

PARTICLE SIZE DISTRIBUTION

CILAS 1180 Liquid

Range : 0.04 μm - 2500.00 μm / 100 Classes

Sample ref. : CB-23-06_68-70cm
 Sample Name :
 Sample type : Mixed
 Comments :
 Liquid : Water (eau)
 Dispersing agent :
 Operator : Olivia
 Company :
 Location :
 Date : 08/08/2023 Time : 03:28:42PM
 Index meas. : 3000
 Database name : Granulog

Ultrasounds : 15 s (+during)
 Obscuration : 19 %
 Diameter at 10% : 15.23 μm
 Diameter at 50% : 168.88 μm
 Diameter at 90% : 342.81 μm
 Mean diameter : 176.52 μm
 Fraunhofer :
 Density/Factor : -----
 Specific surface : -----
 Automatic dilution : No / No
 Meas./Rins. : 60s/60s/4
 SOP name : Mixed

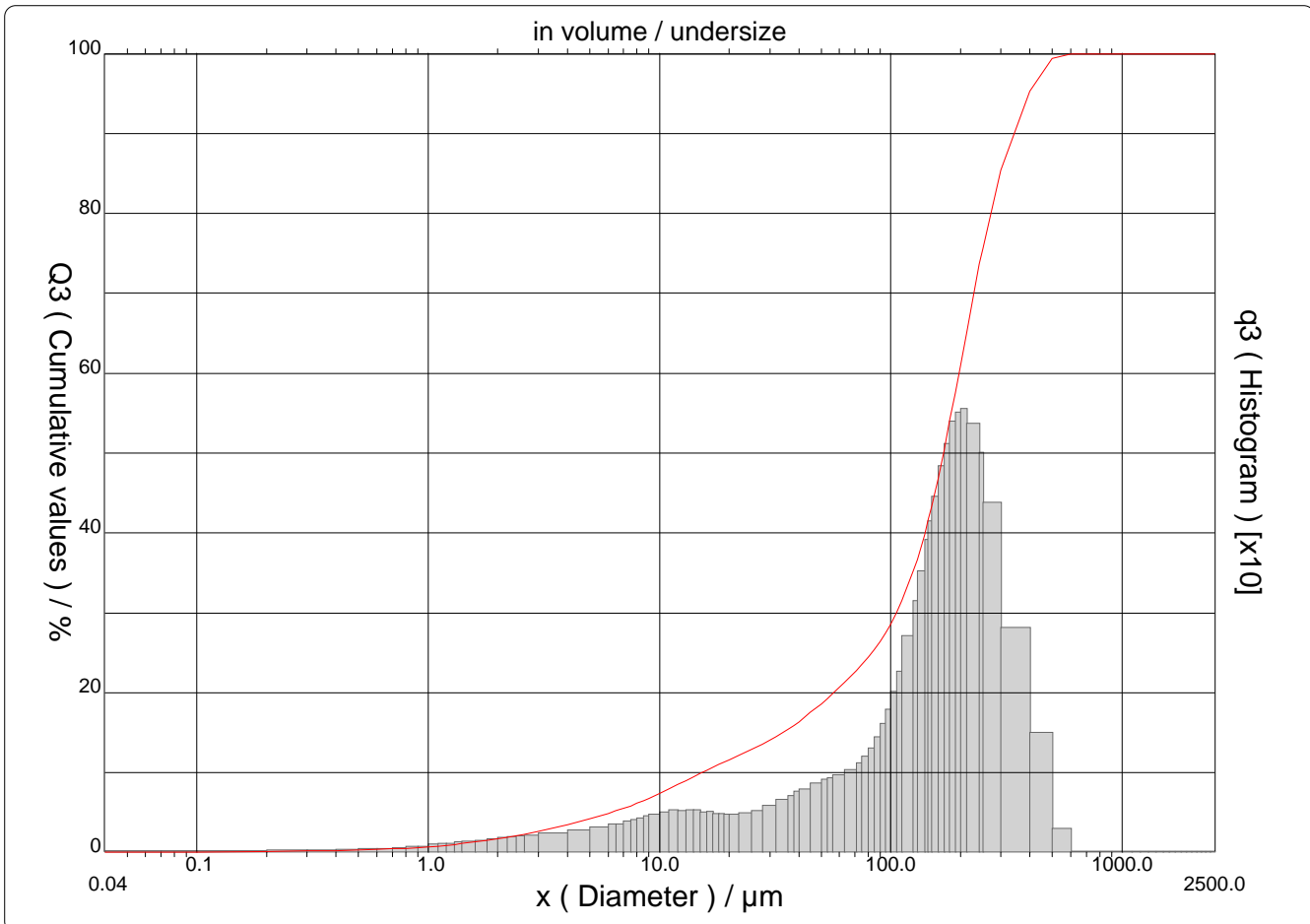
Customer defined classes

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	0.01	3.41	21.07	26.00	35.18	52.90	75.64	91.43	99.37	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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 Liquid : Water (eau)
 Dispersing agent :
 Operator : Olivia
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 Database name : Granulog

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 Diameter at 10% : 15.23 µm
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 Diameter at 90% : 342.81 µm
 Mean diameter : 176.52 µm
 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	0.01	0.04	0.07	0.14	0.21	0.27	0.34	0.41	0.48	0.55
q3	0.00	0.00	0.01	0.01	0.01	0.02	0.03	0.03	0.04	0.04
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.64	0.72	0.82	0.92	1.02	1.13	1.34	1.54	1.74	1.94
q3	0.06	0.06	0.09	0.09	0.10	0.12	0.13	0.14	0.15	0.17
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	2.13	2.32	2.67	3.49	4.22	4.89	5.22	5.53	5.85	6.16
q3	0.18	0.19	0.20	0.23	0.27	0.30	0.34	0.34	0.38	0.39
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	6.47	6.78	7.38	7.95	8.50	9.00	9.47	9.91	10.30	10.67
q3	0.42	0.44	0.46	0.49	0.52	0.51	0.52	0.52	0.49	0.50
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	11.00	11.31	11.60	12.14	12.89	13.59	14.53	15.47	15.93	16.40
q3	0.47	0.47	0.46	0.46	0.48	0.50	0.57	0.65	0.69	0.75
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	17.53	18.63	19.27	19.89	21.27	22.77	23.51	24.45	25.41	26.41
q3	0.78	0.85	0.90	0.92	0.95	1.02	1.10	1.19	1.29	1.43
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	27.47	28.59	30.02	31.54	35.18	36.69	39.88	41.56	43.28	46.80
q3	1.60	1.78	2.00	2.25	2.70	3.14	3.51	3.90	4.14	4.45
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	50.39	53.97	57.54	61.00	64.96	73.65	75.64	85.41	95.31	99.37
q3	4.83	5.10	5.38	5.50	5.54	5.35	4.99	4.37	2.80	1.48
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	0.28	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

