,67    |
| Gravel (> 2 mm):                  | 61,78    |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | ----- | ----- |
| 16%             | 84%            | ----- | ----- |
| 25%             | 75%            | 12,24 | -3,61 |
| 40%             | 60%            | 6,62  | -2,73 |
| Median 50%      | 50%            | 4,06  | -2,02 |
| 75%             | 25%            | 0,65  | 0,63  |
| 84%             | 16%            | 0,34  | 1,55  |
| 90%             | 10%            | 0,27  | 1,90  |
| 95%             | 5%             | 0,15  | 2,75  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | -0,24 |
| Sorting                | ----- |
| Skewness               | ----- |
| Kurtosis               | ----- |
| Uniformity Coefficient | 24,63 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

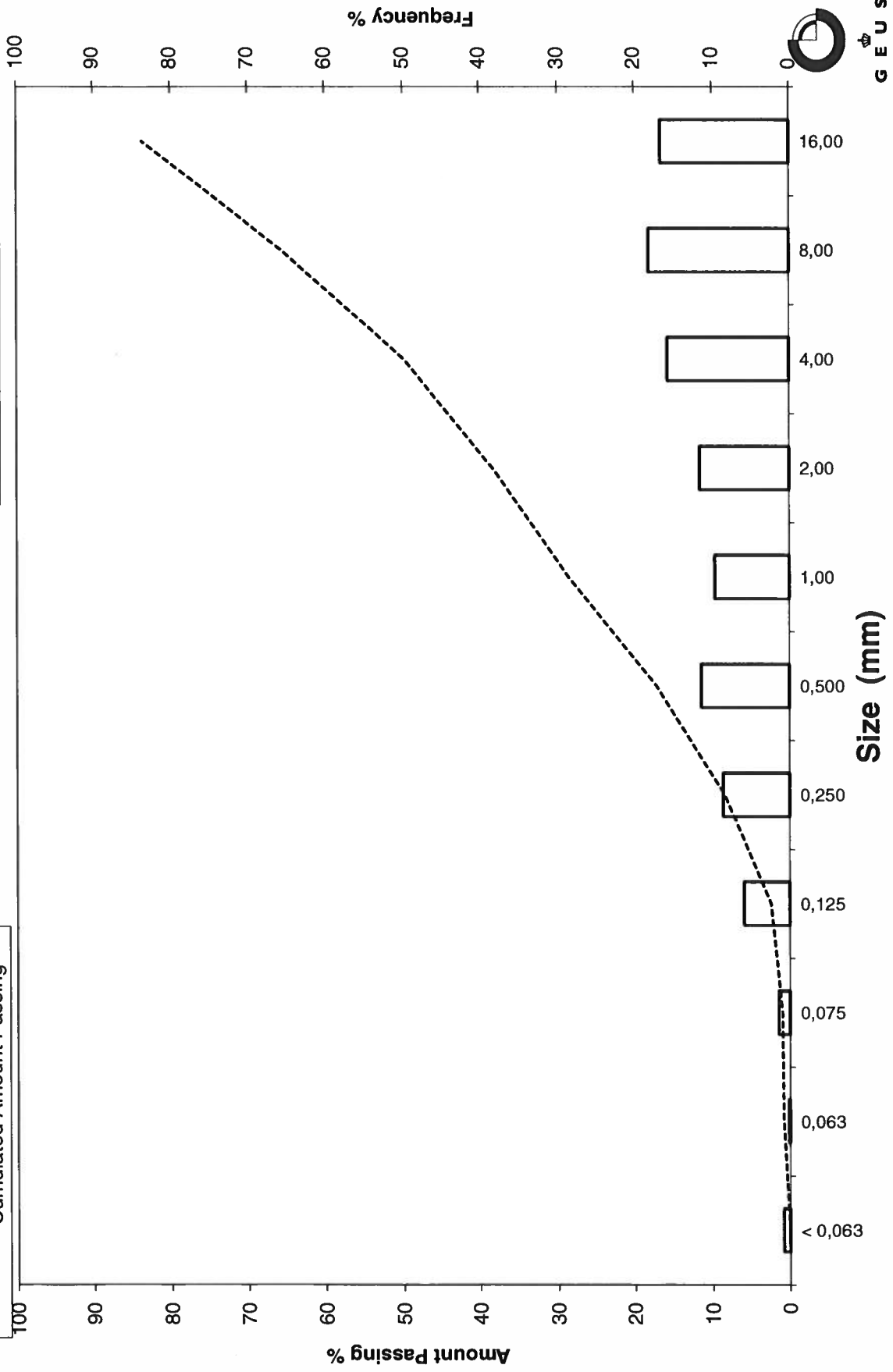
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# Grain Size Distribution

Sample Id: VKY 67, 320-390

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 70, 0-86  
**Lab. Id:** 200512  
**Projekt:** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >4mm heraf 52 g skaller



**Total Weight** 1229,36 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated<br>amount<br>passing |
|---------|--------|--------|--------|--------------------------------|
| mm      | Φ      | g      | %      | %                              |
| 16,00   | -4,00  | 71,64  | 5,83   | 94,17                          |
| 8,00    | -3,00  | 159,16 | 12,95  | 81,23                          |
| 4,00    | -2,00  | 69,59  | 5,66   | 75,57                          |
| 2,00    | -1,00  | 37,58  | 3,06   | 72,51                          |
| 1,00    | 0,00   | 80,22  | 6,53   | 65,98                          |
| 0,500   | 1,00   | 431,04 | 35,06  | 30,92                          |
| 0,250   | 2,00   | 310,95 | 25,29  | 5,63                           |
| 0,125   | 3,00   | 61,63  | 5,01   | 0,61                           |
| 0,075   | 3,74   | 3,08   | 0,25   | 0,36                           |
| 0,063   | 3,99   | 0,00   | 0,00   | 0,36                           |
| < 0,063 | > 3,99 | 4,47   | 0,36   | 0,00                           |

Gravel

Sand

Sieve Analysis

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,36     |
| Sand, fine (0,063 mm - 0,200 mm): | 5,26     |
| Sand, medium (0,2 mm - 0,6 mm):   | 41,99    |
| Sand, coarse (0,6 mm - 2 mm):     | 24,89    |
| Gravel (> 2 mm):                  | 27,49    |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | ----- | ----- |
| 16%             | 84%            | 9,71  | -3,28 |
| 25%             | 75%            | 2,65  | -1,41 |
| 40%             | 60%            | 0,67  | 0,57  |
| Median 50%      | 50%            | 0,61  | 0,70  |
| 75%             | 25%            | 0,33  | 1,60  |
| 84%             | 16%            | 0,29  | 1,77  |
| 90%             | 10%            | 0,27  | 1,90  |
| 95%             | 5%             | 0,17  | 2,53  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | -0,27 |
| Sorting                | ----- |
| Skewness               | ----- |
| Kurtosis               | ----- |
| Uniformity Coefficient | 2,51  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles  
are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

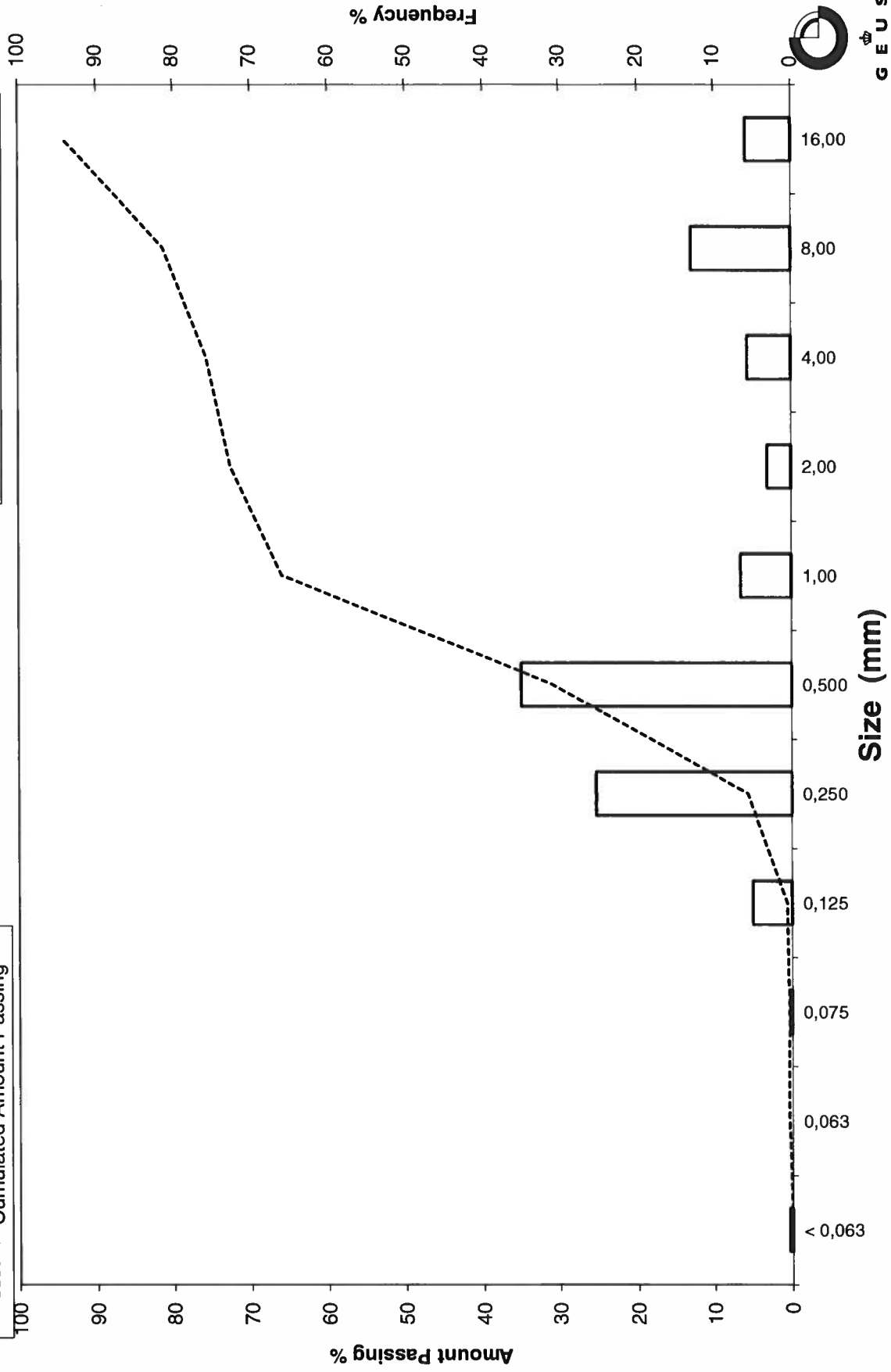
Mean, sorting, skewness and kurtosis are based on  
"Amount in sieve". Uniformity coefficient is based on  
"Amount passing".

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# Grain Size Distribution

Sample Id: VKY 70, 0-86

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 76, 0-100  
**Lab. Id:** 200513  
**Projekt** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >4mm heraf 22 g skaller



**Total Weight** 1285,7 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 53,15  | 4,13   | 95,87                    |
| 8,00    | -3,00  | 69,28  | 5,39   | 90,48                    |
| 4,00    | -2,00  | 59,13  | 4,60   | 85,88                    |
| 2,00    | -1,00  | 436,33 | 33,94  | 51,94                    |
| 1,00    | 0,00   | 393,24 | 30,59  | 21,36                    |
| 0,500   | 1,00   | 112,71 | 8,77   | 12,59                    |
| 0,250   | 2,00   | 96,47  | 7,50   | 5,09                     |
| 0,125   | 3,00   | 23,71  | 1,84   | 3,24                     |
| 0,075   | 3,74   | 30,27  | 2,35   | 0,89                     |
| 0,063   | 3,99   | 4,64   | 0,36   | 0,53                     |
| < 0,063 | > 3,99 | 6,76   | 0,53   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,53     |
| Sand, fine (0,063 mm - 0,200 mm): | 4,56     |
| Sand, medium (0,2 mm - 0,6 mm):   | 11,68    |
| Sand, coarse (0,6 mm - 2 mm):     | 35,18    |
| Gravel (> 2 mm):                  | 48,06    |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 14,71 | -3,88 |
| 16%             | 84%            | 2,76  | -1,46 |
| 25%             | 75%            | 2,54  | -1,35 |
| 40%             | 60%            | 2,19  | -1,13 |
| Median 50%      | 50%            | 1,37  | -0,46 |
| 75%             | 25%            | 1,05  | -0,07 |
| 84%             | 16%            | 0,58  | 0,78  |
| 90%             | 10%            | 0,32  | 1,65  |
| 95%             | 5%             | 0,18  | 2,49  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | -0,38 |
| Sorting                | 1,53  |
| Skewness               | 0,02  |
| Kurtosis               | 2,04  |
| Uniformity Coefficient | 6,87  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

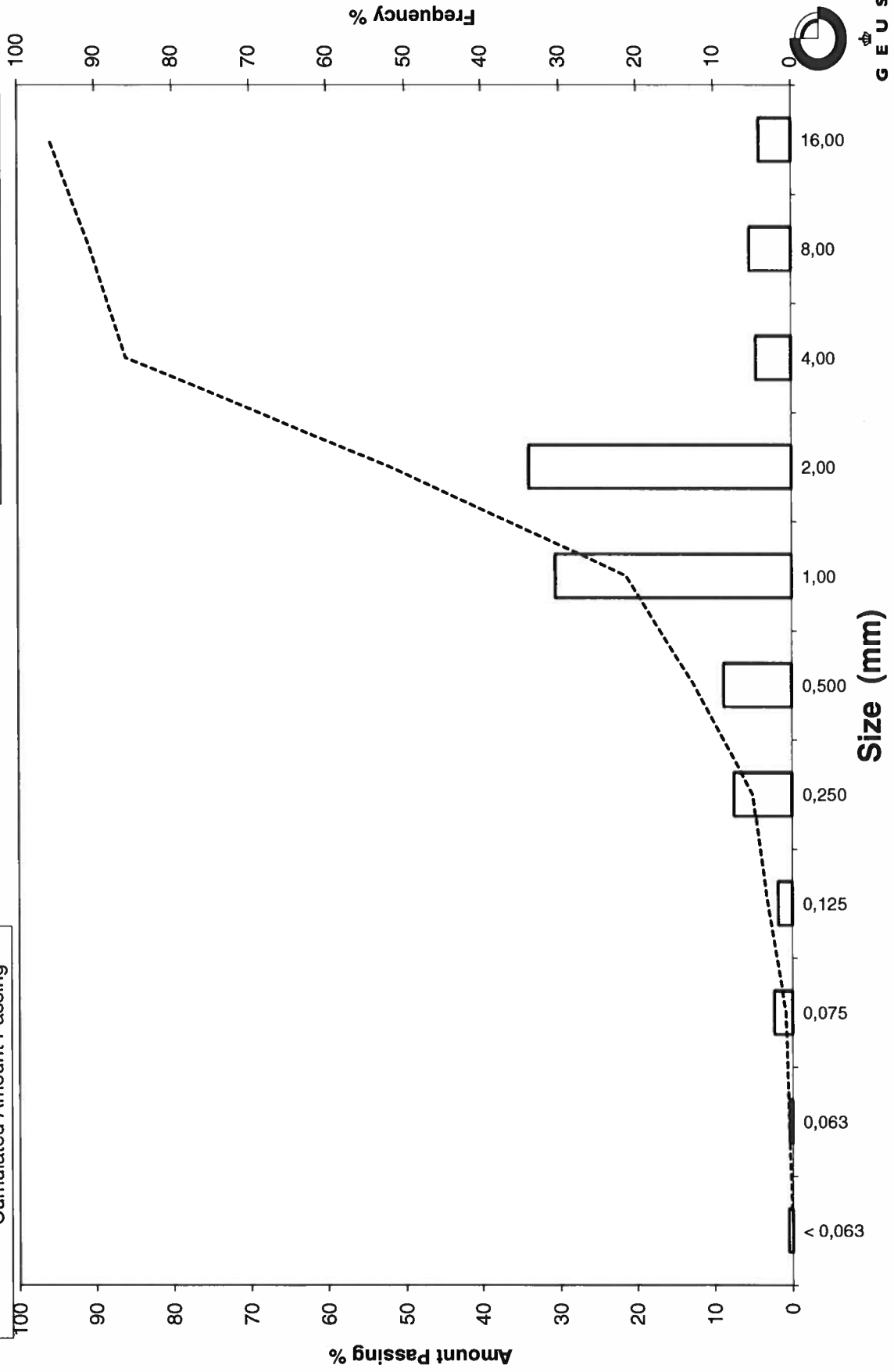
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: VKY 76, 0-100

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

Geotechnical

**Sample Id:** VKY 77, 0-200  
**Lab. Id:** 200514  
**Projekt** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >2mm heraf 0,1g skaller



**Total Weight** 104,45 g

## Size Fractions

| Size    | Size   | Weight | Weight | Cumulated<br>amount<br>passing |
|---------|--------|--------|--------|--------------------------------|
| mm      | Φ      | g      | %      | %                              |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                         |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                         |
| 4,00    | -2,00  | 0,04   | 0,04   | 99,96                          |
| 2,00    | -1,00  | 0,40   | 0,38   | 99,58                          |
| 1,00    | 0,00   | 2,31   | 2,21   | 97,37                          |
| 0,500   | 1,00   | 21,61  | 20,69  | 76,68                          |
| 0,250   | 2,00   | 65,05  | 62,28  | 14,40                          |
| 0,125   | 3,00   | 13,32  | 12,75  | 1,65                           |
| 0,075   | 3,74   | 0,82   | 0,79   | 0,86                           |
| 0,063   | 3,99   | 0,06   | 0,06   | 0,80                           |
| < 0,063 | > 3,99 | 0,84   | 0,80   | 0,00                           |

Sieve Analysis

Gravel

Sand

## Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,80     |
| Sand, fine (0,063 mm - 0,200 mm): | 13,60    |
| Sand, medium (0,2 mm - 0,6 mm):   | 72,13    |
| Sand, coarse (0,6 mm - 2 mm):     | 13,05    |
| Gravel (> 2 mm):                  | 0,42     |
| Sum:                              | 100,00   |

## Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,69  | 0,54 |
| 16%             | 84%            | 0,57  | 0,80 |
| 25%             | 75%            | 0,35  | 1,51 |
| 40%             | 60%            | 0,33  | 1,61 |
| Median 50%      | 50%            | 0,31  | 1,69 |
| 75%             | 25%            | 0,27  | 1,90 |
| 84%             | 16%            | 0,25  | 1,98 |
| 90%             | 10%            | 0,16  | 2,63 |
| 95%             | 5%             | 0,14  | 2,84 |

## Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 1,49  |
| Sorting                | 0,64  |
| Skewness               | -0,25 |
| Kurtosis               | 2,39  |
| Uniformity Coefficient | 2,03  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles  
are found by linear interpolation

## Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

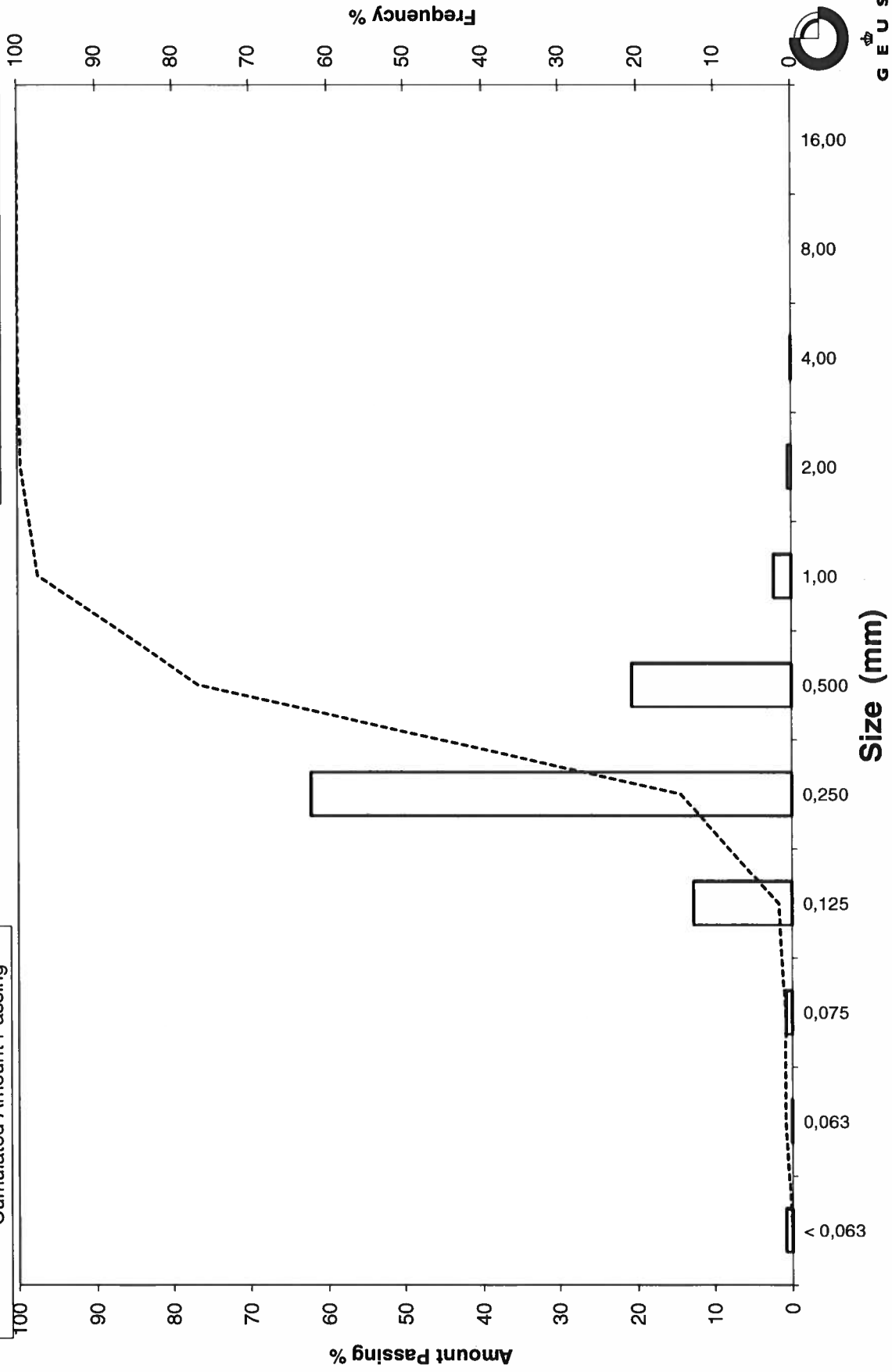
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: VKY 77, 0-200

