

PARTICLE SIZE DISTRIBUTION

CILAS 1180 Liquid

Range : 0.04 μm - 2500.00 μm / 100 Classes

Sample ref. : CB-23-01_4-6cmB
 Sample Name :
 Sample type : Mixed
 Comments :
 Liquid : Water (eau)
 Dispersing agent :
 Operator : Olivia
 Company :
 Location :
 Date : 07/05/2023 Time : 09:55:29AM
 Index meas. : 2891
 Database name : Granulog

Ultrasounds : 15 s (+during)
 Obscuration : 16 %
 Diameter at 10% : 77.86 μm
 Diameter at 50% : 153.66 μm
 Diameter at 90% : 243.25 μm
 Mean diameter : 157.75 μm
 Fraunhofer
 Density/Factor : -----
 Specific surface : -----
 Automatic dilution : No / No
 Meas./Rins. : 60s/60s/4
 SOP name : Mixed

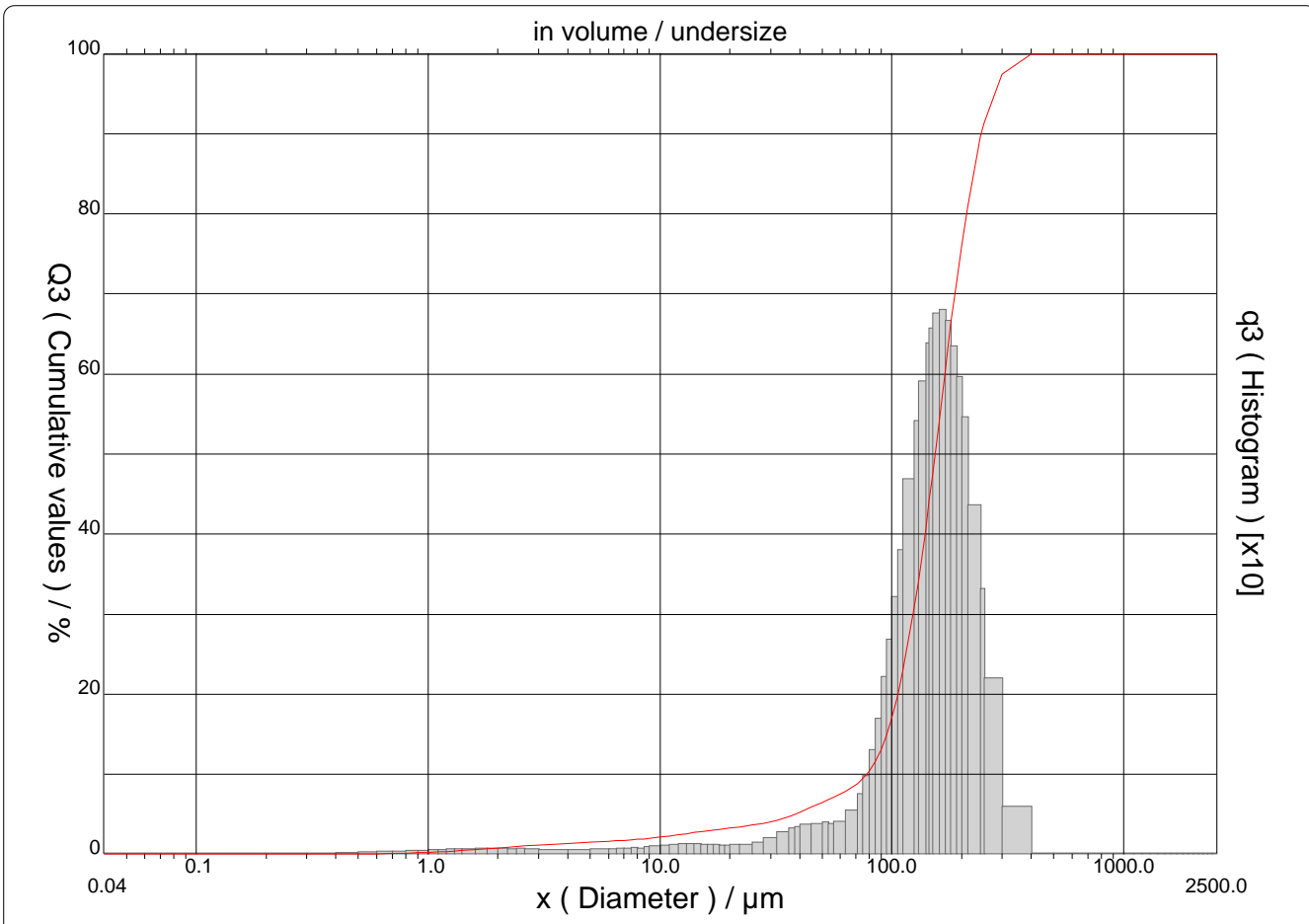
Customer defined classes

in volume / undersize

| | | | | | | | | | | |
|----|------|------|-------|-------|-------|-------|-------|-------|--------|--------|
| x | 0.04 | 3.90 | 62.00 | 88.00 | 125.0 | 177.0 | 250.0 | 350.0 | 500.0 | 710.0 |
| Q3 | 0.00 | 1.34 | 7.75 | 12.43 | 30.83 | 64.56 | 91.38 | 99.45 | 100.00 | 100.00 |

| | | | |
|----|--------|--------|--------|
| x | 1000.0 | 1410.0 | 2000.0 |
| Q3 | 100.00 | 100.00 | 100.00 |

x : diameter / μm Q3 : cumulative value / % q3 : population density



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 Fraunhofer
 Density/Factor : -----
 Specific surface : -----
 Automatic dilution : No / No
 Meas./Rins. : 60s/60s/4
 SOP name : Mixed