PARTICLE SIZE DISTRIBUTION

CILAS 1180 Liquid

Range : 0.04 μm - 2500.00 μm / 100 Classes

Sample ref. : CB-23-06_70-72cm
 Sample Name :
 Sample type : Mixed
 Comments :
 Liquid : Water (eau)
 Dispersing agent :
 Operator : Olivia
 Company :
 Location :
 Date : 08/08/2023 Time : 03:40:55PM
 Index meas. : 3001
 Database name : Granulog

Ultrasounds : 15 s (+during)
 Obscuration : 17 %
 Diameter at 10% : 11.18 μm
 Diameter at 50% : 161.67 μm
 Diameter at 90% : 341.61 μm
 Mean diameter : 169.11 μm
 Fraunhofer :
 Density/Factor : -----
 Specific surface : -----
 Automatic dilution : No / No
 Meas./Rins. : 60s/60s/4
 SOP name : Mixed

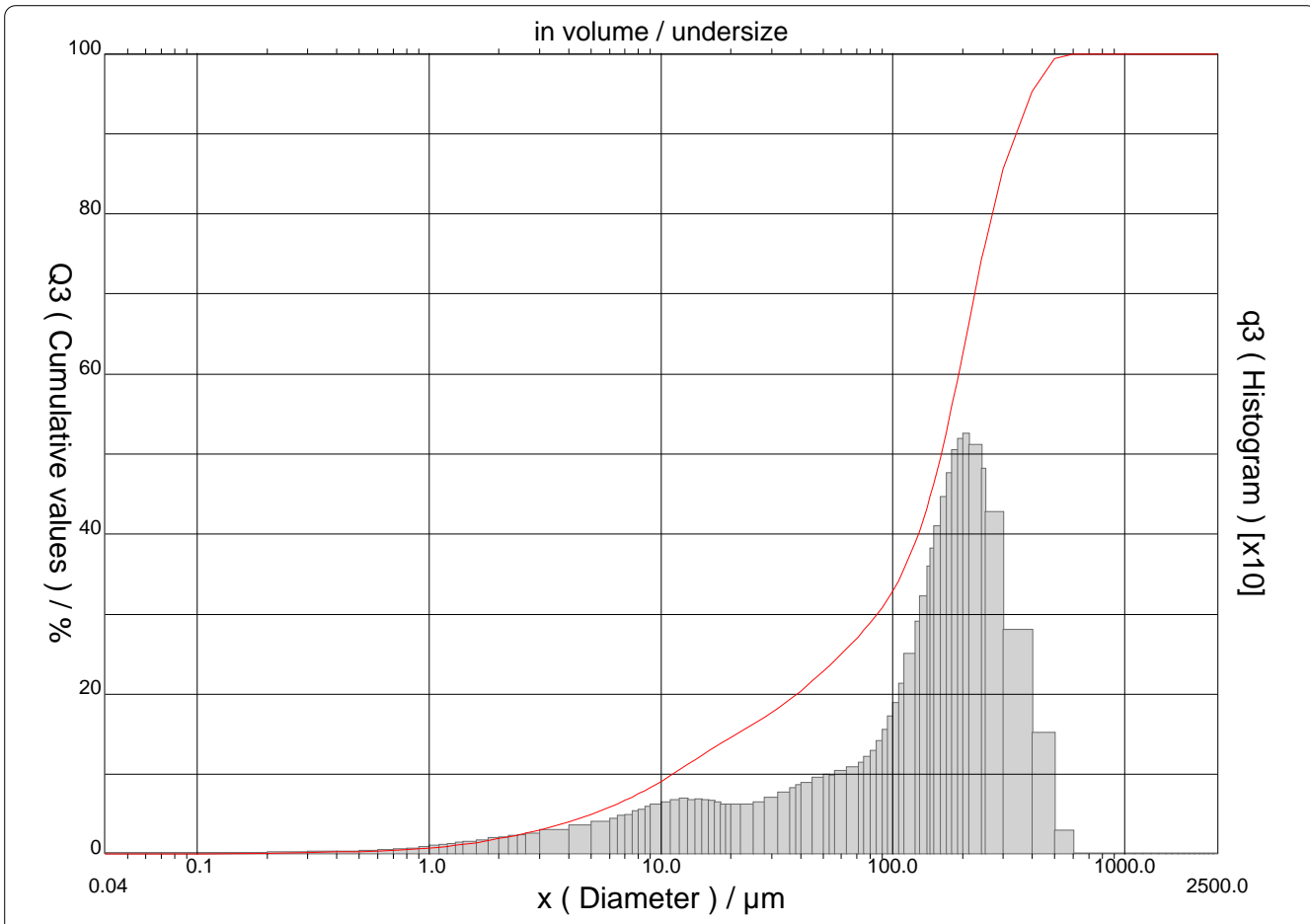
Customer defined classes

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	0.01	3.99	25.45	30.42	38.92	55.00	76.23	91.49	99.37	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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 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	0.01	0.04	0.07	0.14	0.22	0.30	0.37	0.45	0.53	0.61
q3	0.00	0.00	0.01	0.01	0.02	0.02	0.03	0.04	0.04	0.05
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.70	0.80	0.91	1.02	1.13	1.25	1.49	1.72	1.96	2.19
q3	0.06	0.08	0.10	0.10	0.11	0.13	0.15	0.16	0.19	0.20
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	2.42	2.64	3.07	4.09	5.03	5.90	6.32	6.74	7.14	7.55
q3	0.22	0.23	0.25	0.29	0.35	0.39	0.43	0.47	0.48	0.53
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	7.95	8.35	9.13	9.87	10.57	11.23	11.83	12.39	12.91	13.39