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 77, 225-325  
**Lab. Id:** 200515  
**Projekt** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >16mm heraf 65g >32mm og  
 fraktionen >4mm heraf 15 g skaller



**Total Weight** 1037,67 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated        |
|---------|--------|--------|--------|------------------|
| mm      | Φ      | g      | %      | amount passing % |
| 16,00   | -4,00  | 224,56 | 21,64  | 78,36            |
| 8,00    | -3,00  | 63,63  | 6,13   | 72,23            |
| 4,00    | -2,00  | 29,47  | 2,84   | 69,39            |
| 2,00    | -1,00  | 14,67  | 1,41   | 67,97            |
| 1,00    | 0,00   | 19,84  | 1,91   | 66,06            |
| 0,500   | 1,00   | 143,34 | 13,81  | 52,25            |
| 0,250   | 2,00   | 434,61 | 41,88  | 10,36            |
| 0,125   | 3,00   | 96,93  | 9,34   | 1,02             |
| 0,075   | 3,74   | 4,04   | 0,39   | 0,64             |
| 0,063   | 3,99   | 0,35   | 0,03   | 0,60             |
| < 0,063 | > 3,99 | 6,24   | 0,60   | 0,00             |

Gravel

Sand

Sieve Analysis

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,60     |
| Sand, fine (0,063 mm - 0,200 mm): | 9,76     |
| Sand, medium (0,2 mm - 0,6 mm):   | 48,46    |
| Sand, coarse (0,6 mm - 2 mm):     | 9,15     |
| Gravel (> 2 mm):                  | 32,03    |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | ----- | ----- |
| 16%             | 84%            | ----- | ----- |
| 25%             | 75%            | 11,62 | -3,54 |
| 40%             | 60%            | 0,62  | 0,69  |
| Median 50%      | 50%            | 0,35  | 1,52  |
| 75%             | 25%            | 0,29  | 1,80  |
| 84%             | 16%            | 0,26  | 1,92  |
| 90%             | 10%            | 0,18  | 2,49  |
| 95%             | 5%             | 0,15  | 2,75  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 1,72  |
| Sorting                | ----- |
| Skewness               | ----- |
| Kurtosis               | ----- |
| Uniformity Coefficient | 3,47  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles  
are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgr-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

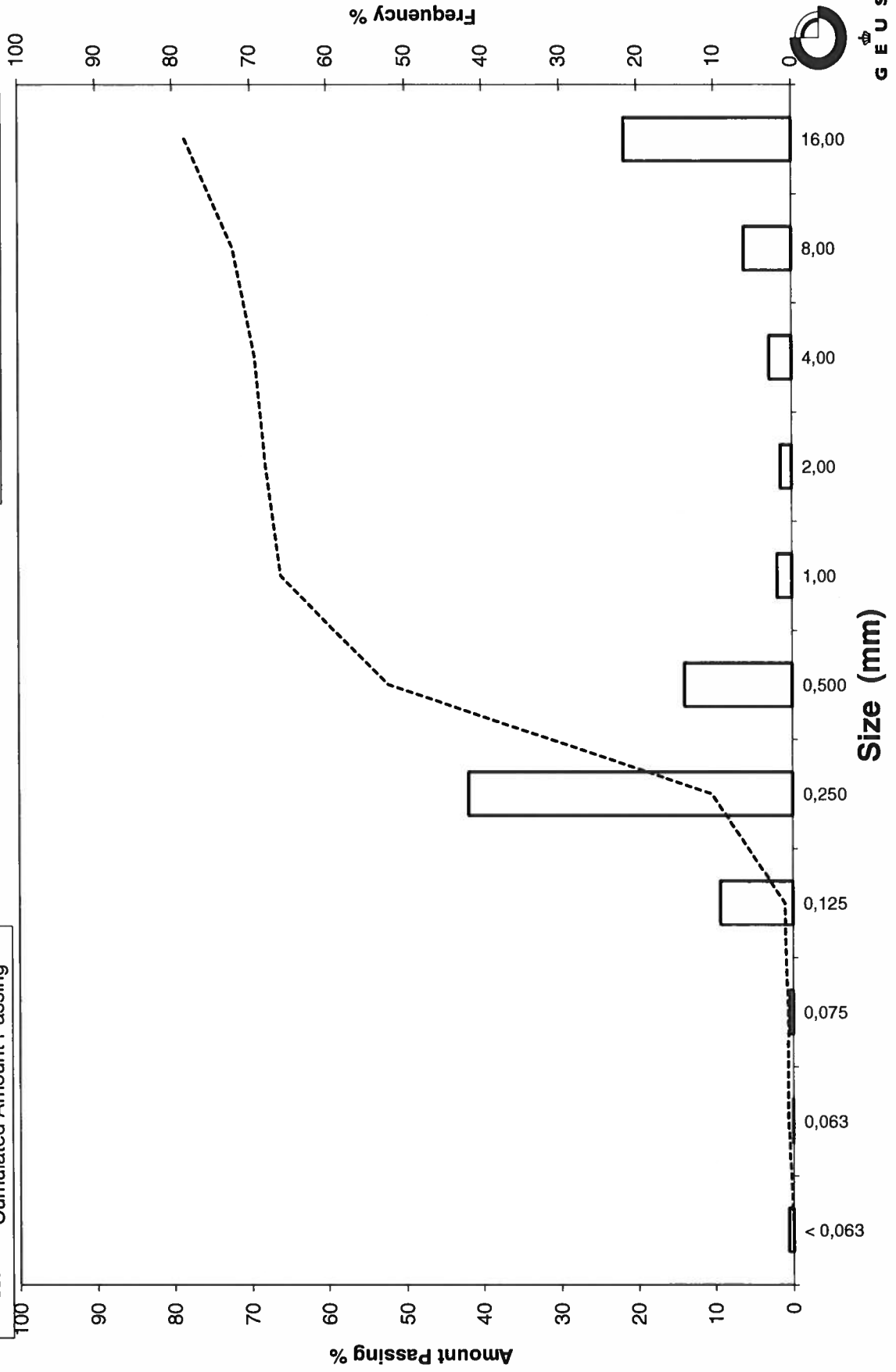
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# Grain Size Distribution

Sample Id: VKY 77, 225-325

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 78, 0-200  
**Lab. Id:** 200516  
**Projekt:** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >2mm heraf 0,3 g skaller



**Total Weight** 101,29 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,17   | 0,17   | 99,83                    |
| 2,00    | -1,00  | 0,25   | 0,25   | 99,59                    |
| 1,00    | 0,00   | 0,33   | 0,33   | 99,26                    |
| 0,500   | 1,00   | 9,65   | 9,53   | 89,73                    |
| 0,250   | 2,00   | 34,86  | 34,42  | 55,32                    |
| 0,125   | 3,00   | 44,96  | 44,39  | 10,93                    |
| 0,075   | 3,74   | 9,33   | 9,21   | 1,72                     |
| 0,063   | 3,99   | 0,38   | 0,38   | 1,34                     |
| < 0,063 | > 3,99 | 1,36   | 1,34   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 1,34     |
| Sand, fine (0,063 mm - 0,200 mm): | 53,97    |
| Sand, medium (0,2 mm - 0,6 mm):   | 38,95    |
| Sand, coarse (0,6 mm - 2 mm):     | 5,32     |
| Gravel (> 2 mm):                  | 0,41     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,62  | 0,70 |
| 16%             | 84%            | 0,34  | 1,57 |
| 25%             | 75%            | 0,31  | 1,69 |
| 40%             | 60%            | 0,26  | 1,92 |
| Median 50%      | 50%            | 0,17  | 2,53 |
| 75%             | 25%            | 0,14  | 2,81 |
| 84%             | 16%            | 0,13  | 2,93 |
| 90%             | 10%            | 0,09  | 3,50 |
| 95%             | 5%             | 0,08  | 3,64 |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 2,34  |
| Sorting                | 0,79  |
| Skewness               | -0,33 |
| Kurtosis               | 1,07  |
| Uniformity Coefficient | 2,99  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

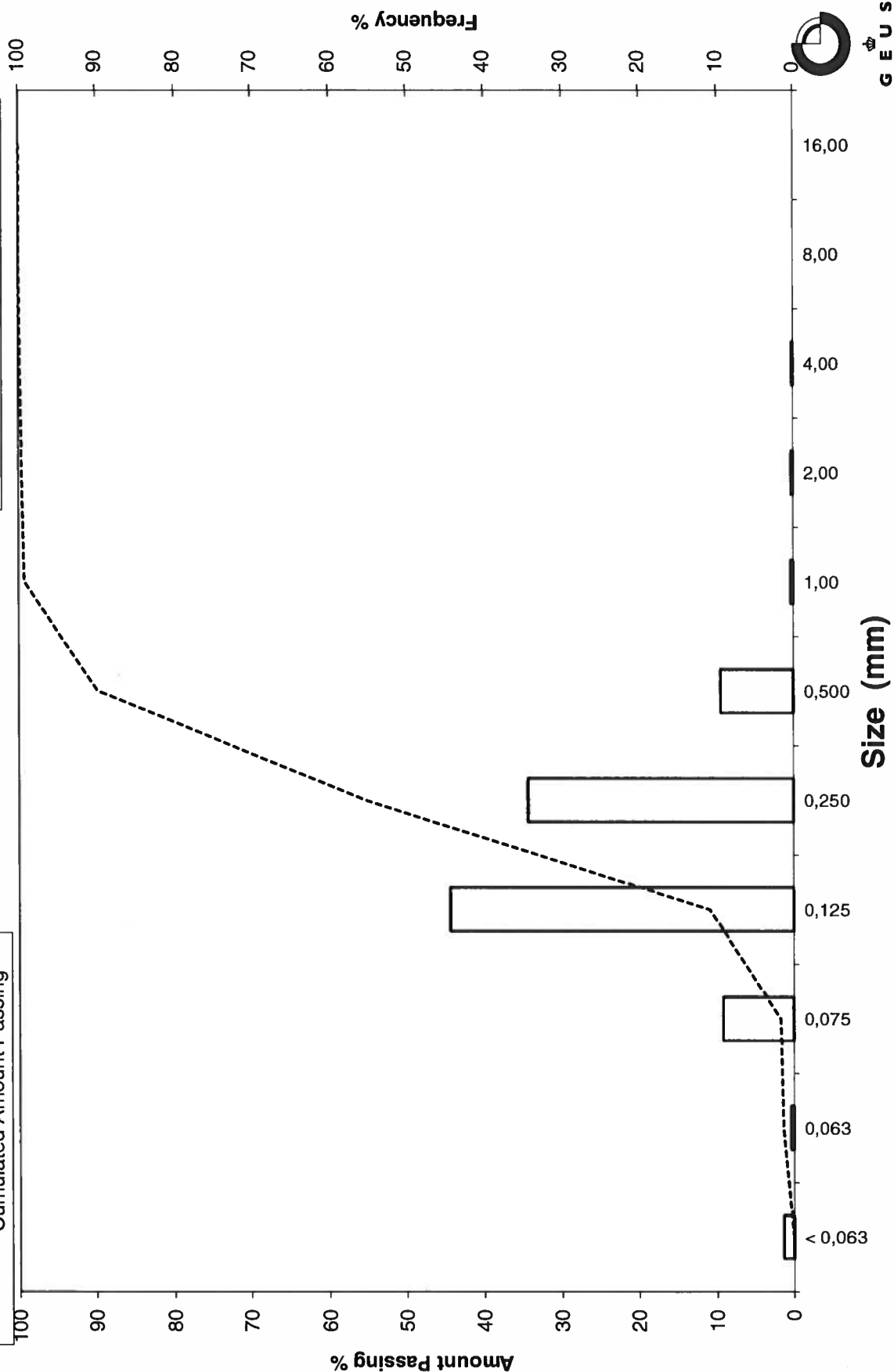
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: VKY 78, 0-200

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 81, 0-40  
**Lab. Id:** 200517  
**Projekt** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >4mm heraf 29 g skaller



**Total Weight** 1091,11 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated<br>amount<br>passing |
|---------|--------|--------|--------|--------------------------------|
| mm      | Φ      | g      | %      | %                              |
| 16,00   | -4,00  | 55,59  | 5,09   | 94,91                          |
| 8,00    | -3,00  | 91,82  | 8,42   | 86,49                          |
| 4,00    | -2,00  | 97,07  | 8,90   | 77,59                          |
| 2,00    | -1,00  | 79,09  | 7,25   | 70,34                          |
| 1,00    | 0,00   | 417,51 | 38,26  | 32,08                          |
| 0,500   | 1,00   | 153,76 | 14,09  | 17,99                          |
| 0,250   | 2,00   | 154,87 | 14,19  | 3,79                           |
| 0,125   | 3,00   | 31,71  | 2,91   | 0,89                           |
| 0,075   | 3,74   | 3,13   | 0,29   | 0,60                           |
| 0,063   | 3,99   | 0,46   | 0,04   | 0,56                           |
| < 0,063 | > 3,99 | 6,08   | 0,56   | 0,00                           |

Gravel

Sand

Sieve Analysis

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight %      |
|-----------------------------------|---------------|
| Silt and clay (< 0,063 mm):       | 0,56          |
| Sand, fine (0,063 mm - 0,200 mm): | 3,24          |
| Sand, medium (0,2 mm - 0,6 mm):   | 20,90         |
| Sand, coarse (0,6 mm - 2 mm):     | 45,65         |
| Gravel (> 2 mm):                  | 29,66         |
| <b>Sum:</b>                       | <b>100,00</b> |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | ----- | ----- |
| 16%             | 84%            | 6,88  | -2,78 |
| 25%             | 75%            | 2,51  | -1,33 |
| 40%             | 60%            | 1,29  | -0,37 |
| Median 50%      | 50%            | 1,19  | -0,25 |
| 75%             | 25%            | 0,60  | 0,73  |
| 84%             | 16%            | 0,34  | 1,56  |
| 90%             | 10%            | 0,30  | 1,76  |
| 95%             | 5%             | 0,26  | 1,95  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | -0,49 |
| Sorting                | ----- |
| Skewness               | ----- |
| Kurtosis               | ----- |
| Uniformity Coefficient | 4,37  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles  
are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

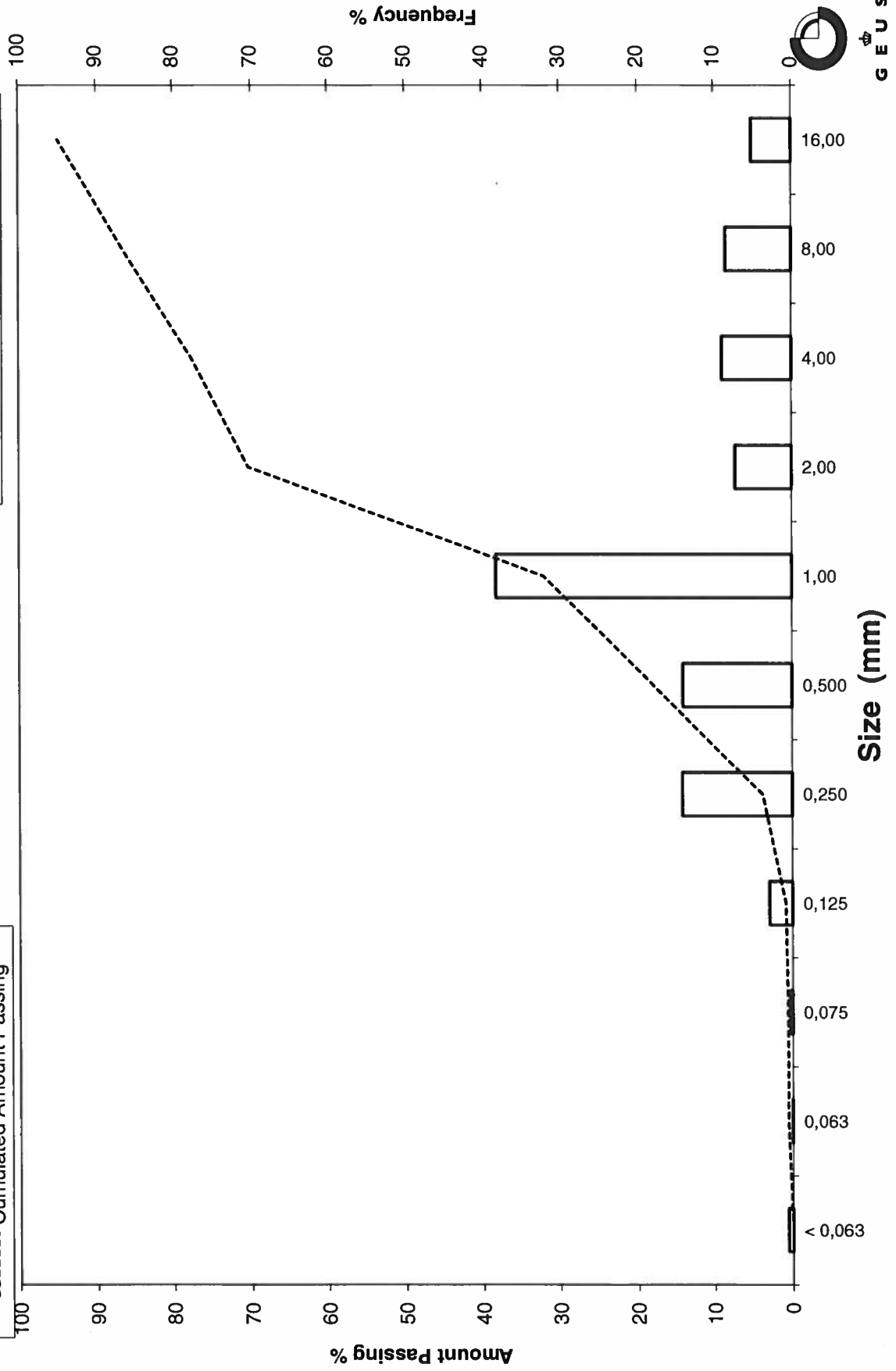
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: VKY 81, 0-40

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 82, 0-200  
**Lab. Id:** 200518  
**Projekt** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >4mm består af skaller



**Total Weight** 101,75 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,05   | 0,05   | 99,95                    |
| 2,00    | -1,00  | 1,01   | 0,99   | 98,96                    |
| 1,00    | 0,00   | 1,93   | 1,90   | 97,06                    |
| 0,500   | 1,00   | 17,00  | 16,71  | 80,35                    |
| 0,250   | 2,00   | 72,39  | 71,14  | 9,21                     |
| 0,125   | 3,00   | 8,18   | 8,04   | 1,17                     |
| 0,075   | 3,74   | 0,37   | 0,36   | 0,81                     |
| 0,063   | 3,99   | 0,03   | 0,03   | 0,78                     |
| < 0,063 | > 3,99 | 0,79   | 0,78   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,78     |
| Sand, fine (0,063 mm - 0,200 mm): | 8,43     |
| Sand, medium (0,2 mm - 0,6 mm):   | 79,10    |
| Sand, coarse (0,6 mm - 2 mm):     | 10,65    |
| Gravel (> 2 mm):                  | 1,04     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,68  | 0,55 |
| 16%             | 84%            | 0,55  | 0,87 |
| 25%             | 75%            | 0,35  | 1,53 |
| 40%             | 60%            | 0,32  | 1,62 |
| Median 50%      | 50%            | 0,31  | 1,69 |
| 75%             | 25%            | 0,27  | 1,87 |
| 84%             | 16%            | 0,26  | 1,94 |
| 90%             | 10%            | 0,25  | 1,99 |
| 95%             | 5%             | 0,15  | 2,73 |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 1,50  |
| Sorting                | 0,60  |
| Skewness               | -0,29 |
| Kurtosis               | 2,59  |
| Uniformity Coefficient | 1,29  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