Standards classes

in volume / undersize

| | | | | | | | | | | |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| x | 0.04 | 0.07 | 0.10 | 0.20 | 0.30 | 0.40 | 0.50 | 0.60 | 0.70 | 0.80 |
| Q3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.02 | 0.05 | 0.10 | 0.14 |
| q3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.01 | 0.01 | 0.02 | 0.02 |
| x | 0.90 | 1.00 | 1.10 | 1.20 | 1.30 | 1.40 | 1.60 | 1.80 | 2.00 | 2.20 |
| Q3 | 0.20 | 0.25 | 0.31 | 0.37 | 0.43 | 0.49 | 0.60 | 0.71 | 0.80 | 0.89 |
| q3 | 0.03 | 0.03 | 0.04 | 0.05 | 0.05 | 0.05 | 0.05 | 0.06 | 0.06 | 0.06 |
| x | 2.40 | 2.60 | 3.00 | 4.00 | 5.00 | 6.00 | 6.50 | 7.00 | 7.50 | 8.00 |
| Q3 | 0.96 | 1.03 | 1.15 | 1.35 | 1.50 | 1.63 | 1.69 | 1.76 | 1.82 | 1.89 |
| q3 | 0.05 | 0.06 | 0.05 | 0.05 | 0.04 | 0.05 | 0.05 | 0.06 | 0.06 | 0.07 |
| x | 8.50 | 9.00 | 10.00 | 11.00 | 12.00 | 13.00 | 14.00 | 15.00 | 16.00 | 17.00 |
| Q3 | 1.95 | 2.02 | 2.16 | 2.30 | 2.44 | 2.58 | 2.71 | 2.83 | 2.94 | 3.04 |
| q3 | 0.06 | 0.08 | 0.09 | 0.10 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 | 0.11 |
| x | 18.00 | 19.00 | 20.00 | 22.00 | 25.00 | 28.00 | 32.00 | 36.00 | 38.00 | 40.00 |
| Q3 | 3.13 | 3.21 | 3.29 | 3.44 | 3.65 | 3.89 | 4.28 | 4.75 | 5.01 | 5.27 |
| q3 | 0.10 | 0.10 | 0.10 | 0.10 | 0.11 | 0.14 | 0.19 | 0.26 | 0.32 | 0.33 |
| x | 45.00 | 50.00 | 53.00 | 56.00 | 63.00 | 71.00 | 75.00 | 80.00 | 85.00 | 90.00 |
| Q3 | 5.91 | 6.50 | 6.84 | 7.15 | 7.86 | 8.83 | 9.45 | 10.40 | 11.59 | 13.06 |
| q3 | 0.36 | 0.37 | 0.38 | 0.37 | 0.40 | 0.53 | 0.74 | 0.96 | 1.29 | 1.69 |
| x | 95.00 | 100.0 | 106.0 | 112.0 | 125.0 | 130.0 | 140.0 | 145.0 | 150.0 | 160.0 |
| Q3 | 14.88 | 16.97 | 19.82 | 23.00 | 30.83 | 34.06 | 40.72 | 44.13 | 47.52 | 54.16 |
| q3 | 2.21 | 2.67 | 3.21 | 3.79 | 4.67 | 5.40 | 5.89 | 6.37 | 6.55 | 6.74 |
| x | 170.0 | 180.0 | 190.0 | 200.0 | 212.0 | 242.0 | 250.0 | 300.0 | 400.0 | 500.0 |
| Q3 | 60.44 | 66.24 | 71.46 | 76.12 | 80.96 | 89.74 | 91.38 | 97.46 | 100.00 | 100.00 |
| q3 | 6.79 | 6.65 | 6.33 | 5.95 | 5.44 | 4.35 | 3.31 | 2.19 | 0.58 | 0.00 |
| x | 600.0 | 700.0 | 800.0 | 900.0 | 1000.0 | 1100.0 | 1200.0 | 1300.0 | 1400.0 | 1500.0 |
| Q3 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| q3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| x | 1600.0 | 1700.0 | 1800.0 | 1900.0 | 2000.0 | 2100.0 | 2200.0 | 2300.0 | 2400.0 | 2500.0 |
| Q3 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 | 100.00 |
| q3 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |

x : diameter / µm Q3 : cumulative value / % q3 : population density