q3	0.55	0.58	0.61	0.64	0.67	0.68	0.67	0.67	0.67	0.65
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	13.83	14.23	14.61	15.31	16.26	17.14	18.26	19.34	19.87	20.40
q3	0.64	0.61	0.61	0.61	0.61	0.64	0.69	0.76	0.81	0.85
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	21.66	22.86	23.55	24.20	25.66	27.21	27.96	28.90	29.84	30.81
q3	0.88	0.94	0.98	0.98	1.03	1.07	1.13	1.20	1.28	1.40
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	31.82	32.88	34.20	35.61	38.92	40.29	43.17	44.69	46.25	49.44
q3	1.55	1.71	1.87	2.12	2.49	2.89	3.21	3.58	3.81	4.09
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	52.70	55.98	59.27	62.48	66.17	74.34	76.23	85.62	95.32	99.37
q3	4.45	4.75	5.03	5.18	5.24	5.11	4.81	4.26	2.79	1.50
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	0.29	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

PARTICLE SIZE DISTRIBUTION

CILAS 1180 Liquid

Range : 0.04 μm - 2500.00 μm / 100 Classes

Sample ref. : CB-23-06_72-74cm
 Sample Name :
 Sample type : Mixed
 Comments :
 Liquid : Water (eau)
 Dispersing agent :
 Operator : Olivia
 Company :
 Location :
 Date : 08/08/2023 Time : 03:47:49PM
 Index meas. : 3002
 Database name : Granulog

Ultrasounds : 15 s (+during)
 Obscuration : 15 %
 Diameter at 10% : 12.91 μm
 Diameter at 50% : 160.90 μm
 Diameter at 90% : 335.15 μm
 Mean diameter : 167.75 μm
 Fraunhofer :
 Density/Factor : -----
 Specific surface : -----
 Automatic dilution : No / No
 Meas./Rins. : 60s/60s/4
 SOP name : Mixed