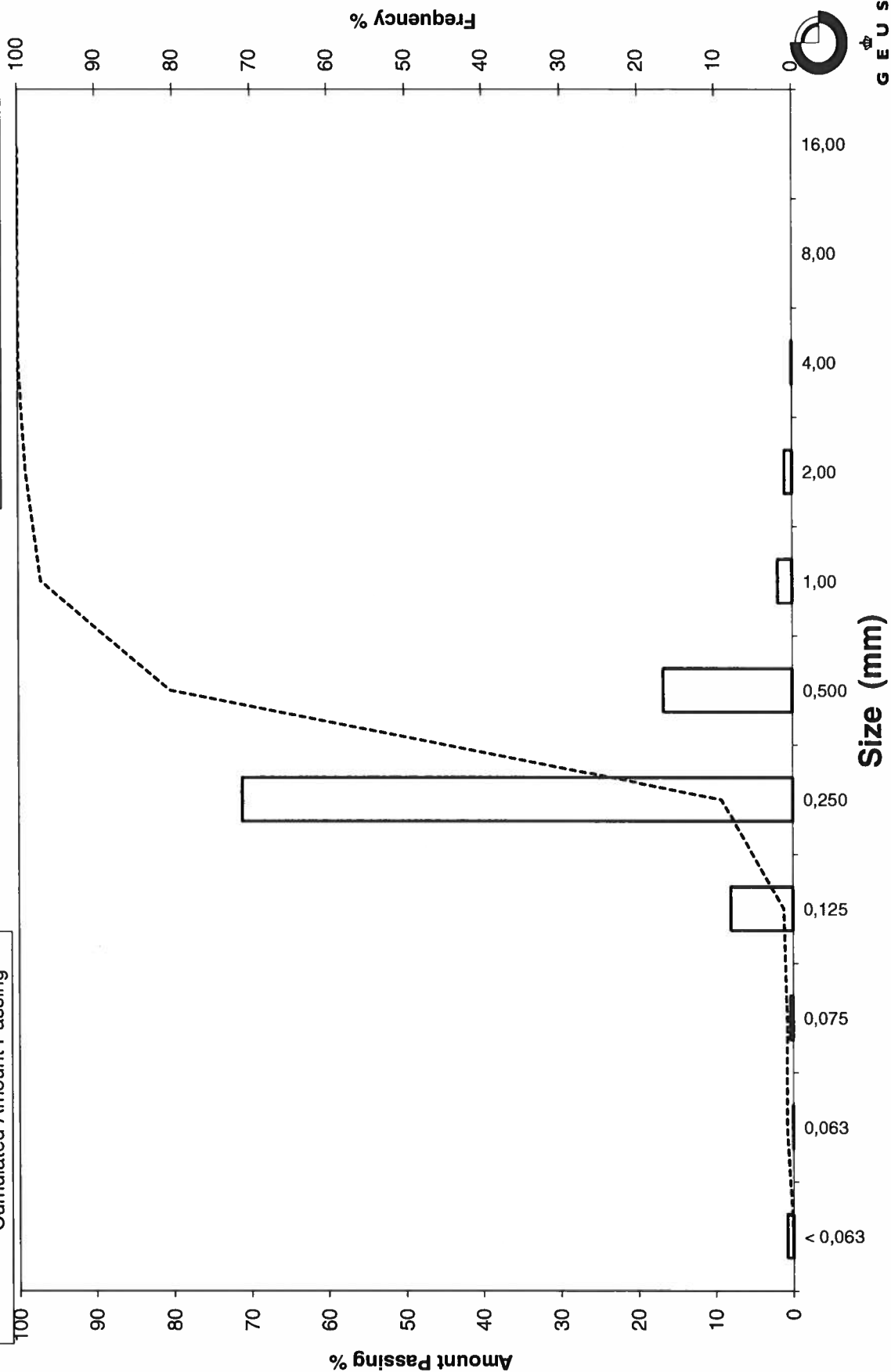
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: VKY 82, 0-200

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

Geotechnical

**Sample Id:** VKY 82, 230-310  
**Lab. Id:** 200519  
**Projekt** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >16mm heraf 37 g >32mm og  
fraktionen >4mm heraf 4,5g skaller



**Total Weight** 1205,68 g

## Size Fractions

| Size    | Size   | Weight | Weight | Cumulated<br>amount<br>passing |
|---------|--------|--------|--------|--------------------------------|
| mm      | Φ      | g      | %      | %                              |
| 16,00   | -4,00  | 335,93 | 27,86  | 72,14                          |
| 8,00    | -3,00  | 201,42 | 16,71  | 55,43                          |
| 4,00    | -2,00  | 94,96  | 7,88   | 47,56                          |
| 2,00    | -1,00  | 39,92  | 3,31   | 44,24                          |
| 1,00    | 0,00   | 30,61  | 2,54   | 41,71                          |
| 0,500   | 1,00   | 76,22  | 6,32   | 35,38                          |
| 0,250   | 2,00   | 339,80 | 28,18  | 7,20                           |
| 0,125   | 3,00   | 75,86  | 6,29   | 0,91                           |
| 0,075   | 3,74   | 4,78   | 0,40   | 0,51                           |
| 0,063   | 3,99   | 0,55   | 0,05   | 0,47                           |
| < 0,063 | > 3,99 | 5,63   | 0,47   | 0,00                           |

Gravel

Sand

Sieve Analysis

## Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,47     |
| Sand, fine (0,063 mm - 0,200 mm): | 6,73     |
| Sand, medium (0,2 mm - 0,6 mm):   | 31,19    |
| Sand, coarse (0,6 mm - 2 mm):     | 5,85     |
| Gravel (> 2 mm):                  | 55,76    |
| Sum:                              | 100,00   |

## Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | ----- | ----- |
| 16%             | 84%            | ----- | ----- |
| 25%             | 75%            | ----- | ----- |
| 40%             | 60%            | 10,19 | -3,35 |
| Median 50%      | 50%            | 5,24  | -2,39 |
| 75%             | 25%            | 0,32  | 1,66  |
| 84%             | 16%            | 0,28  | 1,82  |
| 90%             | 10%            | 0,26  | 1,94  |
| 95%             | 5%             | 0,16  | 2,64  |

## Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | -0,28 |
| Sorting                | ----- |
| Skewness               | ----- |
| Kurtosis               | ----- |
| Uniformity Coefficient | 39,12 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles  
are found by linear interpolation

## Formulas

Mean ( $\phi_{16\%} + \phi_{84\%} + \phi_{50\%}$ ) / 3 (Folk and Ward 1957)

Sorting ( $\phi_{84\%} - \phi_{16\%}$ ) / 4 + ( $\phi_{95\%} - \phi_{5\%}$ ) / 6,6 (Folk and Ward 1957)

Kurtosis ( $\phi_{95\%} - \phi_{5\%}$ ) / (2,44 \* ( $\phi_{75\%} - \phi_{25\%}$ )) (Folk and Ward 1957)

Skewness ( $\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}$ ) / (2 \* ( $\phi_{84\%} - \phi_{16\%}$ )) + ( $\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}$ ) / (2 \* ( $\phi_{95\%} - \phi_{5\%}$ )) (Folk and Ward 1957)

Uniformity Coefficient ( $d_{60\%} / d_{10\%}$ ) (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on  
"Amount in sieve". Uniformity coefficient is based on  
"Amount passing".

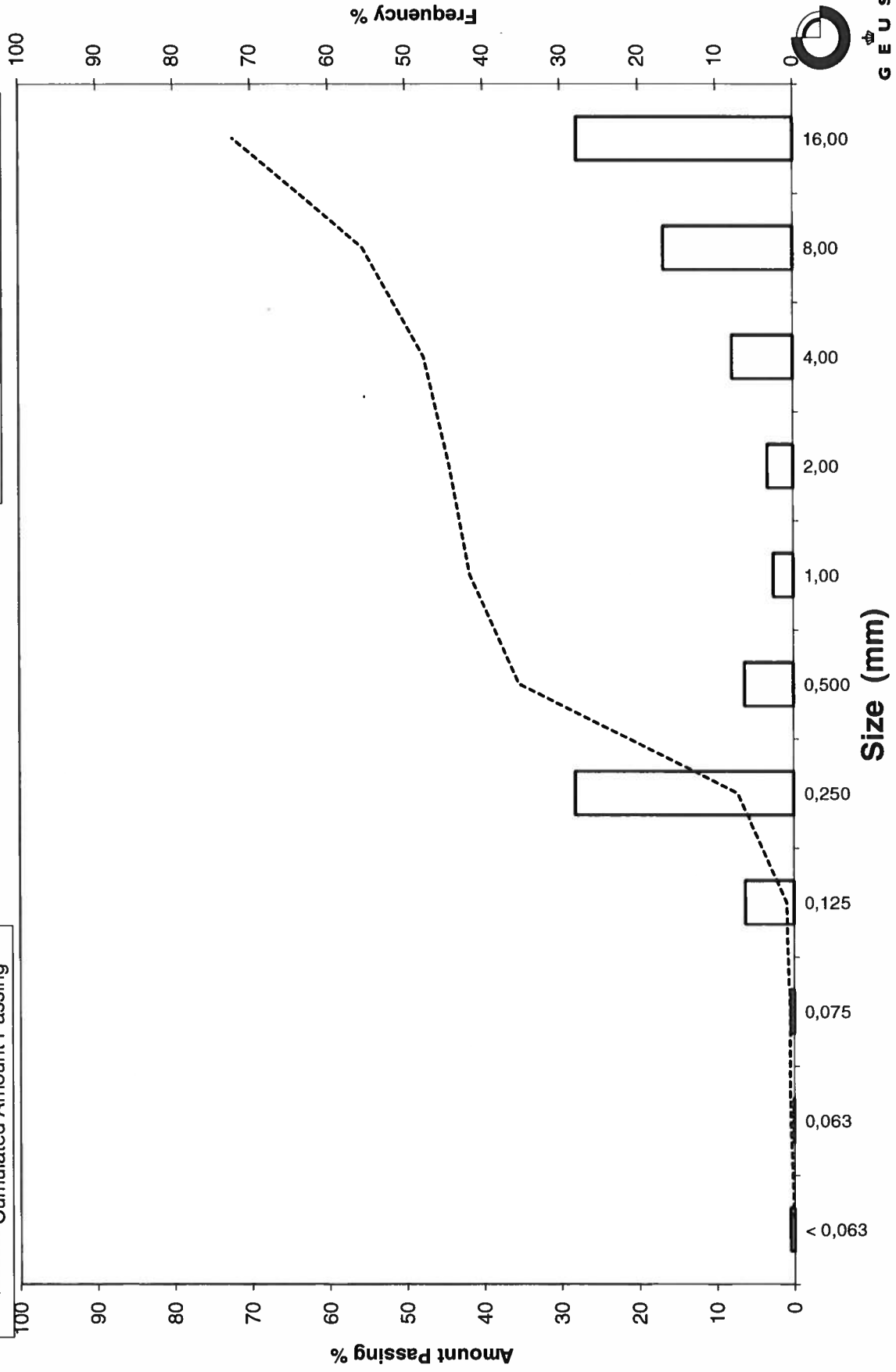
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# Grain Size Distribution

Sample Id: VKY 82, 230-310

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 83, 0-80  
**Lab. Id:** 200520  
**Projekt** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >1mm består af skaller



**Total Weight** 94,81 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,00   | 0,00   | 100,00                   |
| 2,00    | -1,00  | 0,08   | 0,08   | 99,92                    |
| 1,00    | 0,00   | 0,07   | 0,07   | 99,84                    |
| 0,500   | 1,00   | 0,73   | 0,77   | 99,07                    |
| 0,250   | 2,00   | 16,19  | 17,08  | 82,00                    |
| 0,125   | 3,00   | 55,14  | 58,16  | 23,84                    |
| 0,075   | 3,74   | 18,36  | 19,37  | 4,47                     |
| 0,063   | 3,99   | 0,89   | 0,94   | 3,53                     |
| < 0,063 | > 3,99 | 3,35   | 3,53   | 0,00                     |

Gravel

Sand

Sieve Analysis

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 3,53     |
| Sand, fine (0,063 mm - 0,200 mm): | 78,46    |
| Sand, medium (0,2 mm - 0,6 mm):   | 17,44    |
| Sand, coarse (0,6 mm - 2 mm):     | 0,48     |
| Gravel (> 2 mm):                  | 0,08     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,33  | 1,60 |
| 16%             | 84%            | 0,26  | 1,93 |
| 25%             | 75%            | 0,17  | 2,53 |
| 40%             | 60%            | 0,16  | 2,65 |
| Median 50%      | 50%            | 0,15  | 2,74 |
| 75%             | 25%            | 0,13  | 2,99 |
| 84%             | 16%            | 0,08  | 3,57 |
| 90%             | 10%            | 0,08  | 3,66 |
| 95%             | 5%             | 0,08  | 3,73 |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 2,75  |
| Sorting                | 0,73  |
| Skewness               | -0,03 |
| Kurtosis               | 1,90  |
| Uniformity Coefficient | 2,01  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

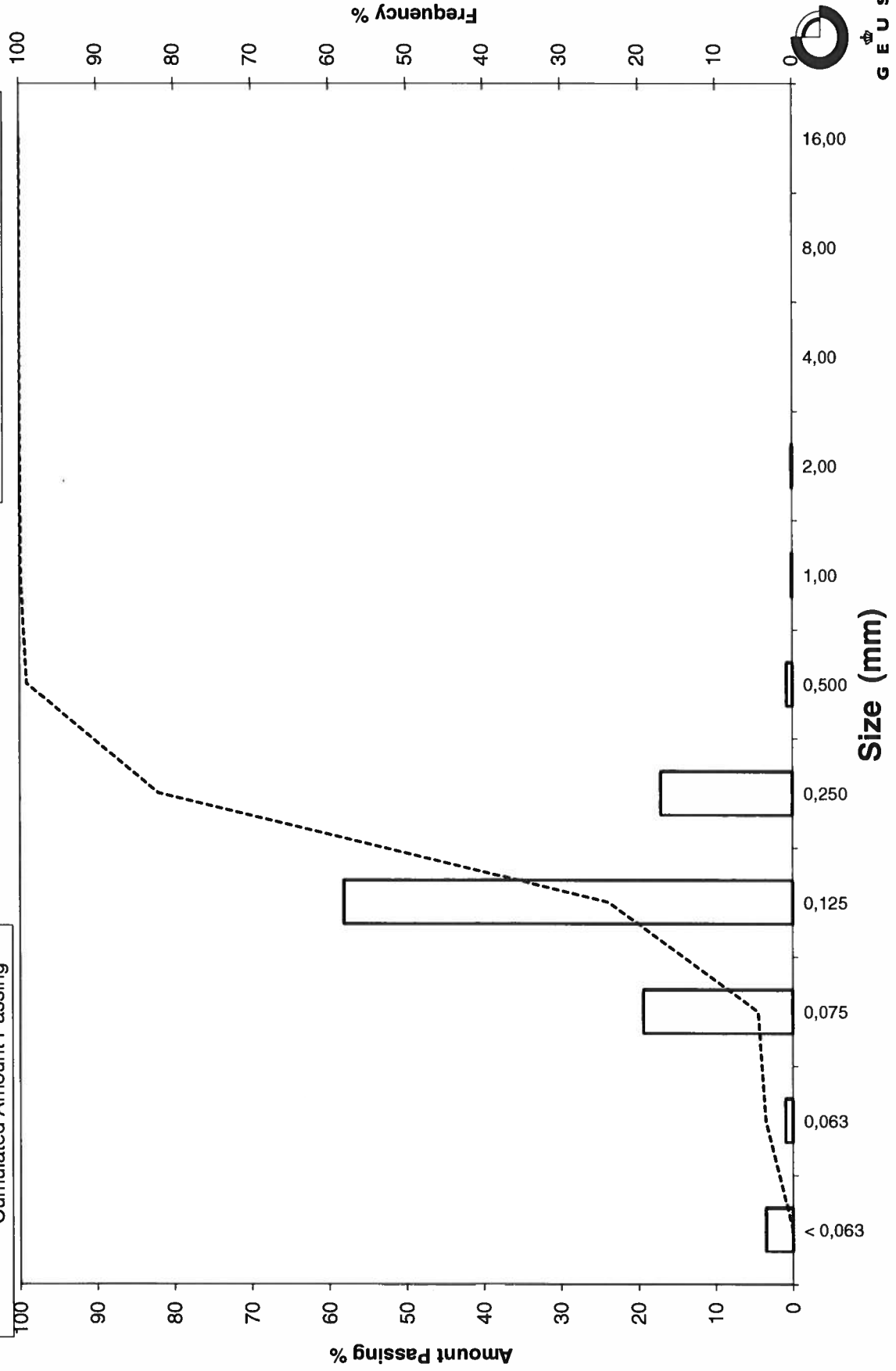
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: VKY 83, 0-80

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 85, 0-100  
**Lab. Id:** 200521  
**Projekt** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >1mm består af skaller



**Total Weight** 101,15 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated<br>amount<br>passing |
|---------|--------|--------|--------|--------------------------------|
| mm      | Φ      | g      | %      | %                              |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                         |
| 8,00    | -3,00  | 0,72   | 0,71   | 99,29                          |
| 4,00    | -2,00  | 1,19   | 1,18   | 98,11                          |
| 2,00    | -1,00  | 1,07   | 1,06   | 97,05                          |
| 1,00    | 0,00   | 1,13   | 1,12   | 95,94                          |
| 0,500   | 1,00   | 9,28   | 9,17   | 86,76                          |
| 0,250   | 2,00   | 22,73  | 22,47  | 64,29                          |
| 0,125   | 3,00   | 47,78  | 47,24  | 17,05                          |
| 0,075   | 3,74   | 14,38  | 14,22  | 2,84                           |
| 0,063   | 3,99   | 0,43   | 0,43   | 2,41                           |
| < 0,063 | > 3,99 | 2,44   | 2,41   | 0,00                           |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 2,41     |
| Sand, fine (0,063 mm - 0,200 mm): | 61,88    |
| Sand, medium (0,2 mm - 0,6 mm):   | 26,84    |
| Sand, coarse (0,6 mm - 2 mm):     | 5,92     |
| Gravel (> 2 mm):                  | 2,95     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,69  | 0,54 |
| 16%             | 84%            | 0,34  | 1,55 |
| 25%             | 75%            | 0,30  | 1,74 |
| 40%             | 60%            | 0,18  | 2,51 |
| Median 50%      | 50%            | 0,16  | 2,61 |
| 75%             | 25%            | 0,13  | 2,90 |
| 84%             | 16%            | 0,09  | 3,49 |
| 90%             | 10%            | 0,08  | 3,60 |
| 95%             | 5%             | 0,08  | 3,69 |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 2,55  |
| Sorting                | 0,96  |
| Skewness               | -0,21 |
| Kurtosis               | 1,11  |
| Uniformity Coefficient | 2,12  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles  
are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

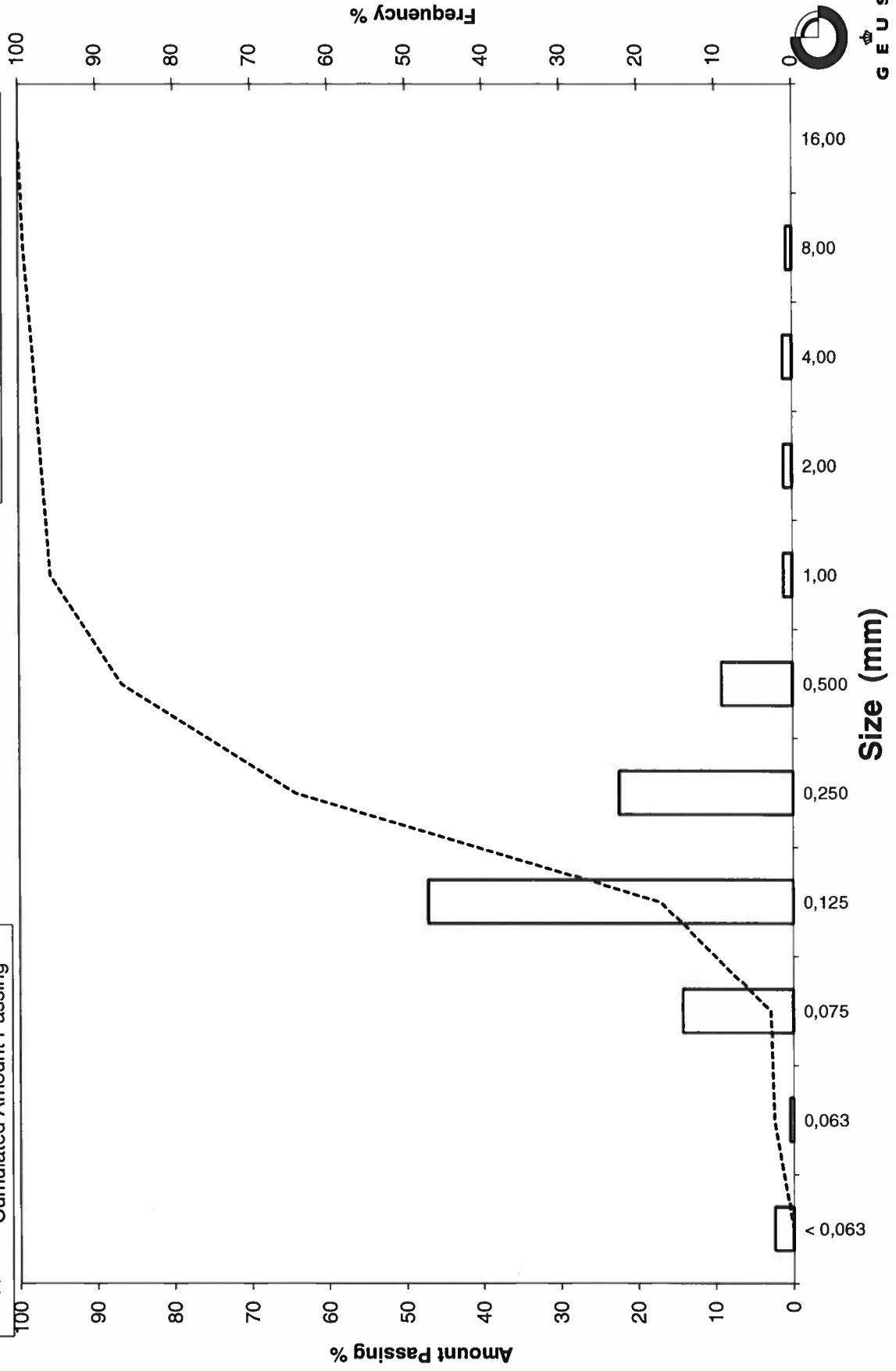
Mean, sorting, skewness and kurtosis are based on  
"Amount in sieve". Uniformity coefficient is based on  
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# Grain Size Distribution