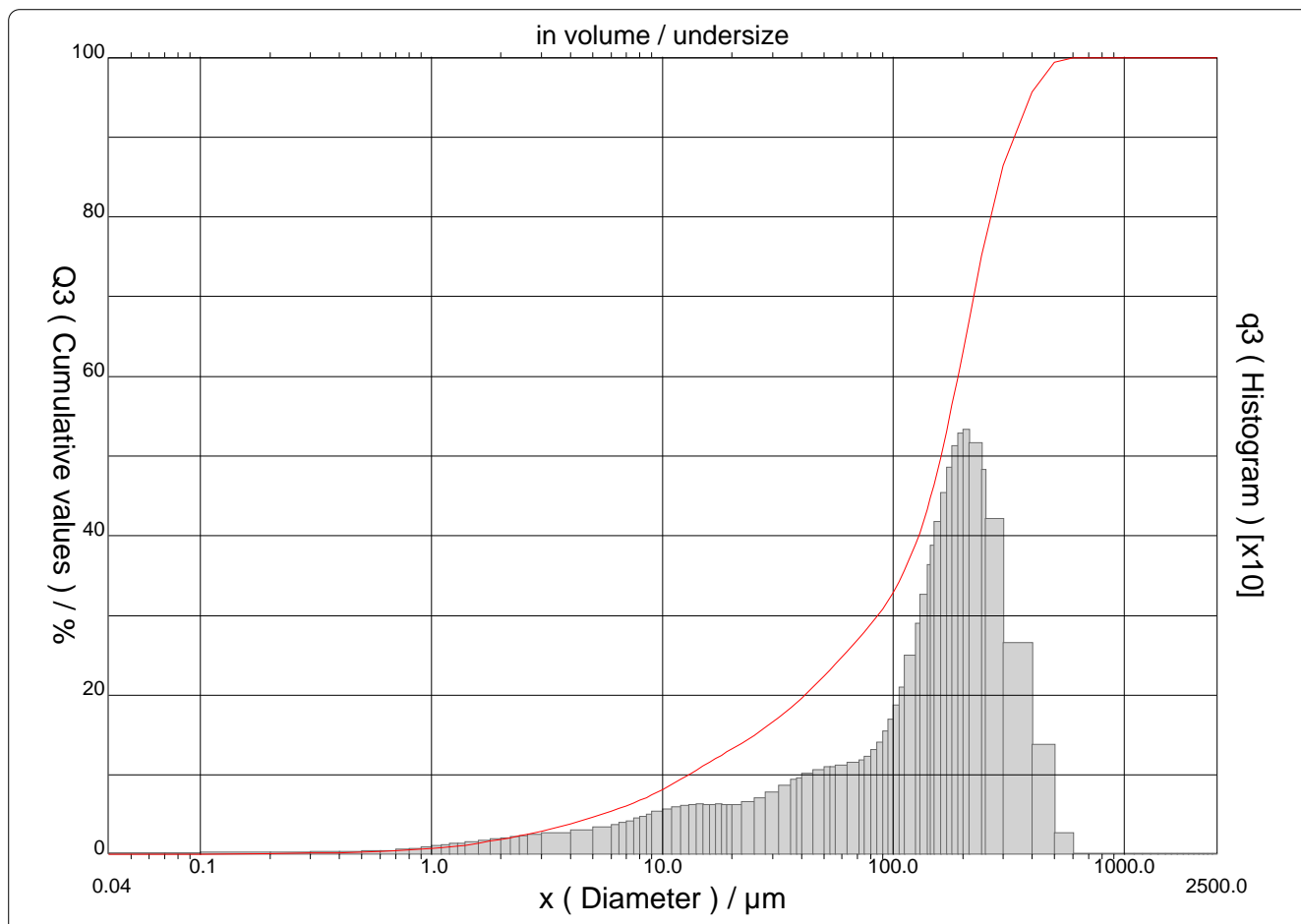
Customer defined classes

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	3.81	25.28	30.44	38.94	55.41	77.09	92.10	99.42	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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 Liquid : Water (eau)
 Dispersing agent :
 Operator : Olivia
 Company :
 Location :
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 Diameter at 90% : 335.15 μm
 Mean diameter : 167.75 μm
 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	0.02	0.04	0.12	0.20	0.27	0.34	0.41	0.48	0.57
q3	0.00	0.00	0.00	0.01	0.02	0.02	0.03	0.03	0.04	0.06
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.66	0.76	0.87	0.98	1.10	1.21	1.45	1.69	1.92	2.14
q3	0.06	0.08	0.09	0.10	0.12	0.12	0.15	0.17	0.18	0.19
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	2.36	2.57	2.98	3.89	4.70	5.44	5.79	6.14	6.48	6.83
q3	0.21	0.22	0.23	0.26	0.30	0.33	0.36	0.39	0.40	0.44
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	7.17	7.51	8.19	8.84	9.46	10.05	10.60	11.12	11.60	12.05
q3	0.46	0.49	0.53	0.56	0.58	0.60	0.61	0.62	0.61	0.61
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	12.48	12.88	13.26	13.97	14.98	15.94	17.20	18.42	19.03	19.62
q3	0.62	0.61	0.61	0.61	0.65	0.69	0.77	0.85	0.92	0.94
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	21.06	22.41	23.18	23.91	25.50	27.16	27.94	28.90	29.86	30.83
q3	1.00	1.05	1.08	1.09	1.11	1.14	1.17	1.22	1.30	1.39
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	31.84	32.89	34.21	35.61	38.94	40.32	43.26	44.81	46.41	49.69
q3	1.53	1.68	1.86	2.08	2.49	2.88	3.25	3.62	3.87	4.16
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	53.04	56.42	59.79	63.09	66.87	75.18	77.09	86.43	95.70	99.42
q3	4.53	4.85	5.11	5.27	5.32	5.15	4.81	4.20	2.64	1.37
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	0.26	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

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CILAS 1180 Liquid

Range : 0.04 μm - 2500.00 μm / 100 Classes

Sample ref. : CB-23-06_74-76cm
 Sample Name :
 Sample type : Mixed
 Comments :
 Liquid : Water (eau)
 Dispersing agent :
 Operator : Olivia
 Company :
 Location :
 Date : 08/08/2023 Time : 03:54:40PM
 Index meas. : 3003
 Database name : Granulog

Ultrasounds : 15 s (+during)
 Obscuration : 23 %
 Diameter at 10% : 5.80 μm
 Diameter at 50% : 91.12 μm
 Diameter at 90% : 311.03 μm
 Mean diameter : 129.74 μm
 Fraunhofer
 Density/Factor : -----
 Specific surface : -----
 Automatic dilution : No / No
 Meas./Rins. : 60s/60s/4
 SOP name : Mixed