Sample Id: VKY 85, 0-100

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 85, 200-300  
**Lab. Id:** 200522  
**Projekt** MST Råstofkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >2mm består af skaller



**Total Weight** 104,96 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated<br>amount<br>passing |
|---------|--------|--------|--------|--------------------------------|
| mm      | Φ      | g      | %      | %                              |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                         |
| 8,00    | -3,00  | 1,36   | 1,30   | 98,70                          |
| 4,00    | -2,00  | 0,54   | 0,51   | 98,19                          |
| 2,00    | -1,00  | 0,51   | 0,49   | 97,70                          |
| 1,00    | 0,00   | 0,82   | 0,78   | 96,92                          |
| 0,500   | 1,00   | 13,76  | 13,11  | 83,81                          |
| 0,250   | 2,00   | 57,92  | 55,18  | 28,63                          |
| 0,125   | 3,00   | 25,17  | 23,98  | 4,65                           |
| 0,075   | 3,74   | 3,73   | 3,55   | 1,10                           |
| 0,063   | 3,99   | 0,13   | 0,12   | 0,97                           |
| < 0,063 | > 3,99 | 1,02   | 0,97   | 0,00                           |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,97     |
| Sand, fine (0,063 mm - 0,200 mm): | 27,66    |
| Sand, medium (0,2 mm - 0,6 mm):   | 61,43    |
| Sand, coarse (0,6 mm - 2 mm):     | 7,65     |
| Gravel (> 2 mm):                  | 2,30     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,68  | 0,56 |
| 16%             | 84%            | 0,50  | 0,99 |
| 25%             | 75%            | 0,34  | 1,56 |
| 40%             | 60%            | 0,31  | 1,69 |
| Median 50%      | 50%            | 0,29  | 1,78 |
| 75%             | 25%            | 0,17  | 2,54 |
| 84%             | 16%            | 0,15  | 2,73 |
| 90%             | 10%            | 0,14  | 2,86 |
| 95%             | 5%             | 0,13  | 2,99 |

### Moments Statistics

|                        |      |
|------------------------|------|
| Mean                   | 1,83 |
| Sorting                | 0,80 |
| Skewness               | 0,04 |
| Kurtosis               | 1,02 |
| Uniformity Coefficient | 2,26 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles  
are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

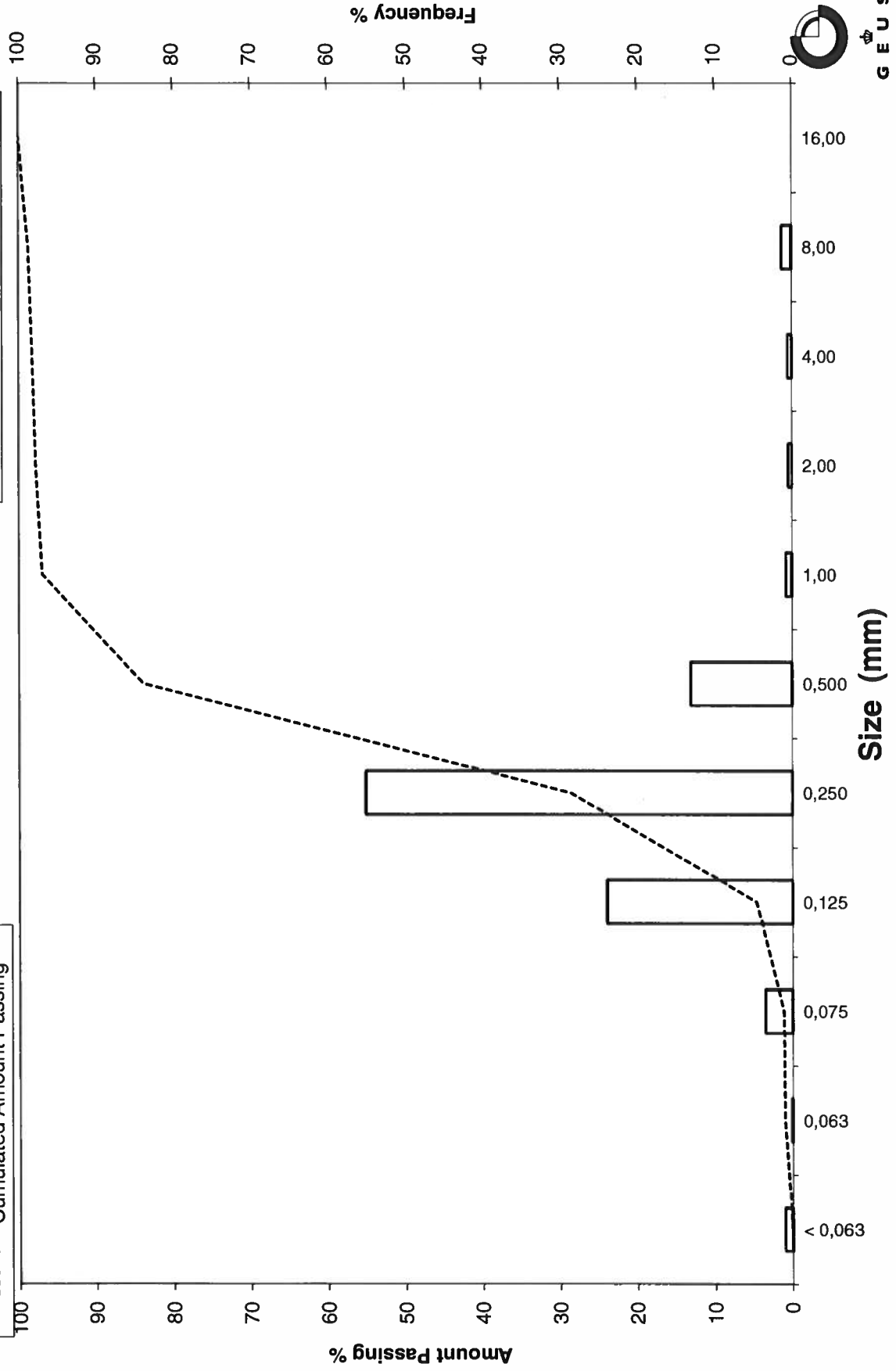
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: VKY 85, 200-300

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 86, 150-250  
**Lab. Id:** 200485  
**Projekt** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 88,66 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated<br>amount<br>passing |
|---------|--------|--------|--------|--------------------------------|
| mm      | Φ      | g      | %      | %                              |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                         |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                         |
| 4,00    | -2,00  | 0,00   | 0,00   | 100,00                         |
| 2,00    | -1,00  | 0,16   | 0,18   | 99,82                          |
| 1,00    | 0,00   | 0,54   | 0,61   | 99,21                          |
| 0,500   | 1,00   | 2,57   | 2,90   | 96,31                          |
| 0,250   | 2,00   | 22,37  | 25,23  | 71,08                          |
| 0,125   | 3,00   | 48,92  | 55,18  | 15,90                          |
| 0,075   | 3,74   | 11,18  | 12,61  | 3,29                           |
| 0,063   | 3,99   | 0,44   | 0,50   | 2,80                           |
| < 0,063 | > 3,99 | 2,48   | 2,80   | 0,00                           |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 2,80     |
| Sand, fine (0,063 mm - 0,200 mm): | 68,28    |
| Sand, medium (0,2 mm - 0,6 mm):   | 26,61    |
| Sand, coarse (0,6 mm - 2 mm):     | 2,13     |
| Gravel (> 2 mm):                  | 0,18     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,35  | 1,52 |
| 16%             | 84%            | 0,30  | 1,72 |
| 25%             | 75%            | 0,27  | 1,91 |
| 40%             | 60%            | 0,17  | 2,57 |
| Median 50%      | 50%            | 0,16  | 2,65 |
| 75%             | 25%            | 0,13  | 2,90 |
| 84%             | 16%            | 0,13  | 3,00 |
| 90%             | 10%            | 0,08  | 3,59 |
| 95%             | 5%             | 0,08  | 3,70 |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 2,46  |
| Sorting                | 0,65  |
| Skewness               | -0,25 |
| Kurtosis               | 0,90  |
| Uniformity Coefficient | 2,04  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles  
are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on  
"Amount in sieve". Uniformity coefficient is based on  
"Amount passing".

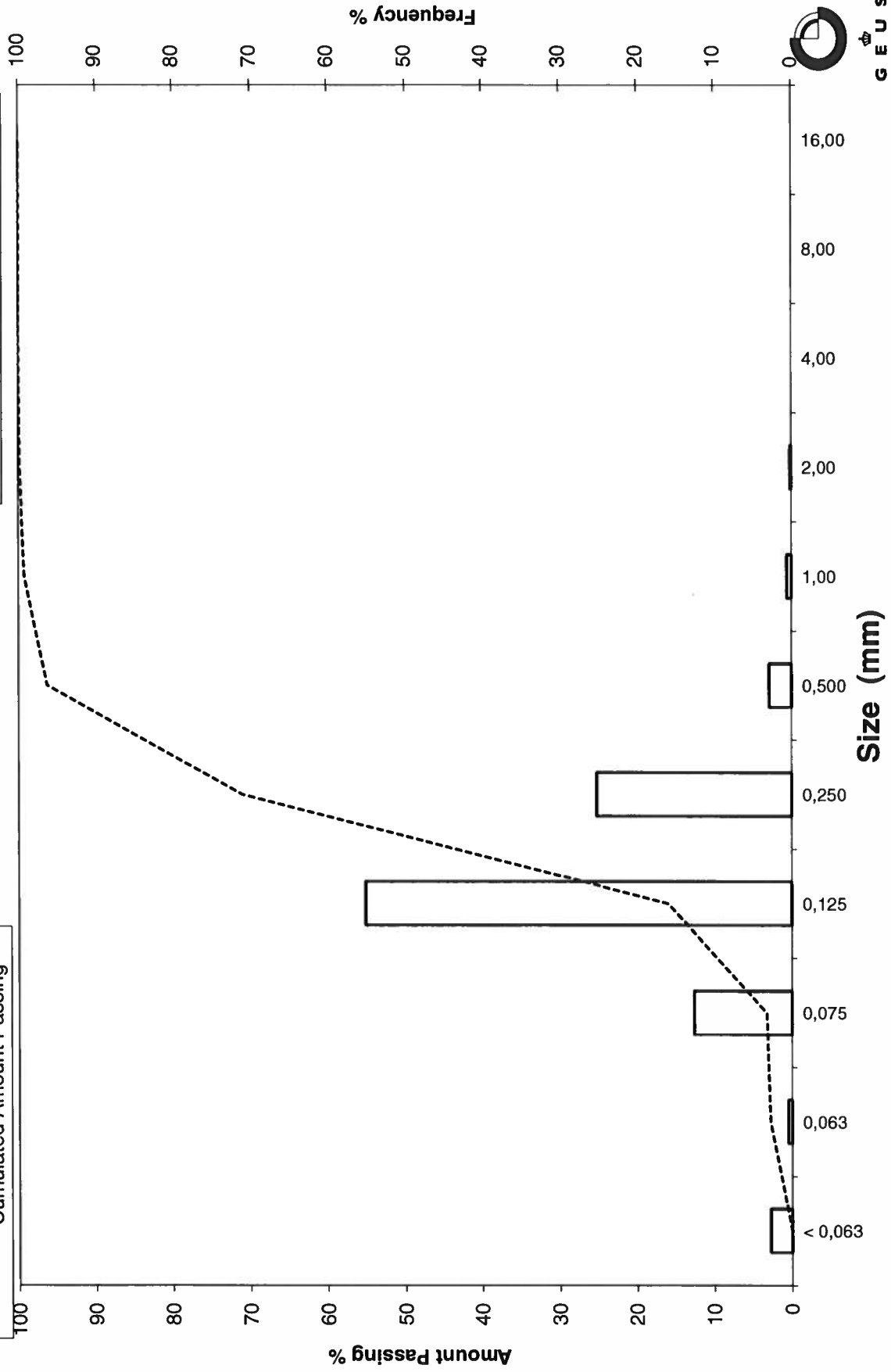
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# Grain Size Distribution

Sample Id: VKY 86, 150-250

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 90, 0-100  
**Lab. Id:** 200486  
**Projekt** MST Råstofkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >2mm består af skaller



**Total Weight** 91,19 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated<br>amount<br>passing |
|---------|--------|--------|--------|--------------------------------|
| mm      | Φ      | g      | %      | %                              |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                         |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                         |
| 4,00    | -2,00  | 0,17   | 0,19   | 99,81                          |
| 2,00    | -1,00  | 0,18   | 0,20   | 99,62                          |
| 1,00    | 0,00   | 0,61   | 0,67   | 98,95                          |
| 0,500   | 1,00   | 9,44   | 10,35  | 88,60                          |
| 0,250   | 2,00   | 40,15  | 44,03  | 44,57                          |
| 0,125   | 3,00   | 36,45  | 39,97  | 4,59                           |
| 0,075   | 3,74   | 3,25   | 3,56   | 1,03                           |
| 0,063   | 3,99   | 0,14   | 0,15   | 0,88                           |
| < 0,063 | > 3,99 | 0,80   | 0,88   | 0,00                           |

Gravel

Sand

Sieve Analysis

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight %      |
|-----------------------------------|---------------|
| Silt and clay (< 0,063 mm):       | 0,88          |
| Sand, fine (0,063 mm - 0,200 mm): | 43,69         |
| Sand, medium (0,2 mm - 0,6 mm):   | 48,96         |
| Sand, coarse (0,6 mm - 2 mm):     | 6,09          |
| Gravel (> 2 mm):                  | 0,38          |
| <b>Sum:</b>                       | <b>100,00</b> |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,63  | 0,67 |
| 16%             | 84%            | 0,34  | 1,54 |
| 25%             | 75%            | 0,32  | 1,63 |
| 40%             | 60%            | 0,29  | 1,80 |
| Median 50%      | 50%            | 0,26  | 1,93 |
| 75%             | 25%            | 0,15  | 2,71 |
| 84%             | 16%            | 0,14  | 2,83 |
| 90%             | 10%            | 0,13  | 2,92 |
| 95%             | 5%             | 0,13  | 2,99 |

### Moments Statistics

|                        |      |
|------------------------|------|
| Mean                   | 2,10 |
| Sorting                | 0,68 |
| Skewness               | 0,16 |
| Kurtosis               | 0,89 |
| Uniformity Coefficient | 2,17 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles  
are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

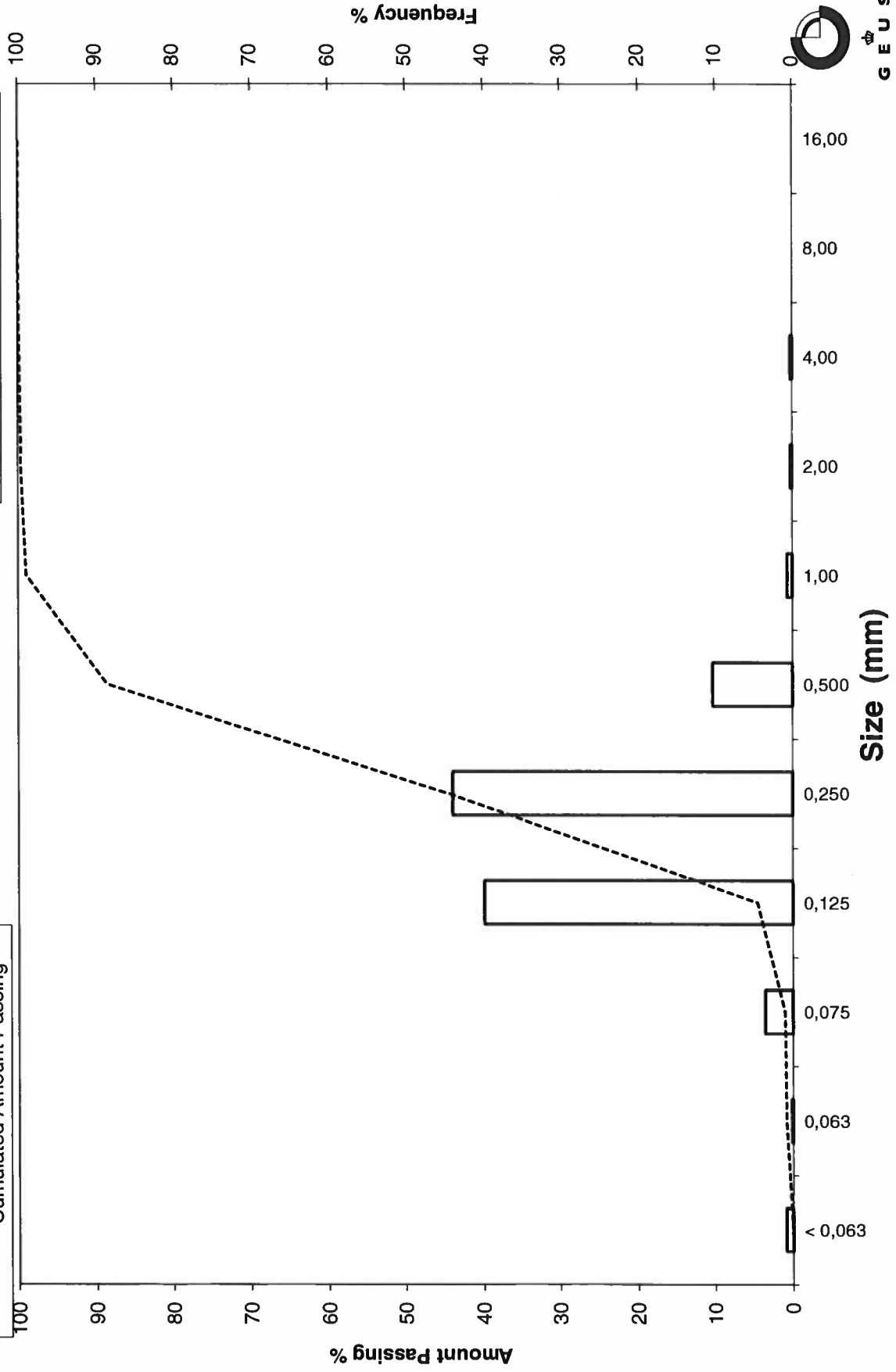
Mean, sorting, skewness and kurtosis are based on  
"Amount in sieve". Uniformity coefficient is based on  
"Amount passing".

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# Grain Size Distribution

Sample Id: VKY 90, 0-100

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 91, 60-160  
**Lab. Id:** 200523  
**Projekt:** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >2mm består af skaller



**Total Weight** 95,72 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount |
|---------|--------|--------|--------|------------------|
| mm      | Φ      | g      | %      | amount passing % |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00           |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00           |
| 4,00    | -2,00  | 0,00   | 0,00   | 100,00           |
| 2,00    | -1,00  | 0,01   | 0,01   | 99,99            |
| 1,00    | 0,00   | 0,01   | 0,01   | 99,98            |
| 0,500   | 1,00   | 0,05   | 0,05   | 99,93            |
| 0,250   | 2,00   | 0,18   | 0,19   | 99,74            |
| 0,125   | 3,00   | 35,88  | 37,48  | 62,25            |
| 0,075   | 3,74   | 52,66  | 55,01  | 7,24             |
| 0,063   | 3,99   | 2,78   | 2,90   | 4,34             |
| < 0,063 | > 3,99 | 4,15   | 4,34   | 0,00             |

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 4,34     |
| Sand, fine (0,063 mm - 0,200 mm): | 95,40    |
| Sand, medium (0,2 mm - 0,6 mm):   | 0,21     |
| Sand, coarse (0,6 mm - 2 mm):     | 0,04     |
| Gravel (> 2 mm):                  | 0,01     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,17  | 2,53 |
| 16%             | 84%            | 0,16  | 2,67 |
| 25%             | 75%            | 0,14  | 2,80 |
| 40%             | 60%            | 0,09  | 3,48 |
| Median 50%      | 50%            | 0,09  | 3,53 |
| 75%             | 25%            | 0,08  | 3,65 |
| 84%             | 16%            | 0,08  | 3,69 |
| 90%             | 10%            | 0,08  | 3,72 |
| 95%             | 5%             | 0,07  | 3,93 |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 3,30  |
| Sorting                | 0,47  |
| Skewness               | -0,55 |
| Kurtosis               | 0,67  |
| Uniformity Coefficient | 1,18  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

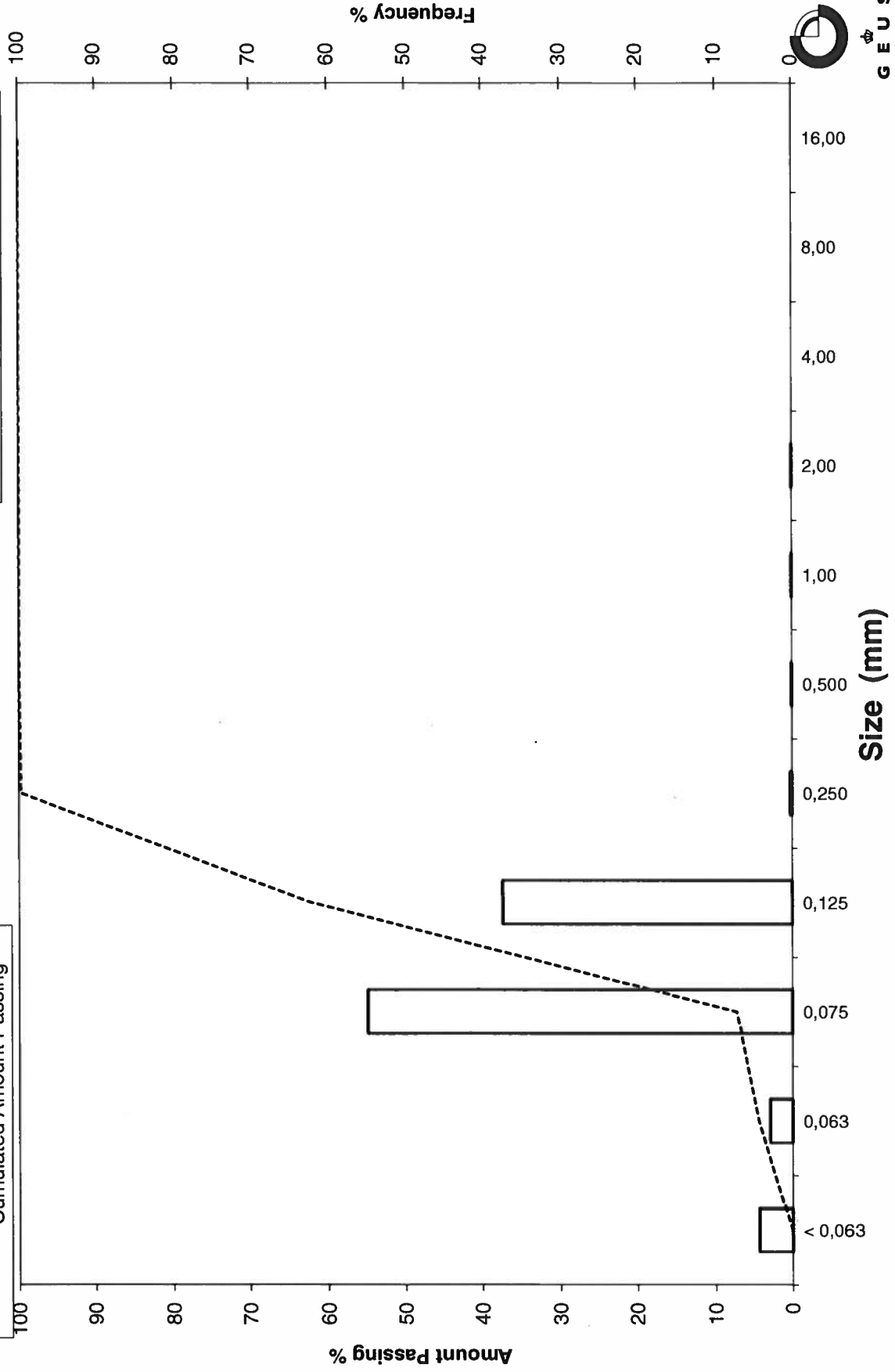
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: VKY 91, 60-160

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 94, 0-300  
**Lab. Id:** 200487  
**Projekt:** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >1mm heraf 0,3 g skaller



**Total Weight** 87,7 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated<br>amount<br>passing |
|---------|--------|--------|--------|--------------------------------|
| mm      | Φ      | g      | %      | %                              |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                         |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                         |
| 4,00    | -2,00  | 0,01   | 0,01   | 99,99                          |
| 2,00    | -1,00  | 0,15   | 0,17   | 99,82                          |
| 1,00    | 0,00   | 0,28   | 0,32   | 99,50                          |
| 0,500   | 1,00   | 1,13   | 1,29   | 98,21                          |
| 0,250   | 2,00   | 7,43   | 8,47   | 89,74                          |
| 0,125   | 3,00   | 34,12  | 38,91  | 50,83                          |
| 0,075   | 3,74   | 32,93  | 37,55  | 13,28                          |
| 0,063   | 3,99   | 2,99   | 3,41   | 9,87                           |
| < 0,063 | > 3,99 | 8,66   | 9,87   | 0,00                           |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 9,87     |
| Sand, fine (0,063 mm - 0,200 mm): | 79,86    |
| Sand, medium (0,2 mm - 0,6 mm):   | 9,09     |
| Sand, coarse (0,6 mm - 2 mm):     | 0,99     |
| Gravel (> 2 mm):                  | 0,18     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 0,32  | 1,67  |
| 16%             | 84%            | 0,17  | 2,54  |
| 25%             | 75%            | 0,16  | 2,65  |
| 40%             | 60%            | 0,14  | 2,86  |
| Median 50%      | 50%            | 0,09  | 3,48  |
| 75%             | 25%            | 0,08  | 3,65  |
| 84%             | 16%            | 0,08  | 3,72  |
| 90%             | 10%            | 0,06  | 3,98  |
| 95%             | 5%             | ----- | ----- |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 3,25  |
| Sorting                | ----- |
| Skewness               | ----- |
| Kurtosis               | ----- |
| Uniformity Coefficient | 2,17  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles  
are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgg-Bulletin 1988)

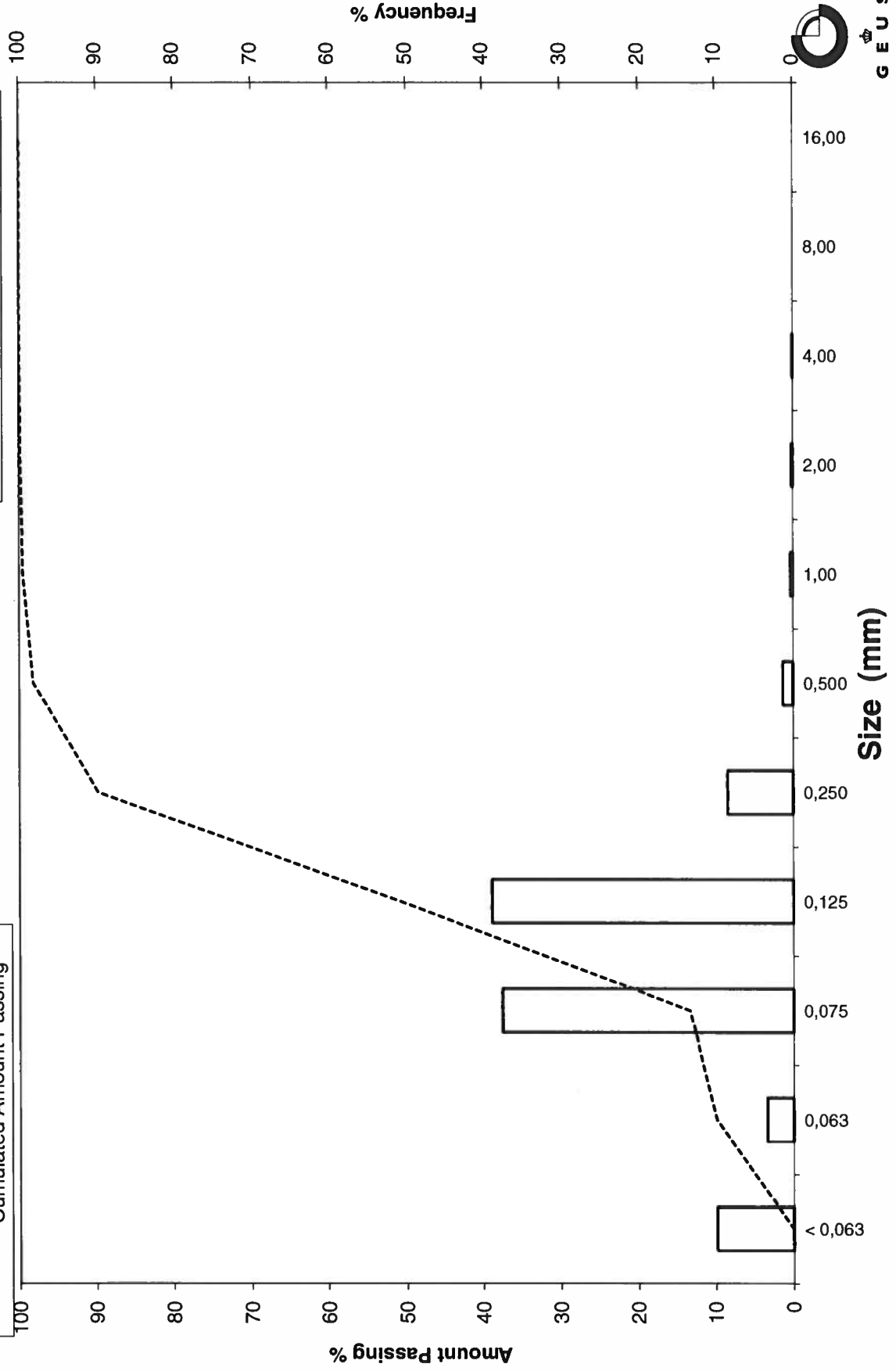
Mean, sorting, skewness and kurtosis are based on  
"Amount in sieve". Uniformity coefficient is based on  
"Amount passing".

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# Grain Size Distribution

Sample Id: VKY 94, 0-300

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 95, 0-100  
**Lab. Id:** 200488  
**Projekt** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 103,56 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 1,34   | 1,29   | 98,71                    |
| 2,00    | -1,00  | 0,25   | 0,24   | 98,46                    |
| 1,00    | 0,00   | 12,66  | 12,22  | 86,24                    |
| 0,500   | 1,00   | 39,23  | 37,88  | 48,36                    |
| 0,250   | 2,00   | 43,49  | 41,99  | 6,36                     |
| 0,125   | 3,00   | 5,99   | 5,78   | 0,58                     |
| 0,075   | 3,74   | 0,34   | 0,33   | 0,25                     |
| 0,063   | 3,99   | 0,00   | 0,00   | 0,25                     |
| < 0,063 | > 3,99 | 0,26   | 0,25   | 0,00                     |

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,25     |
| Sand, fine (0,063 mm - 0,200 mm): | 6,11     |
| Sand, medium (0,2 mm - 0,6 mm):   | 60,03    |
| Sand, coarse (0,6 mm - 2 mm):     | 32,07    |
| Gravel (> 2 mm):                  | 1,54     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 1,29  | -0,36 |
| 16%             | 84%            | 0,70  | 0,52  |
| 25%             | 75%            | 0,65  | 0,63  |
| 40%             | 60%            | 0,56  | 0,82  |
| Median 50%      | 50%            | 0,51  | 0,97  |
| 75%             | 25%            | 0,30  | 1,75  |
| 84%             | 16%            | 0,27  | 1,87  |
| 90%             | 10%            | 0,26  | 1,95  |
| 95%             | 5%             | 0,17  | 2,58  |

### Moments Statistics

|                        |      |
|------------------------|------|
| Mean                   | 1,12 |
| Sorting                | 0,78 |
| Skewness               | 0,21 |
| Kurtosis               | 1,07 |
| Uniformity Coefficient | 2,18 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

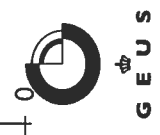
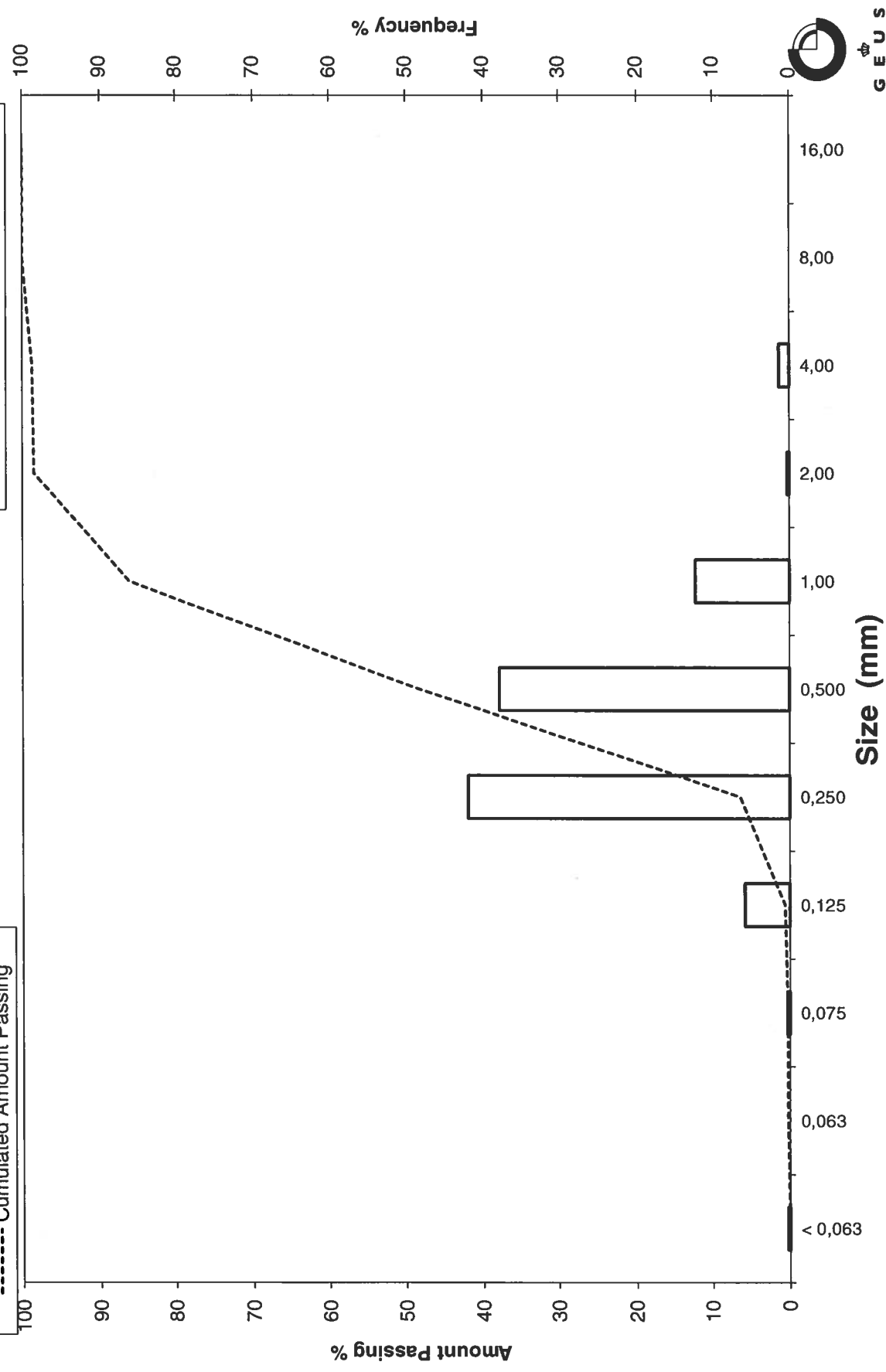
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# Grain Size Distribution

Sample Id: VKY 95, 0-100

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 96, 0-250  
**Lab. Id:** 200489  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >1mm består af skaller



**Total Weight** 92,43 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,17   | 0,18   | 99,82                    |
| 4,00    | -2,00  | 0,23   | 0,25   | 99,57                    |
| 2,00    | -1,00  | 0,52   | 0,56   | 99,00                    |
| 1,00    | 0,00   | 0,56   | 0,61   | 98,40                    |
| 0,500   | 1,00   | 1,79   | 1,94   | 96,46                    |
| 0,250   | 2,00   | 8,73   | 9,44   | 87,02                    |
| 0,125   | 3,00   | 25,74  | 27,85  | 59,17                    |
| 0,075   | 3,74   | 42,04  | 45,48  | 13,69                    |
| 0,063   | 3,99   | 3,08   | 3,33   | 10,35                    |
| < 0,063 | > 3,99 | 9,57   | 10,35  | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 10,35    |
| Sand, fine (0,063 mm - 0,200 mm): | 76,66    |
| Sand, medium (0,2 mm - 0,6 mm):   | 10,37    |
| Sand, coarse (0,6 mm - 2 mm):     | 1,62     |
| Gravel (> 2 mm):                  | 1,00     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 0,34  | 1,56  |
| 16%             | 84%            | 0,17  | 2,52  |
| 25%             | 75%            | 0,16  | 2,68  |
| 40%             | 60%            | 0,13  | 2,98  |
| Median 50%      | 50%            | 0,09  | 3,52  |
| 75%             | 25%            | 0,08  | 3,67  |
| 84%             | 16%            | 0,08  | 3,72  |
| 90%             | 10%            | ----- | ----- |
| 95%             | 5%             | ----- | ----- |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 3,26  |
| Sorting                | ----- |
| Skewness               | ----- |
| Kurtosis               | ----- |
| Uniformity Coefficient | ----- |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

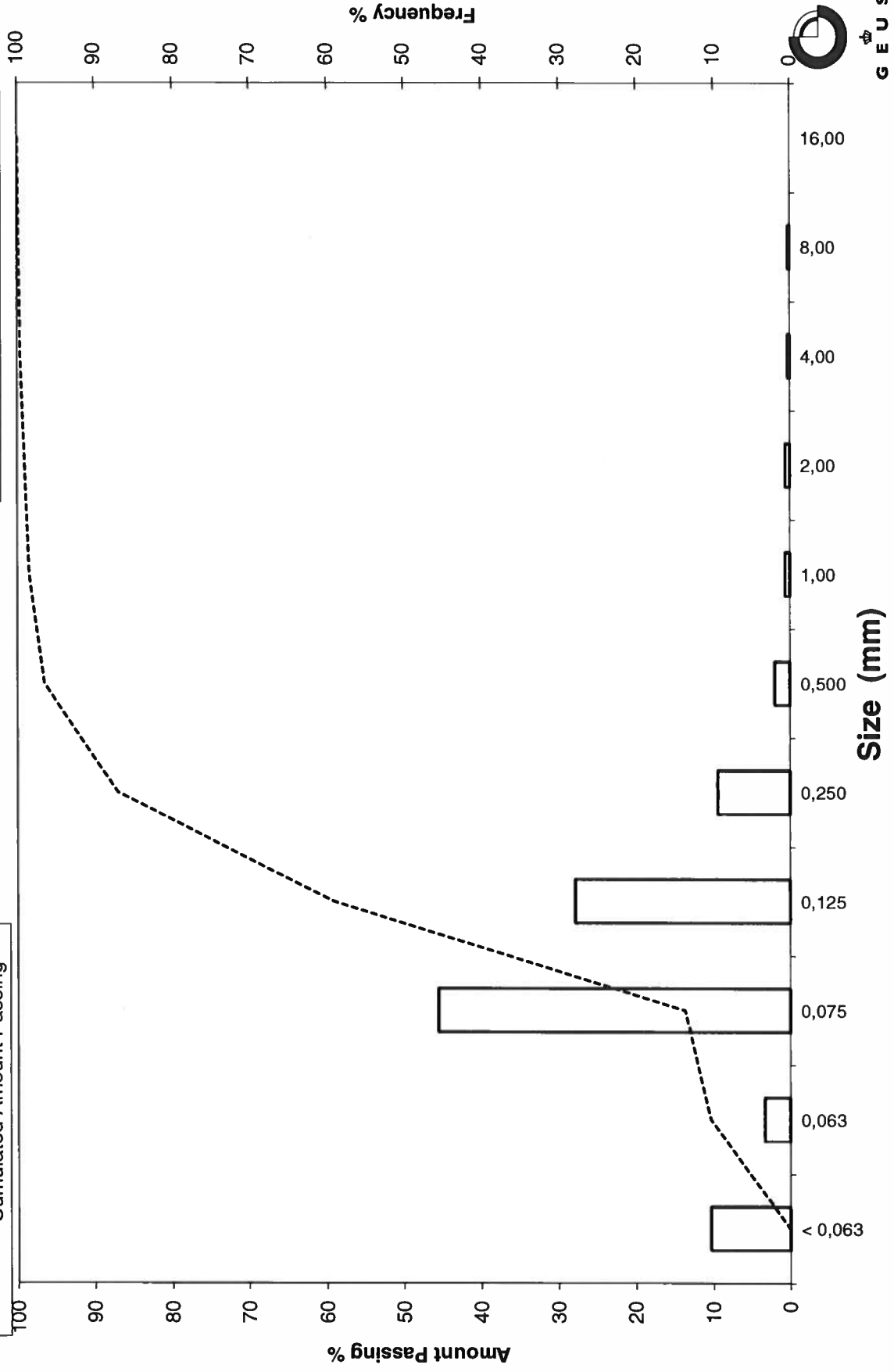
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: VKY 96, 0-250