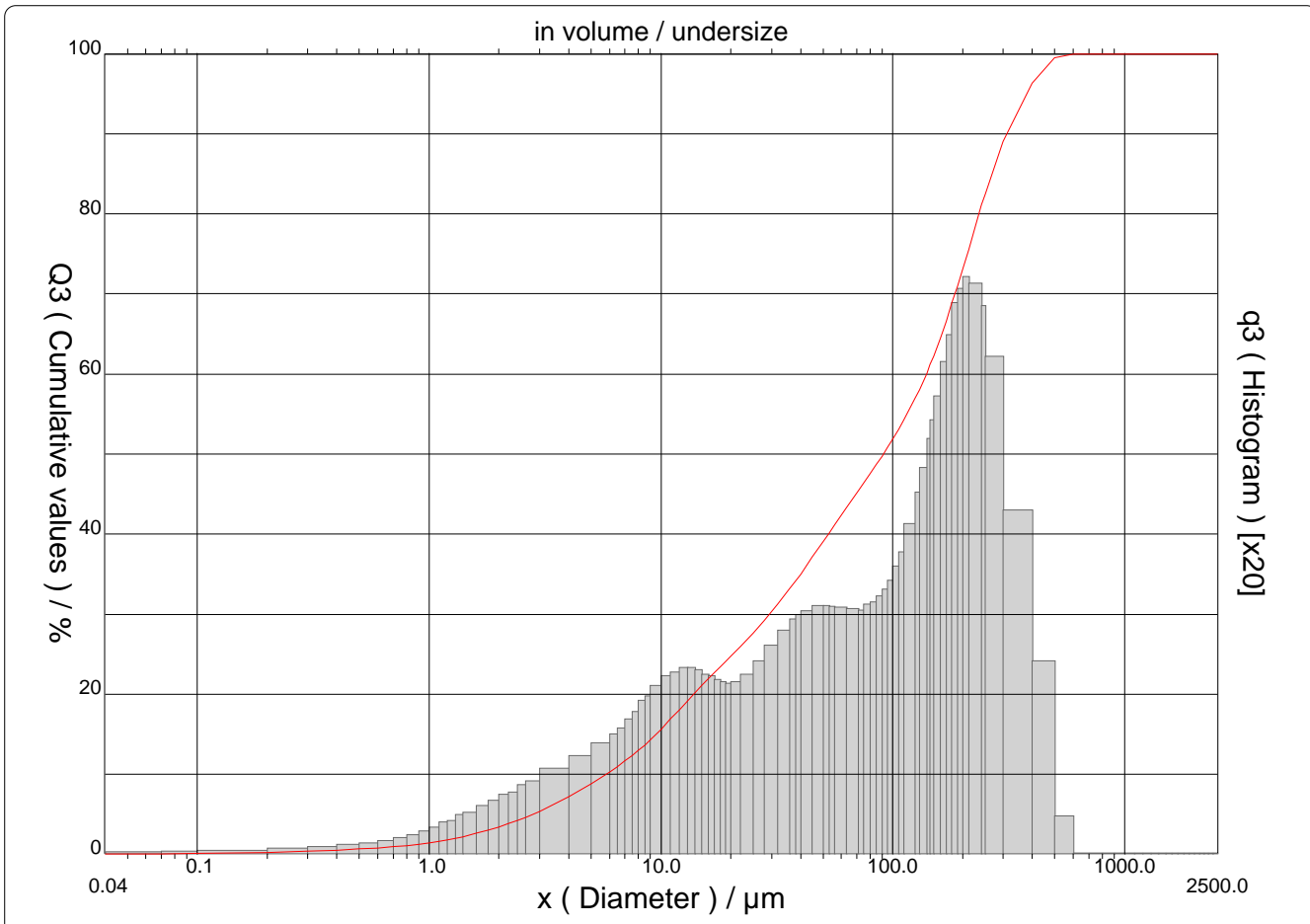
Customer defined classes

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	0.02	7.02	42.96	49.33	56.95	68.13	82.43	93.42	99.50	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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Sample type : Mixed
Comments :
Liquid : Water (eau)
Dispersing agent :
Operator : Olivia
Company :
Location :
Date : 08/08/2023 Time : 03:54:40PM
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Specific surface : -----
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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	0.02	0.08	0.13	0.26	0.40	0.54	0.68	0.82	0.96	1.11
q3	0.00	0.01	0.01	0.02	0.03	0.04	0.05	0.07	0.08	0.10
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	1.27	1.44	1.62	1.82	2.01	2.22	2.62	3.03	3.44	3.85
q3	0.12	0.14	0.16	0.20	0.20	0.24	0.25	0.30	0.33	0.37
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	4.24	4.64	5.40	7.19	8.79	10.27	10.97	11.65	12.33	13.00
q3	0.38	0.42	0.45	0.53	0.61	0.69	0.74	0.78	0.84	0.88
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	13.68	14.34	15.64	16.88	18.04	19.13	20.14	21.07	21.92	22.71
q3	0.95	0.98	1.05	1.10	1.13	1.16	1.16	1.14	1.12	1.11
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	23.44	24.12	24.76	25.96	27.64	29.24	31.28	33.21	34.14	35.04
q3	1.08	1.07	1.06	1.07	1.12	1.20	1.30	1.39	1.46	1.49
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	37.14	39.06	40.12	41.12	43.25	45.40	46.38	47.56	48.68	49.76
q3	1.51	1.55	1.54	1.54	1.54	1.53	1.52	1.55	1.57	1.60
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	50.81	51.84	53.07	54.29	56.95	57.99	60.09	61.16	62.24	64.41
q3	1.65	1.70	1.79	1.88	2.06	2.25	2.41	2.59	2.70	2.85
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	66.60	68.78	70.97	73.10	75.57	81.12	82.43	89.09	96.34	99.50
q3	3.07	3.24	3.44	3.53	3.60	3.56	3.42	3.10	2.14	1.20
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	0.23	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

PARTICLE SIZE DISTRIBUTION

CILAS 1180 Liquid

Range : 0.04 μm - 2500.00 μm / 100 Classes

Sample ref. : CB-23-06_76-78cm
 Sample Name :
 Sample type : Mixed
 Comments :
 Liquid : Water (eau)
 Dispersing agent :
 Operator : Olivia
 Company :
 Location :
 Date : 08/08/2023 Time : 04:01:50PM
 Index meas. : 3004
 Database name : Granulog

Ultrasounds : 15 s (+during)
 Obscuration : 13 %
 Diameter at 10% : 10.91 μm
 Diameter at 50% : 175.00 μm
 Diameter at 90% : 366.73 μm
 Mean diameter : 180.22 μm
 Fraunhofer
 Density/Factor : -----
 Specific surface : -----
 Automatic dilution : No / No
 Meas./Rins. : 60s/60s/4
 SOP name : Mixed