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 98, 50-100  
**Lab. Id:** 200524  
**Projekt** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >4mm heraf 0,4g skaller



**Total Weight** 100,58 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated<br>amount<br>passing |
|---------|--------|--------|--------|--------------------------------|
| mm      | Φ      | g      | %      | %                              |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                         |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                         |
| 4,00    | -2,00  | 0,58   | 0,58   | 99,42                          |
| 2,00    | -1,00  | 0,36   | 0,36   | 99,07                          |
| 1,00    | 0,00   | 1,87   | 1,86   | 97,21                          |
| 0,500   | 1,00   | 14,86  | 14,77  | 82,43                          |
| 0,250   | 2,00   | 54,22  | 53,91  | 28,52                          |
| 0,125   | 3,00   | 24,83  | 24,69  | 3,84                           |
| 0,075   | 3,74   | 3,08   | 3,06   | 0,78                           |
| 0,063   | 3,99   | 0,07   | 0,07   | 0,71                           |
| < 0,063 | > 3,99 | 0,71   | 0,71   | 0,00                           |

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,71     |
| Sand, fine (0,063 mm - 0,200 mm): | 27,82    |
| Sand, medium (0,2 mm - 0,6 mm):   | 60,94    |
| Sand, coarse (0,6 mm - 2 mm):     | 9,60     |
| Gravel (> 2 mm):                  | 0,93     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,68  | 0,56 |
| 16%             | 84%            | 0,52  | 0,94 |
| 25%             | 75%            | 0,34  | 1,55 |
| 40%             | 60%            | 0,31  | 1,68 |
| Median 50%      | 50%            | 0,29  | 1,78 |
| 75%             | 25%            | 0,17  | 2,54 |
| 84%             | 16%            | 0,15  | 2,72 |
| 90%             | 10%            | 0,14  | 2,85 |
| 95%             | 5%             | 0,13  | 2,97 |

### Moments Statistics

|                        |      |
|------------------------|------|
| Mean                   | 1,81 |
| Sorting                | 0,81 |
| Skewness               | 0,02 |
| Kurtosis               | 1,00 |
| Uniformity Coefficient | 2,24 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles  
are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

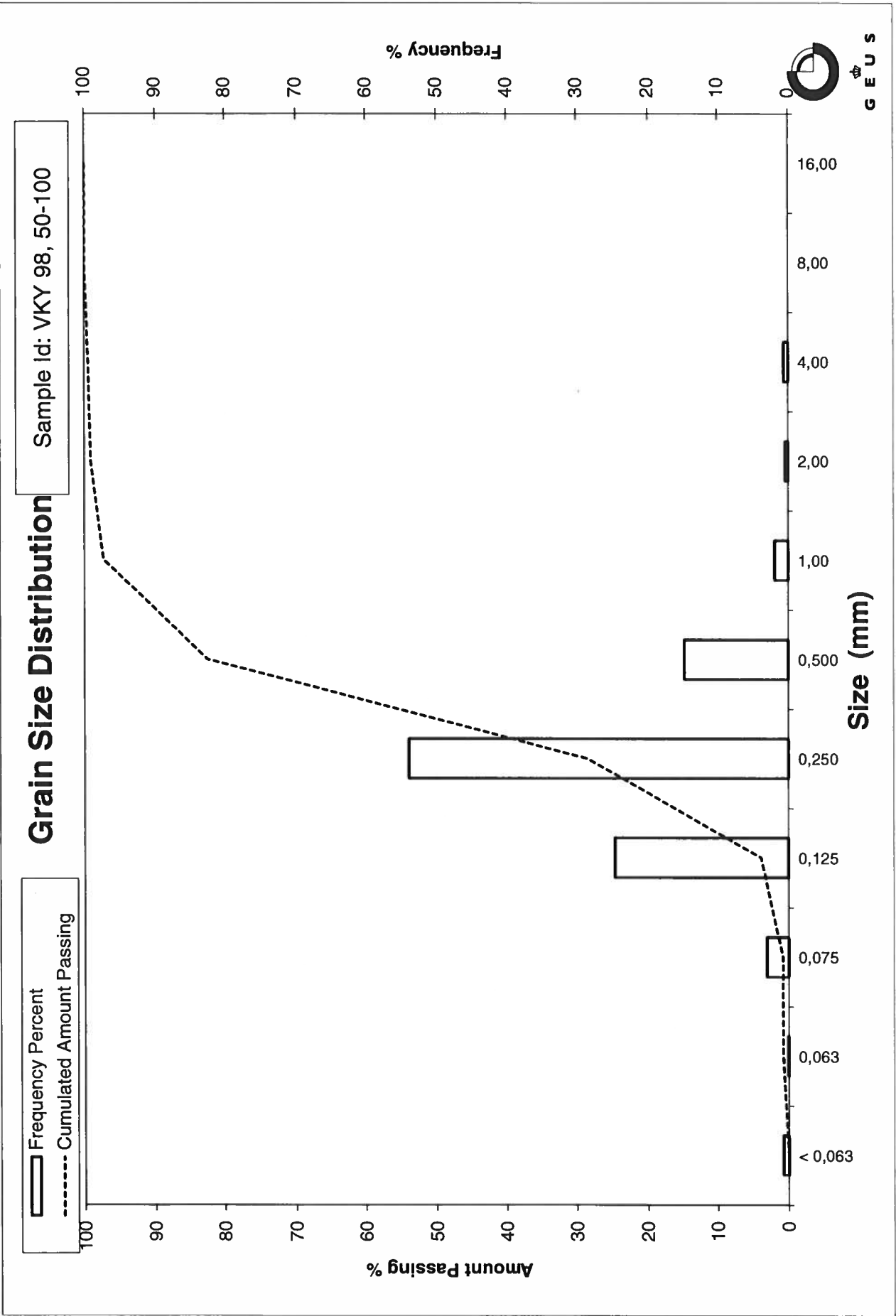
Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 99, 0-90  
**Lab. Id:** 200525  
**Projekt:** MST Råstofkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >4mm heraf 1,3 g skaller



**Total Weight** 100,93 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated<br>amount<br>passing |
|---------|--------|--------|--------|--------------------------------|
| mm      | Φ      | g      | %      | %                              |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                         |
| 8,00    | -3,00  | 1,48   | 1,47   | 98,53                          |
| 4,00    | -2,00  | 0,97   | 0,96   | 97,57                          |
| 2,00    | -1,00  | 1,63   | 1,61   | 95,96                          |
| 1,00    | 0,00   | 2,08   | 2,06   | 93,90                          |
| 0,500   | 1,00   | 8,06   | 7,99   | 85,91                          |
| 0,250   | 2,00   | 29,85  | 29,57  | 56,34                          |
| 0,125   | 3,00   | 44,05  | 43,64  | 12,69                          |
| 0,075   | 3,74   | 11,05  | 10,95  | 1,74                           |
| 0,063   | 3,99   | 0,46   | 0,46   | 1,29                           |
| < 0,063 | > 3,99 | 1,30   | 1,29   | 0,00                           |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 1,29     |
| Sand, fine (0,063 mm - 0,200 mm): | 55,05    |
| Sand, medium (0,2 mm - 0,6 mm):   | 33,38    |
| Sand, coarse (0,6 mm - 2 mm):     | 6,24     |
| Gravel (> 2 mm):                  | 4,04     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 1,21  | -0,28 |
| 16%             | 84%            | 0,35  | 1,52  |
| 25%             | 75%            | 0,32  | 1,66  |
| 40%             | 60%            | 0,26  | 1,93  |
| Median 50%      | 50%            | 0,17  | 2,54  |
| 75%             | 25%            | 0,14  | 2,83  |
| 84%             | 16%            | 0,13  | 2,95  |
| 90%             | 10%            | 0,09  | 3,53  |
| 95%             | 5%             | 0,08  | 3,65  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 2,34  |
| Sorting                | 0,95  |
| Skewness               | -0,43 |
| Kurtosis               | 1,38  |
| Uniformity Coefficient | 3,05  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles  
are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

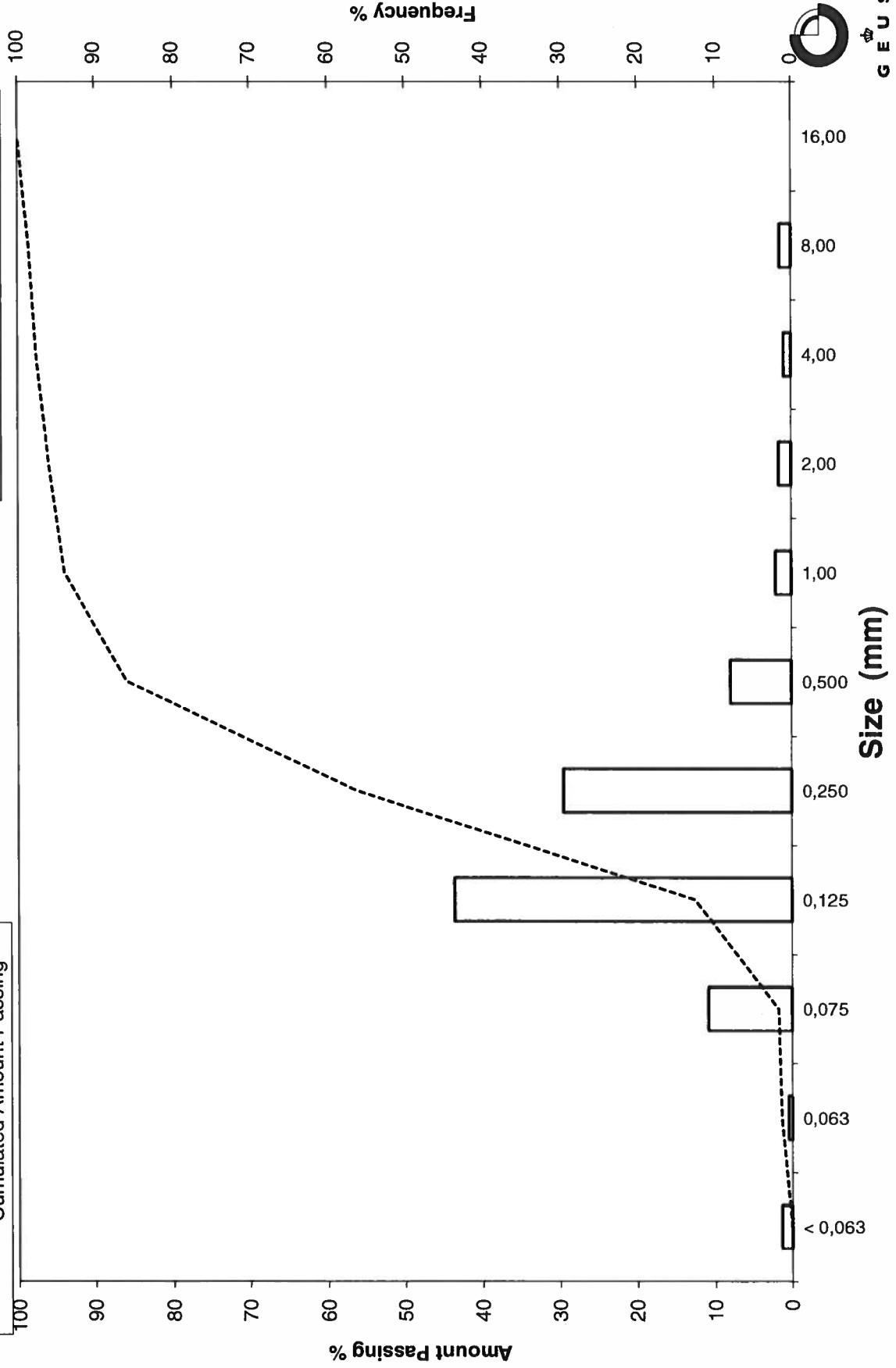
Mean, sorting, skewness and kurtosis are based on  
"Amount in sieve". Uniformity coefficient is based on  
"Amount passing".

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# Grain Size Distribution

Sample Id: VKY 99, 0-90

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 100, 0-100  
**Lab. Id:** 200490  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 98,3 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount |
|---------|--------|--------|--------|------------------|
| mm      | Φ      | g      | %      | amount passing % |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00           |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00           |
| 4,00    | -2,00  | 0,00   | 0,00   | 100,00           |
| 2,00    | -1,00  | 0,32   | 0,33   | 99,67            |
| 1,00    | 0,00   | 4,80   | 4,88   | 94,79            |
| 0,500   | 1,00   | 37,47  | 38,12  | 56,67            |
| 0,250   | 2,00   | 46,40  | 47,20  | 9,47             |
| 0,125   | 3,00   | 8,39   | 8,54   | 0,94             |
| 0,075   | 3,74   | 0,31   | 0,32   | 0,62             |
| 0,063   | 3,99   | 0,01   | 0,01   | 0,61             |
| < 0,063 | > 3,99 | 0,60   | 0,61   | 0,00             |

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,61     |
| Sand, fine (0,063 mm - 0,200 mm): | 8,86     |
| Sand, medium (0,2 mm - 0,6 mm):   | 65,35    |
| Sand, coarse (0,6 mm - 2 mm):     | 24,85    |
| Gravel (> 2 mm):                  | 0,33     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 1,02  | -0,02 |
| 16%             | 84%            | 0,65  | 0,62  |
| 25%             | 75%            | 0,60  | 0,73  |
| 40%             | 60%            | 0,52  | 0,95  |
| Median 50%      | 50%            | 0,34  | 1,56  |
| 75%             | 25%            | 0,28  | 1,81  |
| 84%             | 16%            | 0,26  | 1,92  |
| 90%             | 10%            | 0,25  | 1,99  |
| 95%             | 5%             | 0,15  | 2,73  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 1,36  |
| Sorting                | 0,74  |
| Skewness               | -0,30 |
| Kurtosis               | 1,04  |
| Uniformity Coefficient | 2,06  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

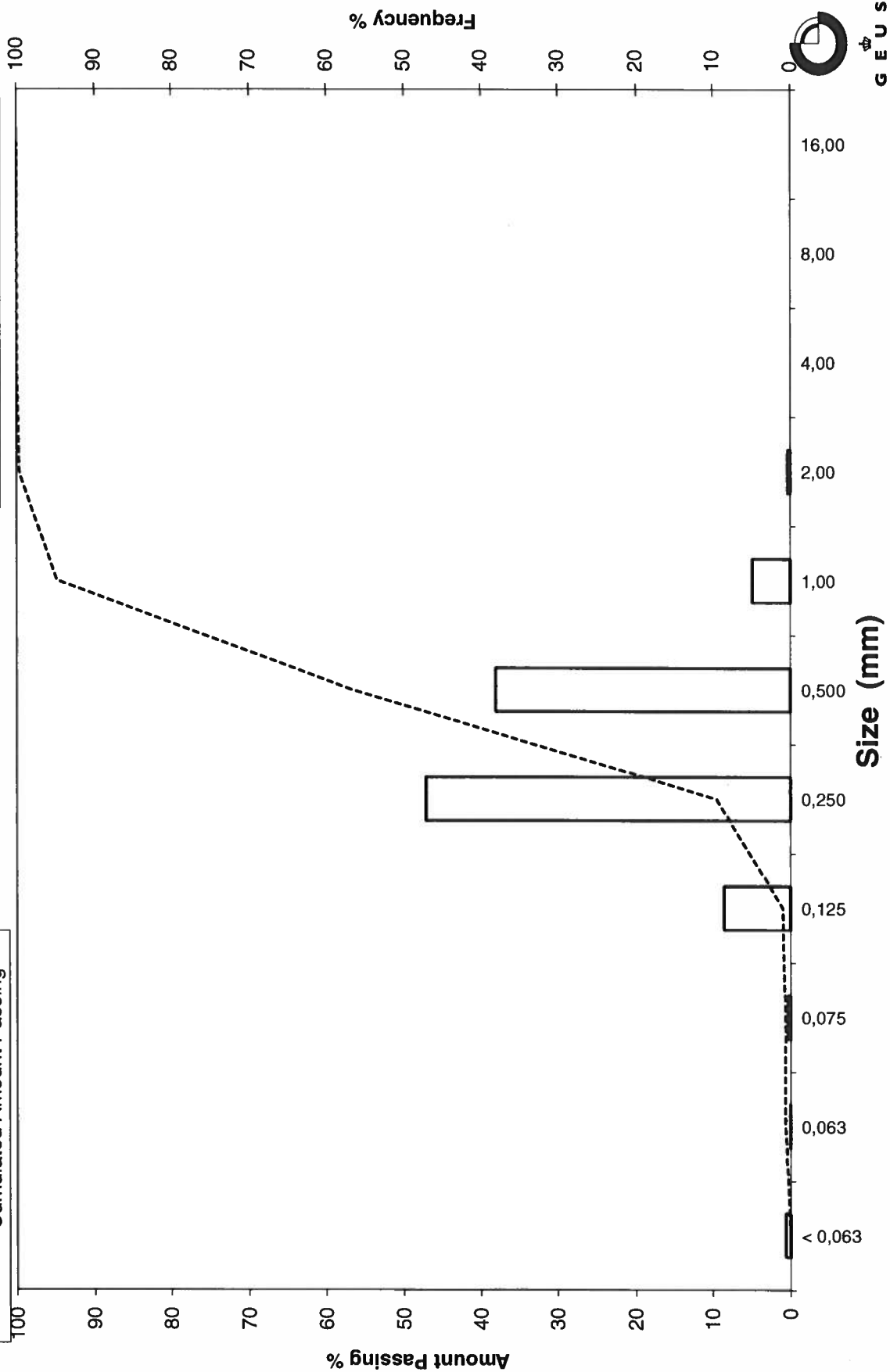
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# Grain Size Distribution

Sample Id: VKY 100, 0-100

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 105, 200-400  
**Lab. Id:** 200491  
**Projekt:** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 103,64 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated<br>amount<br>passing |
|---------|--------|--------|--------|--------------------------------|
| mm      | Φ      | g      | %      | %                              |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                         |
| 8,00    | -3,00  | 1,70   | 1,64   | 98,36                          |
| 4,00    | -2,00  | 1,04   | 1,00   | 97,36                          |
| 2,00    | -1,00  | 1,85   | 1,79   | 95,57                          |
| 1,00    | 0,00   | 4,62   | 4,46   | 91,11                          |
| 0,500   | 1,00   | 28,74  | 27,73  | 63,38                          |
| 0,250   | 2,00   | 51,99  | 50,16  | 13,22                          |
| 0,125   | 3,00   | 11,85  | 11,43  | 1,79                           |
| 0,075   | 3,74   | 1,10   | 1,06   | 0,72                           |
| 0,063   | 3,99   | 0,06   | 0,06   | 0,67                           |
| < 0,063 | > 3,99 | 0,69   | 0,67   | 0,00                           |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,67     |
| Sand, fine (0,063 mm - 0,200 mm): | 12,55    |
| Sand, medium (0,2 mm - 0,6 mm):   | 63,37    |
| Sand, coarse (0,6 mm - 2 mm):     | 18,98    |
| Gravel (> 2 mm):                  | 4,43     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 1,35  | -0,43 |
| 16%             | 84%            | 0,66  | 0,61  |
| 25%             | 75%            | 0,59  | 0,77  |
| 40%             | 60%            | 0,35  | 1,52  |
| Median 50%      | 50%            | 0,33  | 1,61  |
| 75%             | 25%            | 0,27  | 1,86  |
| 84%             | 16%            | 0,26  | 1,97  |
| 90%             | 10%            | 0,16  | 2,60  |
| 95%             | 5%             | 0,14  | 2,83  |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 1,40  |
| Sorting                | 0,83  |
| Skewness               | -0,37 |
| Kurtosis               | 1,22  |
| Uniformity Coefficient | 2,11  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles  
are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