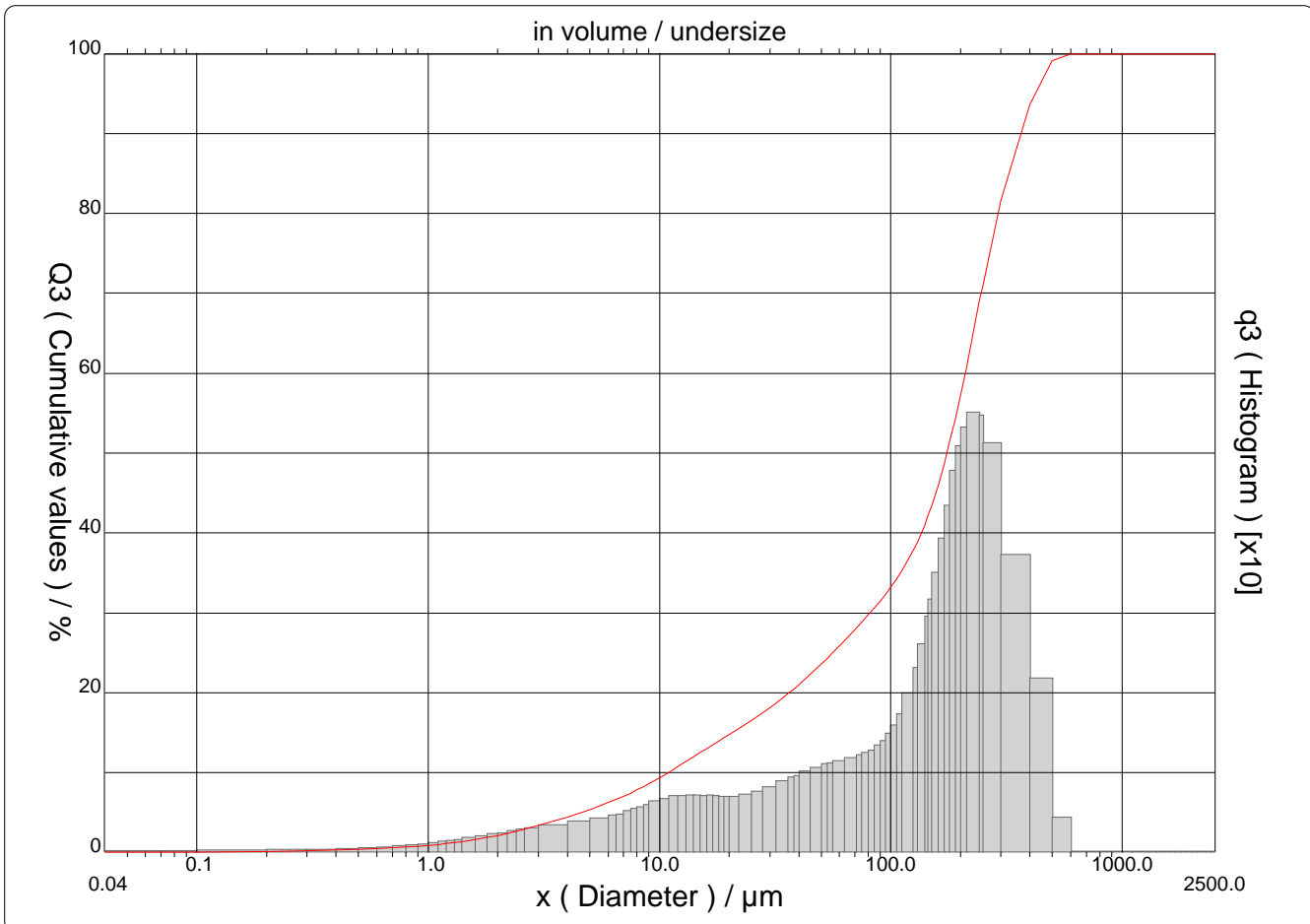
Customer defined classes

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	4.34	26.31	31.14	37.76	50.53	71.00	88.71	99.13	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



PARTICLE SIZE DISTRIBUTION

CILAS 1180 Liquid

Range : 0.04 μm - 2500.00 μm / 100 Classes

Sample ref. : CB-23-06_76-78cm
 Sample Name :
 Sample type : Mixed
 Comments :
 Liquid : Water (eau)
 Dispersing agent :
 Operator : Olivia
 Company :
 Location :
 Date : 08/08/2023 Time : 04:01:50PM
 Index meas. : 3004
 Database name : Granulog

Ultrasounds : 15 s (+during)
 Obscuration : 13 %
 Diameter at 10% : 10.91 μm
 Diameter at 50% : 175.00 μm
 Diameter at 90% : 366.73 μm
 Mean diameter : 180.22 μm
 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	0.02	0.05	0.14	0.23	0.32	0.40	0.49	0.58	0.68
q3	0.00	0.00	0.01	0.01	0.02	0.03	0.03	0.04	0.05	0.07
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.78	0.89	1.01	1.13	1.25	1.37	1.63	1.88	2.14	2.39
q3	0.07	0.09	0.11	0.12	0.13	0.14	0.17	0.19	0.22	0.23
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	2.64	2.89	3.36	4.44	5.39	6.25	6.66	7.05	7.45	7.84
q3	0.25	0.28	0.29	0.33	0.38	0.42	0.45	0.46	0.51	0.53
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	8.22	8.60	9.35	10.06	10.74	11.37	11.96	12.51	13.02	13.50
q3	0.55	0.59	0.63	0.66	0.69	0.69	0.70	0.70	0.70	0.70
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	13.95	14.37	14.77	15.51	16.54	17.50	18.72	19.89	20.46	21.01
q3	0.70	0.69	0.69	0.69	0.71	0.75	0.81	0.88	0.93	0.95
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	22.35	23.60	24.32	25.01	26.52	28.10	28.85	29.75	30.62	31.48
q3	1.00	1.05	1.09	1.11	1.13	1.17	1.21	1.23	1.27	1.33
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	32.33	33.19	34.23	35.30	37.76	38.78	40.96	42.13	43.34	45.89
q3	1.39	1.48	1.58	1.72	1.98	2.30	2.60	2.94	3.15	3.49
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	48.58	51.38	54.30	57.25	60.75	68.99	71.00	81.56	93.65	99.13
q3	3.92	4.33	4.77	5.08	5.30	5.50	5.46	5.11	3.71	2.17
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	0.42	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

PARTICLE SIZE DISTRIBUTION

CILAS 1180 Liquid

Range : 0.04 μm - 2500.00 μm / 100 Classes

Sample ref. : CB-23-06_78-80cm
 Sample Name :
 Sample type : Mixed
 Comments :
 Liquid : Water (eau)
 Dispersing agent :
 Operator : Olivia
 Company :
 Location :
 Date : 08/08/2023 Time : 04:08:46PM
 Index meas. : 3005
 Database name : Granulog

Ultrasounds : 15 s (+during)
 Obscuration : 14 %
 Diameter at 10% : 10.61 μm
 Diameter at 50% : 168.21 μm
 Diameter at 90% : 360.83 μm
 Mean diameter : 175.63 μm
 Fraunhofer
 Density/Factor : -----
 Specific surface : -----
 Automatic dilution : No / No
 Meas./Rins. : 60s/60s/4
 SOP name : Mixed

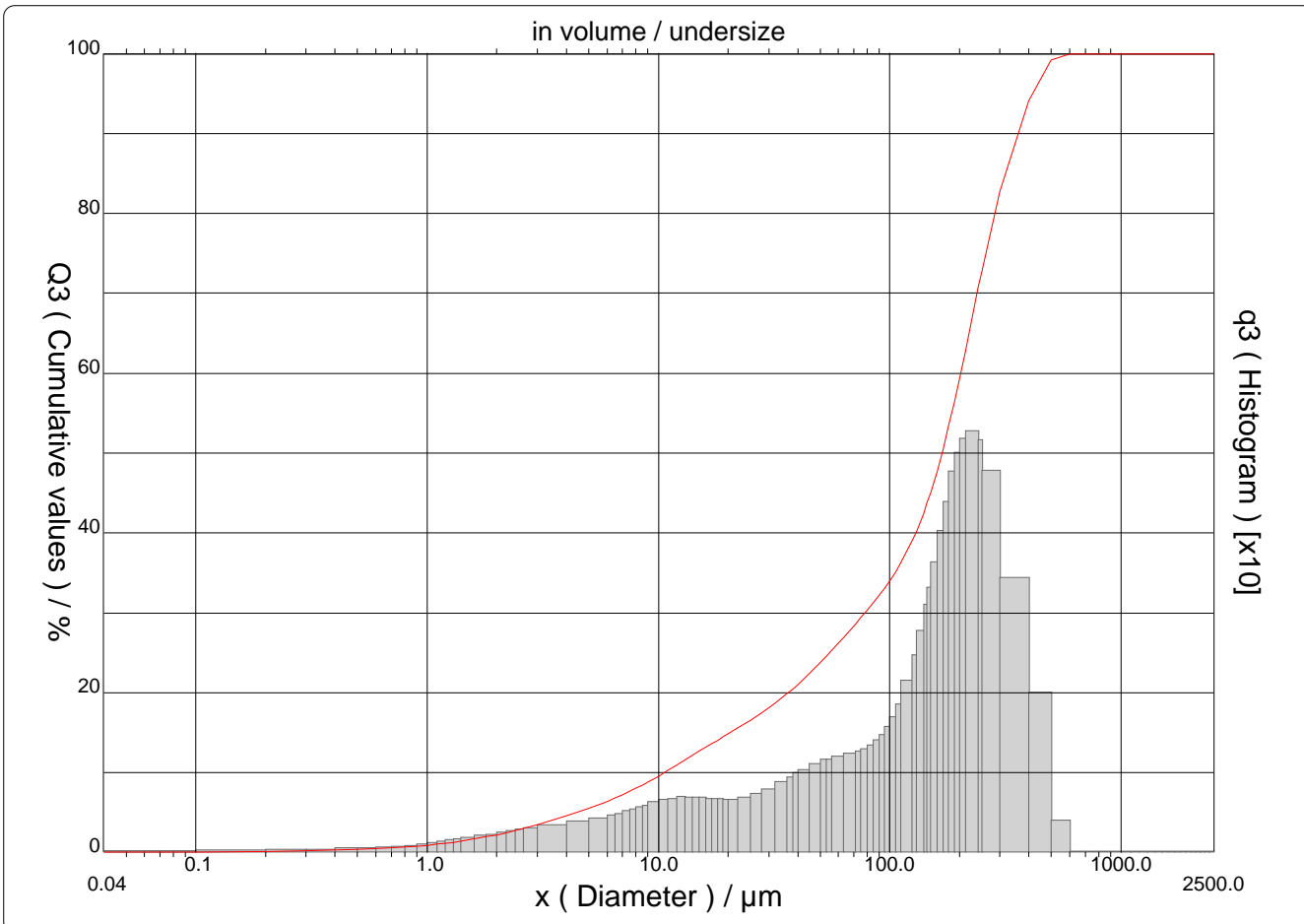
Customer defined classes

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	4.47	26.66	31.79	38.99	52.50	72.70	89.44	99.19	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



PARTICLE SIZE DISTRIBUTION

CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-06_78-80cm
 Sample Name :
 Sample type : Mixed
 Comments :
 Liquid : Water (eau)
 Dispersing agent :
 Operator : Olivia
 Company :
 Location :
 Date : 08/08/2023 Time : 04:08:46PM
 Index meas. : 3005
 Database name : Granulog

Ultrasounds : 15 s (+during)
 Obscuration : 14 %
 Diameter at 10% : 10.61 µm
 Diameter at 50% : 168.21 µm
 Diameter at 90% : 360.83 µm
 Mean diameter : 175.63 µm
 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	0.02	0.05	0.14	0.23	0.32	0.42	0.51	0.60	0.70
q3	0.00	0.00	0.01	0.01	0.02	0.03	0.04	0.04	0.05	0.07
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.80	0.91	1.03	1.16	1.29	1.42	1.69	1.96	2.22	2.48
q3	0.07	0.09	0.11	0.13	0.14	0.15	0.18	0.20	0.21	0.24
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	2.74	2.99	3.47	4.57	5.55	6.43	6.85	7.25	7.65	8.04
q3	0.26	0.27	0.29	0.33	0.38	0.42	0.46	0.47	0.50	0.52
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	8.43	8.81	9.56	10.27	10.93	11.56	12.14	12.68	13.18	13.64
q3	0.56	0.58	0.62	0.65	0.66	0.68	0.68	0.68	0.67	0.66
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	14.07	14.48	14.86	15.57	16.57	17.51	18.71	19.89	20.47	21.05
q3	0.65	0.66	0.64	0.65	0.68	0.72	0.78	0.87	0.93	0.98
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	22.44	23.77	24.54	25.27	26.88	28.57	29.36	30.31	31.24	32.16
q3	1.02	1.10	1.15	1.15	1.19	1.23	1.25	1.28	1.33	1.40
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	33.07	33.99	35.12	36.29	38.99	40.10	42.46	43.71	45.00	47.69
q3	1.46	1.56	1.68	1.85	2.13	2.46	2.77	3.09	3.30	3.62
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	50.49	53.37	56.33	59.28	62.75	70.77	72.70	82.71	94.07	99.19
q3	4.01	4.38	4.75	4.99	5.17	5.26	5.15	4.77	3.43	1.99
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	0.39	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

PARTICLE SIZE DISTRIBUTION

CILAS 1180 Liquid

Range : 0.04 μm - 2500.00 μm / 100 Classes

Sample ref. : CB-23-06_80-82cm
 Sample Name :
 Sample type : Mixed
 Comments :
 Liquid : Water (eau)
 Dispersing agent :
 Operator : Olivia
 Company :
 Location :
 Date : 08/08/2023 Time : 04:16:20PM
 Index meas. : 3006
 Database name : Granulog

Ultrasounds : 15 s (+during)
 Obscuration : 13 %
 Diameter at 10% : 8.83 μm
 Diameter at 50% : 157.37 μm
 Diameter at 90% : 357.70 μm
 Mean diameter : 167.89 μm
 Fraunhofer :
 Density/Factor : -----
 Specific surface : -----
 Automatic dilution : No / No
 Meas./Rins. : 60s/60s/4
 SOP name : Mixed