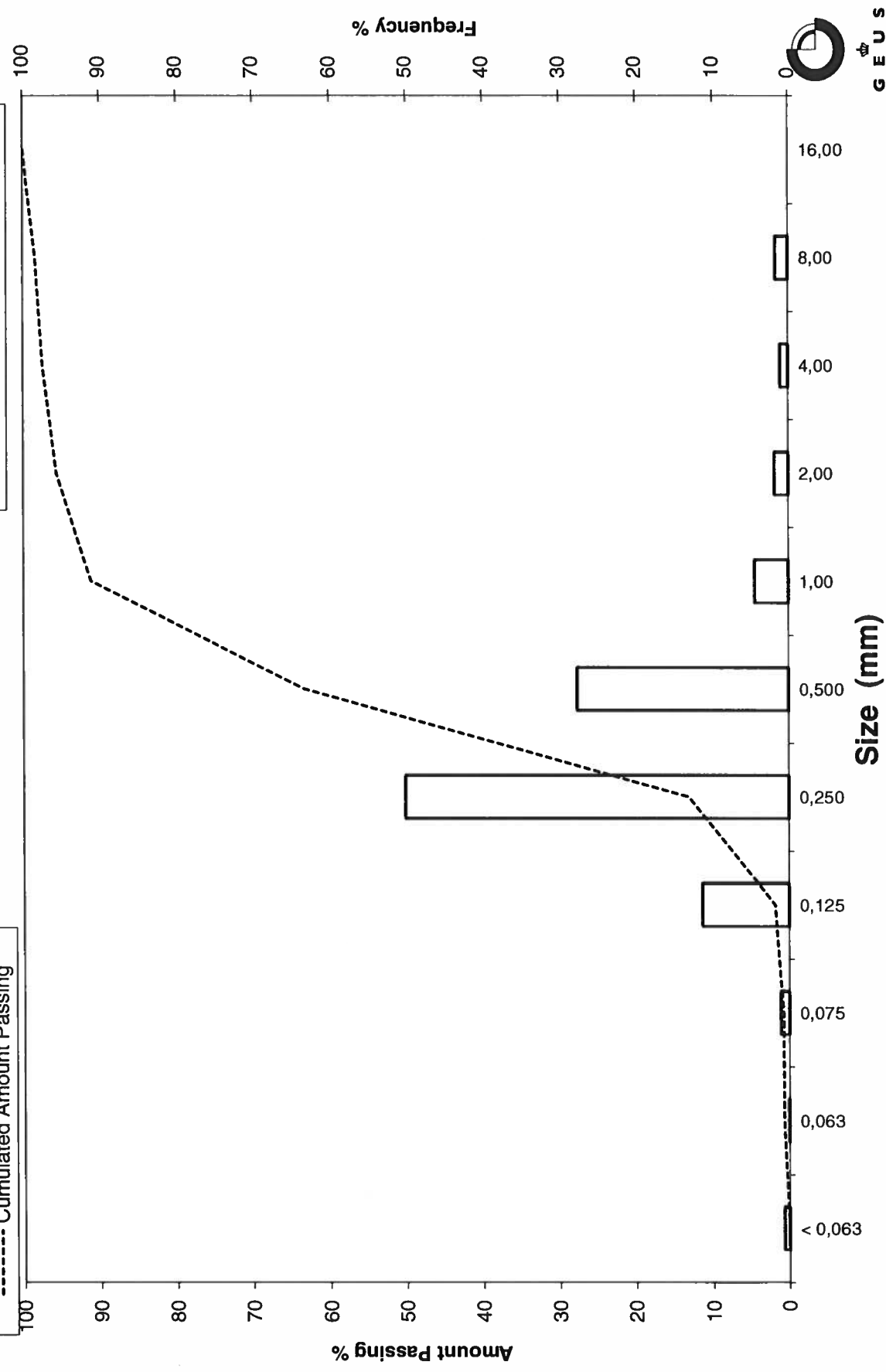
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: VKY 105, 200-400

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 110, 0-100  
**Lab. Id:** 200492  
**Projekt:** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 102,61 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,58   | 0,57   | 99,43                    |
| 2,00    | -1,00  | 0,61   | 0,59   | 98,84                    |
| 1,00    | 0,00   | 15,55  | 15,15  | 83,69                    |
| 0,500   | 1,00   | 43,04  | 41,95  | 41,74                    |
| 0,250   | 2,00   | 33,17  | 32,33  | 9,41                     |
| 0,125   | 3,00   | 6,99   | 6,81   | 2,60                     |
| 0,075   | 3,74   | 1,90   | 1,85   | 0,75                     |
| 0,063   | 3,99   | 0,09   | 0,09   | 0,66                     |
| < 0,063 | > 3,99 | 0,68   | 0,66   | 0,00                     |

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,66     |
| Sand, fine (0,063 mm - 0,200 mm): | 8,75     |
| Sand, medium (0,2 mm - 0,6 mm):   | 52,30    |
| Sand, coarse (0,6 mm - 2 mm):     | 37,13    |
| Gravel (> 2 mm):                  | 1,16     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 1,30  | -0,38 |
| 16%             | 84%            | 1,01  | -0,01 |
| 25%             | 75%            | 0,67  | 0,59  |
| 40%             | 60%            | 0,59  | 0,76  |
| Median 50%      | 50%            | 0,54  | 0,89  |
| 75%             | 25%            | 0,30  | 1,73  |
| 84%             | 16%            | 0,27  | 1,88  |
| 90%             | 10%            | 0,25  | 1,99  |
| 95%             | 5%             | 0,14  | 2,79  |

### Moments Statistics

|                        |      |
|------------------------|------|
| Mean                   | 0,92 |
| Sorting                | 0,95 |
| Skewness               | 0,13 |
| Kurtosis               | 1,13 |
| Uniformity Coefficient | 2,35 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

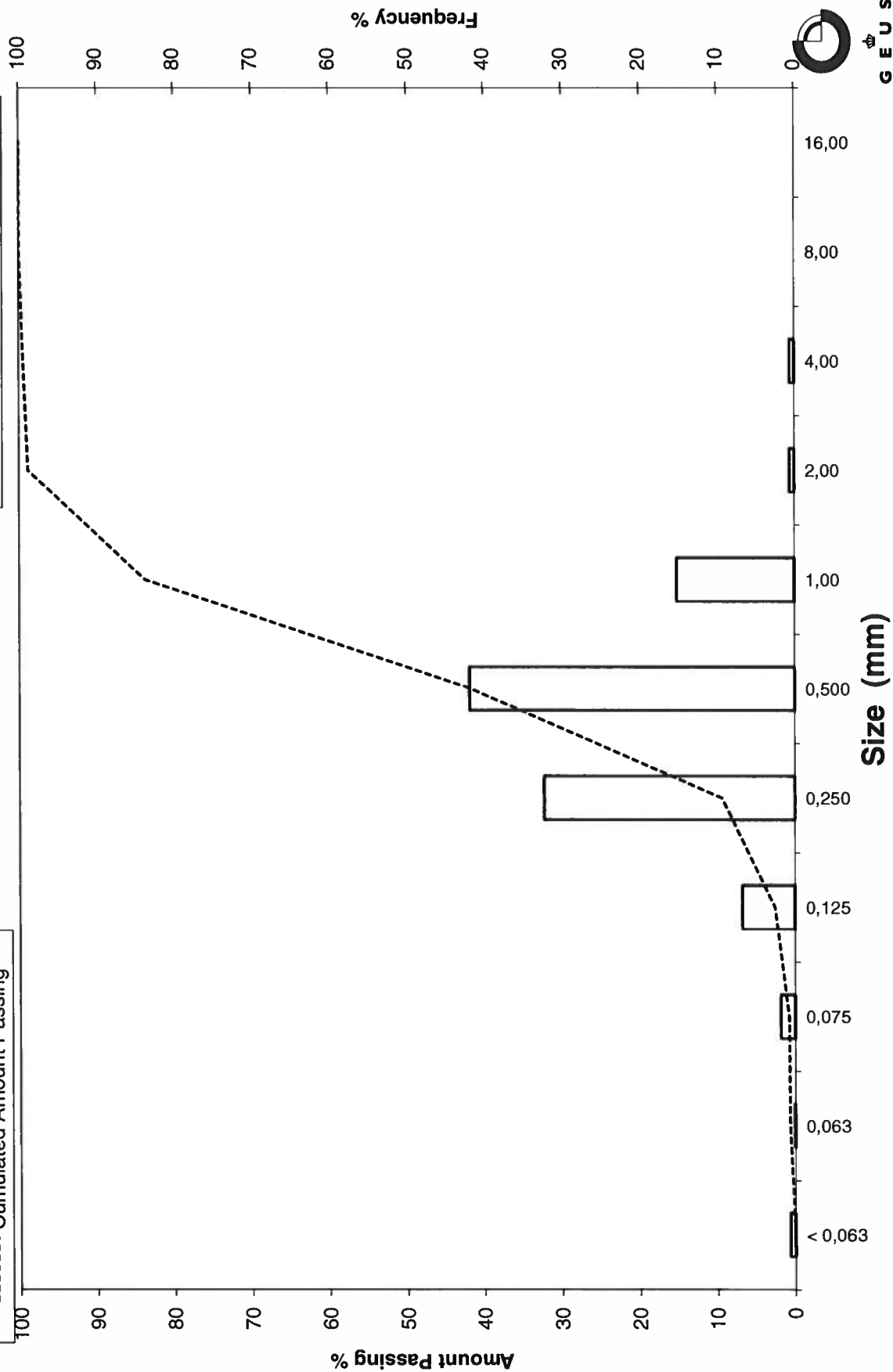
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: VKY 110, 0-100

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 111, 0-78  
**Lab. Id:** 200493  
**Projekt:** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >4mm består af skaller



**Total Weight** 104,81 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,16   | 0,15   | 99,85                    |
| 2,00    | -1,00  | 0,33   | 0,31   | 99,53                    |
| 1,00    | 0,00   | 14,45  | 13,79  | 85,75                    |
| 0,500   | 1,00   | 37,71  | 35,98  | 49,77                    |
| 0,250   | 2,00   | 42,13  | 40,20  | 9,57                     |
| 0,125   | 3,00   | 7,24   | 6,91   | 2,66                     |
| 0,075   | 3,74   | 2,03   | 1,94   | 0,73                     |
| 0,063   | 3,99   | 0,09   | 0,09   | 0,64                     |
| < 0,063 | > 3,99 | 0,67   | 0,64   | 0,00                     |

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,64     |
| Sand, fine (0,063 mm - 0,200 mm): | 8,93     |
| Sand, medium (0,2 mm - 0,6 mm):   | 57,33    |
| Sand, coarse (0,6 mm - 2 mm):     | 32,63    |
| Gravel (> 2 mm):                  | 0,47     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 1,27  | -0,34 |
| 16%             | 84%            | 0,70  | 0,51  |
| 25%             | 75%            | 0,65  | 0,63  |
| 40%             | 60%            | 0,56  | 0,84  |
| Median 50%      | 50%            | 0,50  | 1,00  |
| 75%             | 25%            | 0,29  | 1,78  |
| 84%             | 16%            | 0,27  | 1,91  |
| 90%             | 10%            | 0,25  | 1,99  |
| 95%             | 5%             | 0,14  | 2,80  |

### Moments Statistics

|                        |      |
|------------------------|------|
| Mean                   | 1,14 |
| Sorting                | 0,82 |
| Skewness               | 0,23 |
| Kurtosis               | 1,11 |
| Uniformity Coefficient | 2,23 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

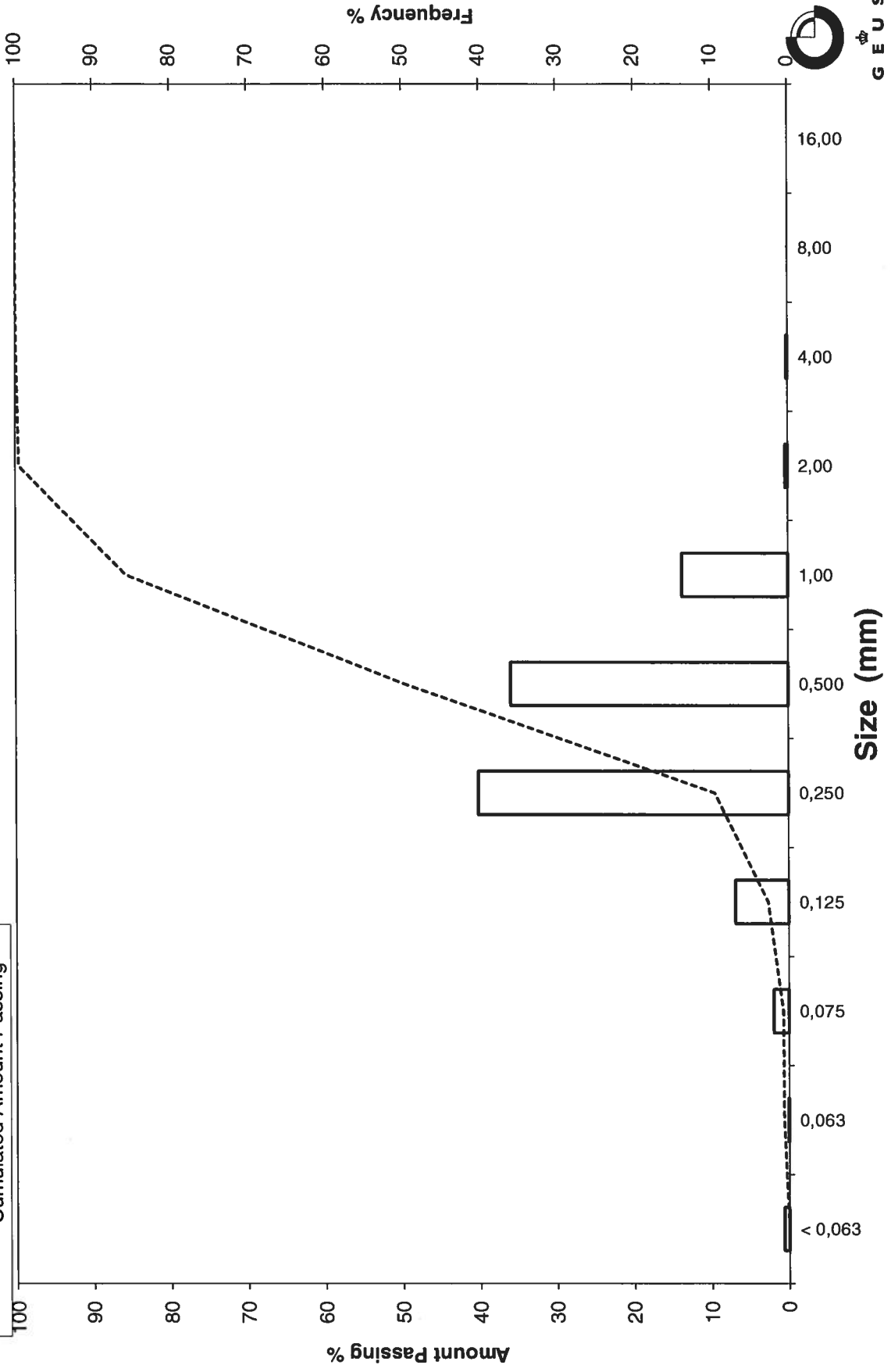
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: VKY 111, 0-78

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 114, 0-73  
**Lab. Id:** 200526  
**Projekt:** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >4mm består af skaller



**Total Weight** 100,71 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated<br>amount<br>passing |
|---------|--------|--------|--------|--------------------------------|
| mm      | Φ      | g      | %      | %                              |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                         |
| 8,00    | -3,00  | 1,35   | 1,34   | 98,66                          |
| 4,00    | -2,00  | 0,25   | 0,25   | 98,41                          |
| 2,00    | -1,00  | 0,26   | 0,26   | 98,15                          |
| 1,00    | 0,00   | 0,46   | 0,46   | 97,70                          |
| 0,500   | 1,00   | 23,10  | 22,94  | 74,76                          |
| 0,250   | 2,00   | 49,04  | 48,69  | 26,06                          |
| 0,125   | 3,00   | 20,22  | 20,08  | 5,99                           |
| 0,075   | 3,74   | 5,07   | 5,03   | 0,95                           |
| 0,063   | 3,99   | 0,09   | 0,09   | 0,86                           |
| < 0,063 | > 3,99 | 0,87   | 0,86   | 0,00                           |

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,86     |
| Sand, fine (0,063 mm - 0,200 mm): | 25,20    |
| Sand, medium (0,2 mm - 0,6 mm):   | 59,62    |
| Sand, coarse (0,6 mm - 2 mm):     | 12,47    |
| Gravel (> 2 mm):                  | 1,85     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,69  | 0,55 |
| 16%             | 84%            | 0,58  | 0,77 |
| 25%             | 75%            | 0,50  | 0,99 |
| 40%             | 60%            | 0,32  | 1,63 |
| Median 50%      | 50%            | 0,30  | 1,73 |
| 75%             | 25%            | 0,18  | 2,50 |
| 84%             | 16%            | 0,15  | 2,71 |
| 90%             | 10%            | 0,14  | 2,88 |
| 95%             | 5%             | 0,09  | 3,52 |

### Moments Statistics

|                        |      |
|------------------------|------|
| Mean                   | 1,74 |
| Sorting                | 0,94 |
| Skewness               | 0,11 |
| Kurtosis               | 0,81 |
| Uniformity Coefficient | 2,38 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles  
are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

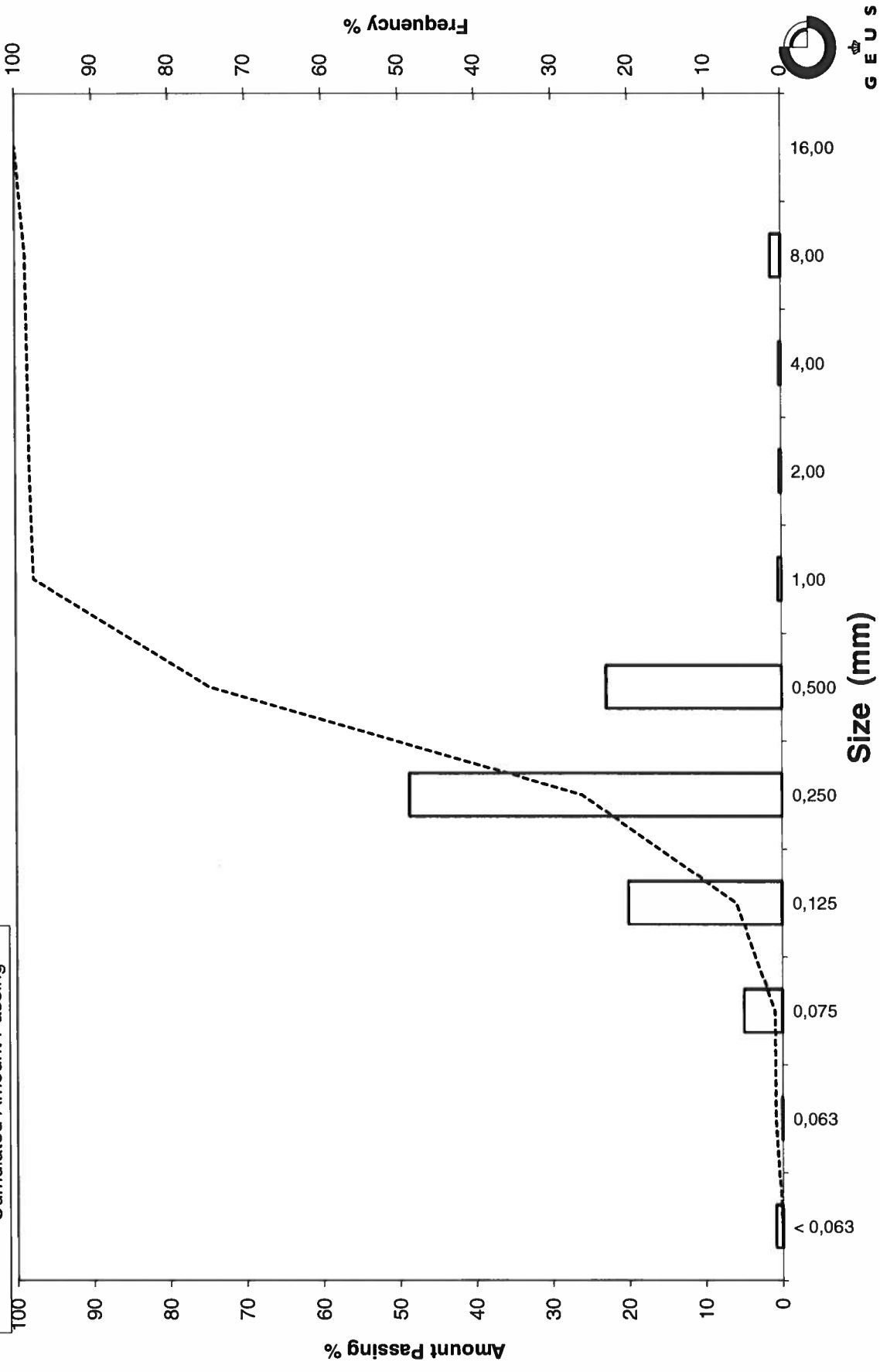
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# Grain Size Distribution

Sample Id: VKY 114, 0-73

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 117, 0-200  
**Lab. Id:** 200527  
**Projekt:** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >4mm består af skaller



**Total Weight** 109,05 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,12   | 0,11   | 99,89                    |
| 2,00    | -1,00  | 0,00   | 0,00   | 99,89                    |
| 1,00    | 0,00   | 2,18   | 2,00   | 97,89                    |
| 0,500   | 1,00   | 50,33  | 46,15  | 51,74                    |
| 0,250   | 2,00   | 48,58  | 44,55  | 7,19                     |
| 0,125   | 3,00   | 6,53   | 5,99   | 1,20                     |
| 0,075   | 3,74   | 0,59   | 0,54   | 0,66                     |
| 0,063   | 3,99   | 0,02   | 0,02   | 0,64                     |
| < 0,063 | > 3,99 | 0,70   | 0,64   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,64     |
| Sand, fine (0,063 mm - 0,200 mm): | 6,55     |
| Sand, medium (0,2 mm - 0,6 mm):   | 66,53    |
| Sand, coarse (0,6 mm - 2 mm):     | 26,17    |
| Gravel (> 2 mm):                  | 0,11     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,70  | 0,52 |
| 16%             | 84%            | 0,65  | 0,63 |
| 25%             | 75%            | 0,61  | 0,72 |
| 40%             | 60%            | 0,54  | 0,90 |
| Median 50%      | 50%            | 0,35  | 1,51 |
| 75%             | 25%            | 0,29  | 1,78 |
| 84%             | 16%            | 0,27  | 1,88 |
| 90%             | 10%            | 0,26  | 1,96 |
| 95%             | 5%             | 0,16  | 2,64 |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 1,34  |
| Sorting                | 0,64  |
| Skewness               | -0,17 |
| Kurtosis               | 0,83  |
| Uniformity Coefficient | 2,09  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

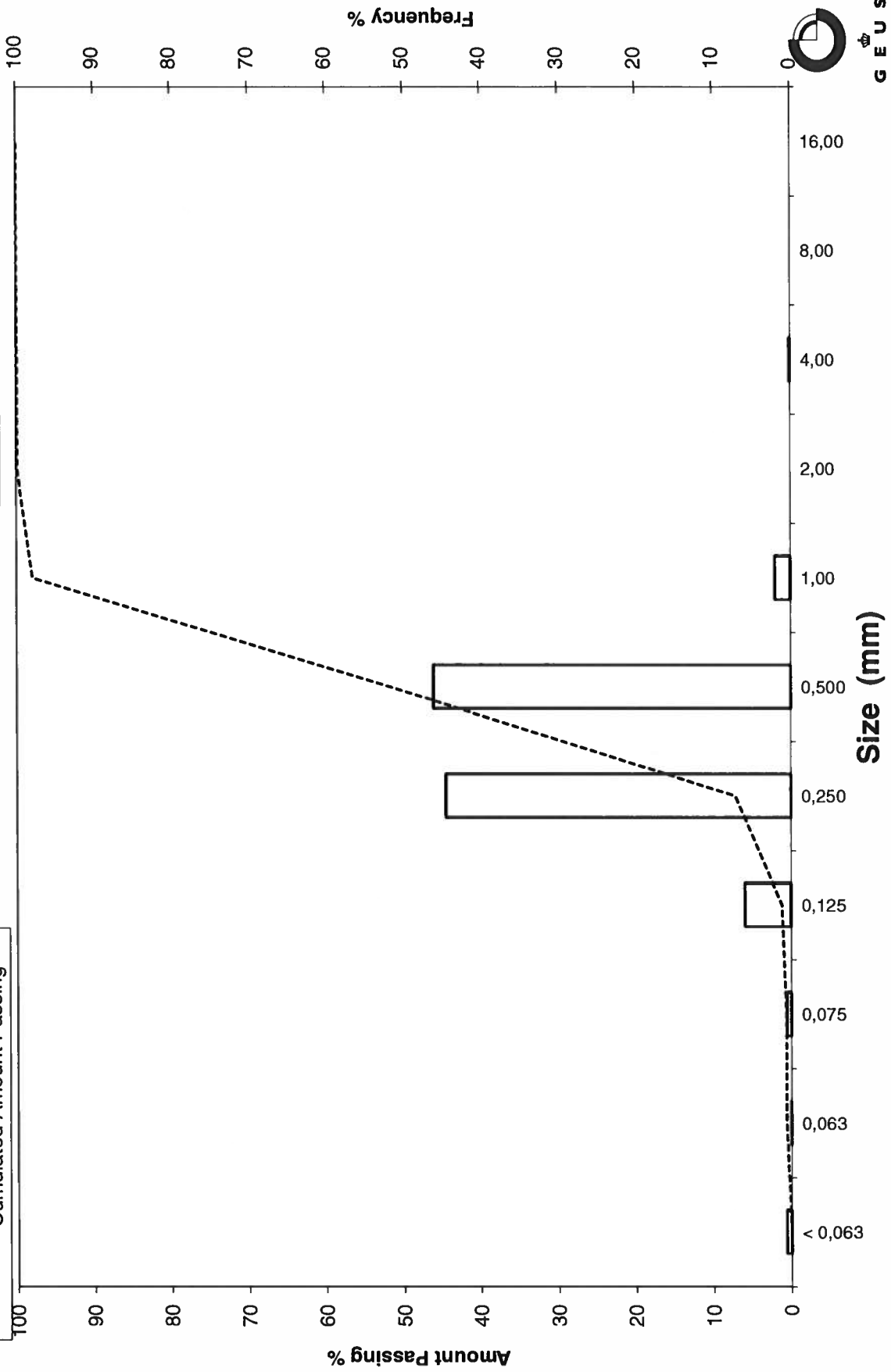
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: VKY 117, 0-200

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 120, 0-37  
**Lab. Id:** 200494  
**Projekt:** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >4mm heraf 1,6 g skaller



**Total Weight** 100,39 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 1,44   | 1,43   | 98,57                    |
| 4,00    | -2,00  | 0,27   | 0,27   | 98,30                    |
| 2,00    | -1,00  | 3,32   | 3,31   | 94,99                    |
| 1,00    | 0,00   | 28,76  | 28,65  | 66,34                    |
| 0,500   | 1,00   | 32,63  | 32,50  | 33,84                    |
| 0,250   | 2,00   | 13,34  | 13,29  | 20,55                    |
| 0,125   | 3,00   | 18,13  | 18,06  | 2,49                     |
| 0,075   | 3,74   | 1,61   | 1,60   | 0,89                     |
| 0,063   | 3,99   | 0,08   | 0,08   | 0,81                     |
| < 0,063 | > 3,99 | 0,81   | 0,81   | 0,00                     |

Sieve Analysis

Gravel

Sand

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,81     |
| Sand, fine (0,063 mm - 0,200 mm): | 19,74    |
| Sand, medium (0,2 mm - 0,6 mm):   | 28,77    |
| Sand, coarse (0,6 mm - 2 mm):     | 45,67    |
| Gravel (> 2 mm):                  | 5,01     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ     |
|-----------------|----------------|-------|-------|
| Amount in sieve | Amount passing |       |       |
| 5%              | 95%            | 2,00  | -1,00 |
| 16%             | 84%            | 1,25  | -0,32 |
| 25%             | 75%            | 1,12  | -0,16 |
| 40%             | 60%            | 0,67  | 0,58  |
| Median 50%      | 50%            | 0,60  | 0,73  |
| 75%             | 25%            | 0,29  | 1,81  |
| 84%             | 16%            | 0,17  | 2,59  |
| 90%             | 10%            | 0,15  | 2,76  |
| 95%             | 5%             | 0,13  | 2,91  |

### Moments Statistics

|                        |      |
|------------------------|------|
| Mean                   | 1,00 |
| Sorting                | 1,32 |
| Skewness               | 0,20 |
| Kurtosis               | 0,81 |
| Uniformity Coefficient | 4,52 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

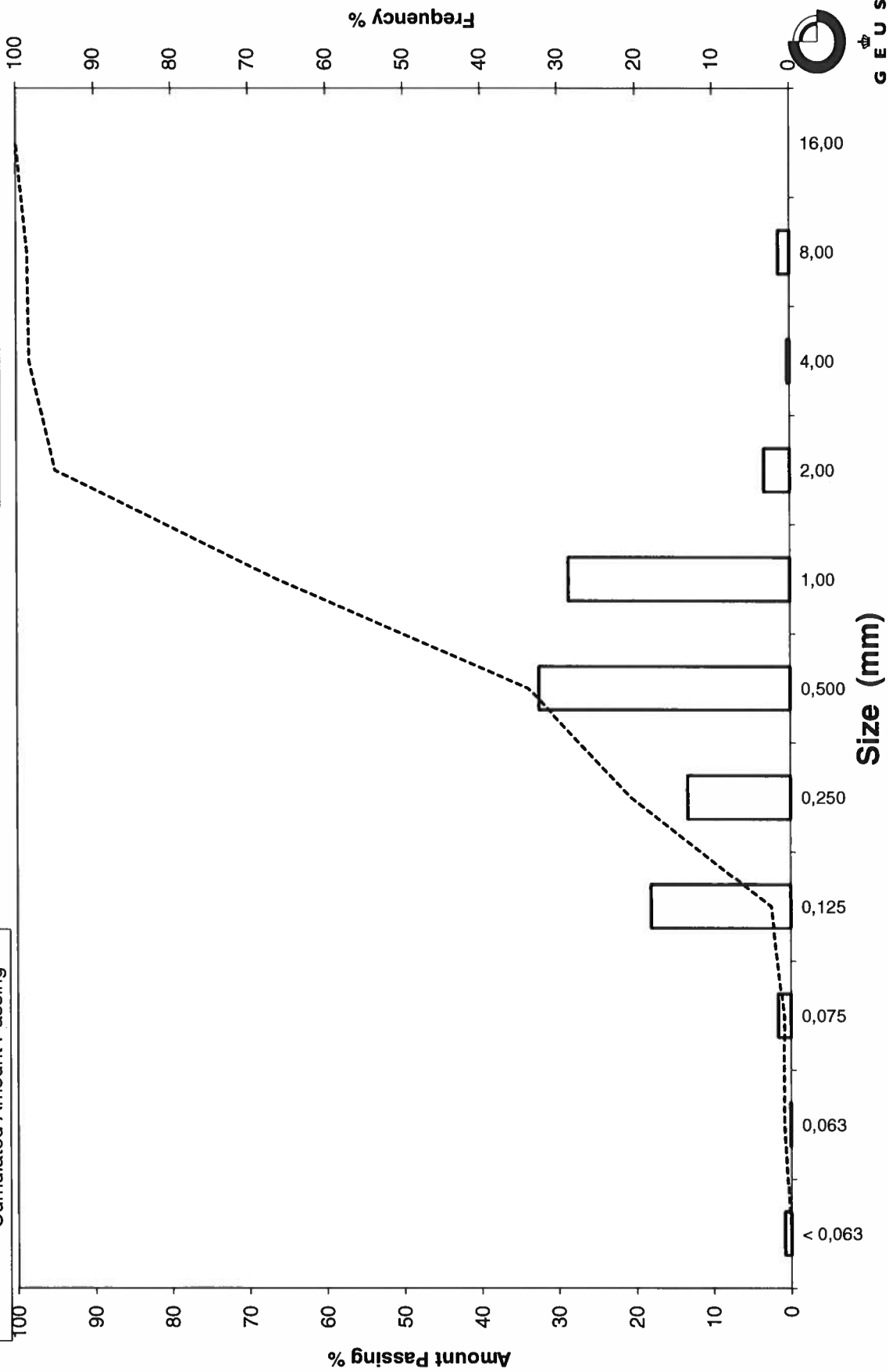
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: VKY 120, 0-37

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 121, 0-64  
**Lab. Id:** 200495  
**Projekt:** MST Råstoftkortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:** >2mm består af skaller



**Total Weight** 104,41 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,08   | 0,08   | 99,92                    |
| 2,00    | -1,00  | 0,07   | 0,07   | 99,86                    |
| 1,00    | 0,00   | 0,42   | 0,40   | 99,45                    |
| 0,500   | 1,00   | 12,39  | 11,87  | 87,59                    |
| 0,250   | 2,00   | 56,20  | 53,83  | 33,76                    |
| 0,125   | 3,00   | 32,20  | 30,84  | 2,92                     |
| 0,075   | 3,74   | 2,38   | 2,28   | 0,64                     |
| 0,063   | 3,99   | 0,21   | 0,20   | 0,44                     |
| < 0,063 | > 3,99 | 0,46   | 0,44   | 0,00                     |

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 0,44     |
| Sand, fine (0,063 mm - 0,200 mm): | 33,32    |
| Sand, medium (0,2 mm - 0,6 mm):   | 59,48    |
| Sand, coarse (0,6 mm - 2 mm):     | 6,62     |
| Gravel (> 2 mm):                  | 0,14     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,63  | 0,66 |
| 16%             | 84%            | 0,35  | 1,52 |
| 25%             | 75%            | 0,33  | 1,60 |
| 40%             | 60%            | 0,30  | 1,73 |
| Median 50%      | 50%            | 0,28  | 1,83 |
| 75%             | 25%            | 0,16  | 2,60 |
| 84%             | 16%            | 0,15  | 2,75 |
| 90%             | 10%            | 0,14  | 2,86 |
| 95%             | 5%             | 0,13  | 2,96 |

### Moments Statistics

|                        |      |
|------------------------|------|
| Mean                   | 2,03 |
| Sorting                | 0,66 |
| Skewness               | 0,24 |
| Kurtosis               | 0,93 |
| Uniformity Coefficient | 2,19 |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

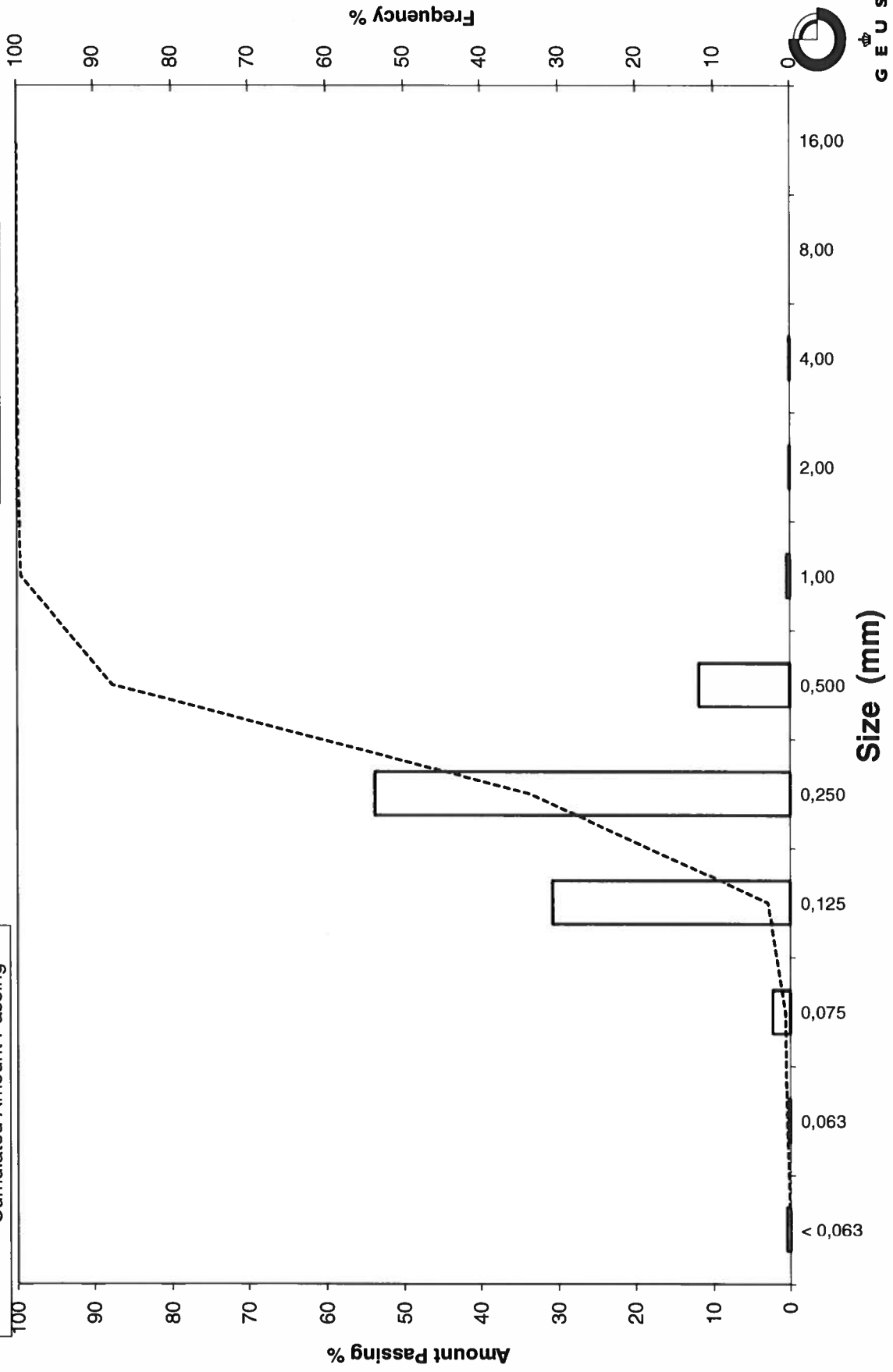
Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: VKY 121, 0-64

Frequency Percent  
Cumulated Amount Passing



# Grain Size Distribution

## Geotechnical

**Sample Id:** VKY 124, 50-400  
**Lab. Id:** 200496  
**Projekt** MST Råstokortlægning 2020  
**Subject:** 0  
**Date:** august 2020  
**Executed:** PS  
**Remarks:**



**Total Weight** 97,45 g

### Size Fractions

| Size    | Size   | Weight | Weight | Cumulated amount passing |
|---------|--------|--------|--------|--------------------------|
| mm      | Φ      | g      | %      | %                        |
| 16,00   | -4,00  | 0,00   | 0,00   | 100,00                   |
| 8,00    | -3,00  | 0,00   | 0,00   | 100,00                   |
| 4,00    | -2,00  | 0,00   | 0,00   | 100,00                   |
| 2,00    | -1,00  | 0,15   | 0,15   | 99,85                    |
| 1,00    | 0,00   | 0,18   | 0,18   | 99,66                    |
| 0,500   | 1,00   | 3,05   | 3,13   | 96,53                    |
| 0,250   | 2,00   | 35,10  | 36,02  | 60,51                    |
| 0,125   | 3,00   | 47,20  | 48,44  | 12,08                    |
| 0,075   | 3,74   | 10,06  | 10,32  | 1,75                     |
| 0,063   | 3,99   | 0,63   | 0,65   | 1,11                     |
| < 0,063 | > 3,99 | 1,08   | 1,11   | 0,00                     |

### Size Classes (DGF-Bulletin 1 1988)

|                                   | Weight % |
|-----------------------------------|----------|
| Silt and clay (< 0,063 mm):       | 1,11     |
| Sand, fine (0,063 mm - 0,200 mm): | 59,40    |
| Sand, medium (0,2 mm - 0,6 mm):   | 37,51    |
| Sand, coarse (0,6 mm - 2 mm):     | 1,82     |
| Gravel (> 2 mm):                  | 0,15     |
| Sum:                              | 100,00   |

### Moments Measures (Folk and Wards)

| Percentile      | Percentile     | d(mm) | Φ    |
|-----------------|----------------|-------|------|
| Amount in sieve | Amount passing |       |      |
| 5%              | 95%            | 0,35  | 1,51 |
| 16%             | 84%            | 0,32  | 1,65 |
| 25%             | 75%            | 0,29  | 1,77 |
| 40%             | 60%            | 0,18  | 2,48 |
| Median 50%      | 50%            | 0,17  | 2,57 |
| 75%             | 25%            | 0,14  | 2,84 |
| 84%             | 16%            | 0,13  | 2,95 |
| 90%             | 10%            | 0,09  | 3,52 |
| 95%             | 5%             | 0,08  | 3,65 |

### Moments Statistics

|                        |       |
|------------------------|-------|
| Mean                   | 2,39  |
| Sorting                | 0,65  |
| Skewness               | -0,21 |
| Kurtosis               | 0,82  |
| Uniformity Coefficient | 2,06  |

The analysis is executed according to DS 405.9

Size Classes and Percentiles are found by linear interpolation

### Formulas

Mean  $(\phi_{16\%} + \phi_{84\%} + \phi_{50\%}) / 3$  (Folk and Ward 1957)

Sorting  $(\phi_{84\%} - \phi_{16\%}) / 4 + (\phi_{95\%} - \phi_{5\%}) / 6,6$  (Folk and Ward 1957)

Kurtosis  $(\phi_{95\%} - \phi_{5\%}) / (2,44 * (\phi_{75\%} - \phi_{25\%}))$  (Folk and Ward 1957)

Skewness  $(\phi_{16\%} + \phi_{84\%} - 2 * \phi_{50\%}) / (2 * (\phi_{84\%} - \phi_{16\%})) + (\phi_{5\%} + \phi_{95\%} - 2 * \phi_{50\%}) / (2 * (\phi_{95\%} - \phi_{5\%}))$  (Folk and Ward 1957)

Uniformity Coefficient  $(d_{60\%} / d_{10\%})$  (dgf-Bulletin 1988)

Mean, sorting, skewness and kurtosis are based on "Amount in sieve". Uniformity coefficient is based on "Amount passing".

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# Grain Size Distribution

Sample Id: VKY 124, 50-400

Frequency Percent  
Cumulated Amount Passing