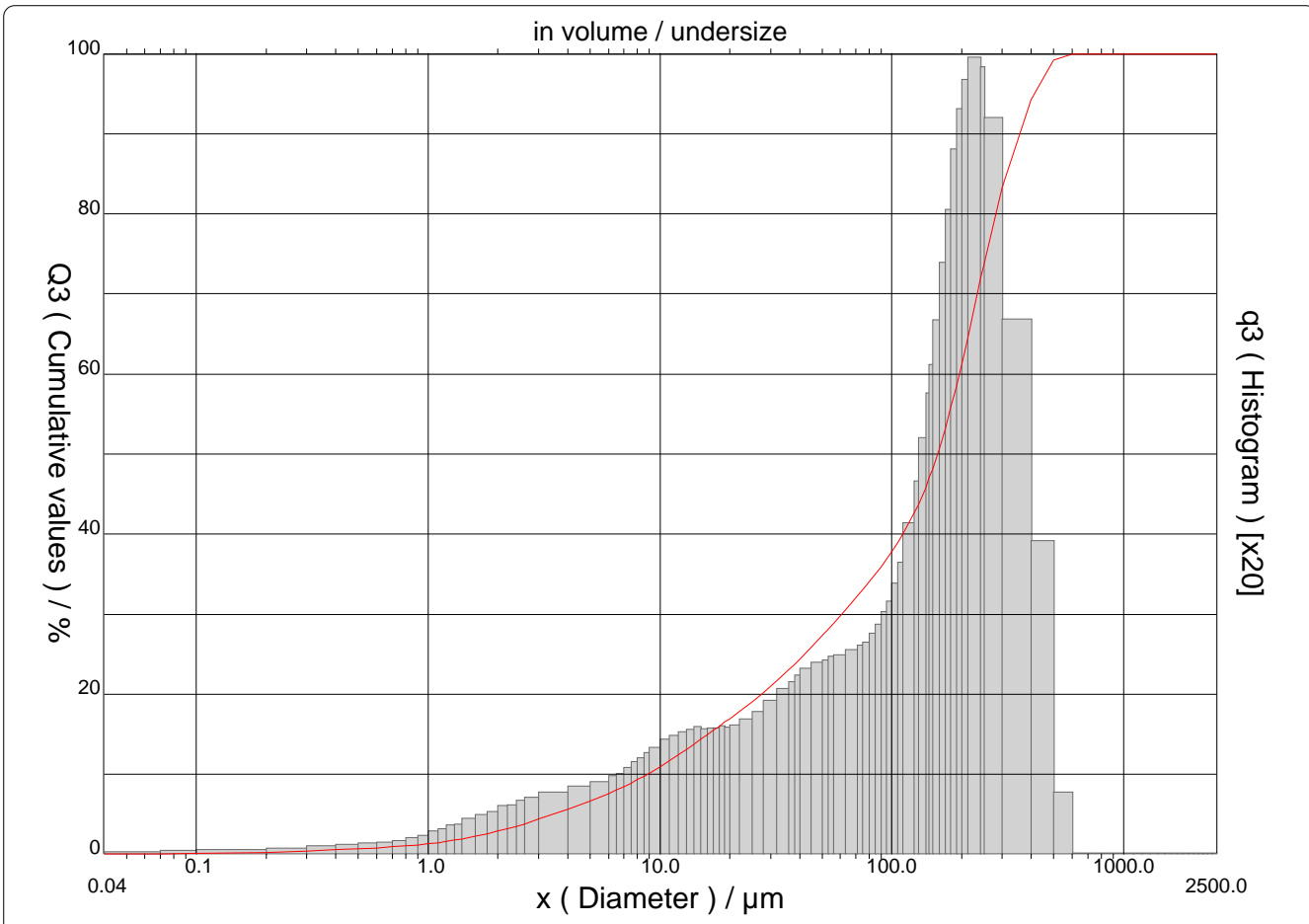
Customer defined classes

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	5.52	30.32	35.56	42.62	55.01	73.76	89.78	99.21	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



PARTICLE SIZE DISTRIBUTION

CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-06_80-82cm
 Sample Name :
 Sample type : Mixed
 Comments :
 Liquid : Water (eau)
 Dispersing agent :
 Operator : Olivia
 Company :
 Location :
 Date : 08/08/2023 Time : 04:16:20PM
 Index meas. : 3006
 Database name : Granulog

Ultrasounds : 15 s (+during)
 Obscuration : 13 %
 Diameter at 10% : 8.83 µm
 Diameter at 50% : 157.37 µm
 Diameter at 90% : 357.70 µm
 Mean diameter : 167.89 µm
 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	0.04	0.10	0.27	0.42	0.56	0.70	0.83	0.95	1.07
q3	0.00	0.01	0.01	0.02	0.03	0.04	0.06	0.06	0.07	0.08
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	1.20	1.33	1.48	1.63	1.79	1.94	2.27	2.59	2.90	3.22
q3	0.10	0.11	0.14	0.15	0.18	0.18	0.22	0.24	0.26	0.29
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	3.52	3.82	4.39	5.63	6.69	7.62	8.06	8.48	8.90	9.32
q3	0.30	0.33	0.35	0.38	0.42	0.45	0.48	0.50	0.53	0.57
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	9.73	10.14	10.93	11.70	12.43	13.12	13.77	14.39	14.96	15.50
q3	0.59	0.63	0.66	0.71	0.74	0.76	0.77	0.79	0.77	0.78
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	16.01	16.50	16.96	17.83	19.05	20.19	21.64	23.02	23.68	24.33
q3	0.78	0.79	0.79	0.80	0.84	0.88	0.95	1.03	1.07	1.11
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	25.88	27.31	28.11	28.88	30.54	32.27	33.08	34.05	35.00	35.93
q3	1.15	1.19	1.20	1.23	1.24	1.27	1.30	1.32	1.37	1.43
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	36.86	37.78	38.90	40.04	42.62	43.66	45.85	47.00	48.18	50.63
q3	1.51	1.57	1.69	1.82	2.06	2.33	2.59	2.87	3.05	3.33
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	53.18	55.80	58.51	61.23	64.44	71.94	73.76	83.31	94.25	99.21
q3	3.69	4.02	4.40	4.65	4.83	4.97	4.91	4.59	3.33	1.95
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	0.38	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

PARTICLE SIZE DISTRIBUTION

CILAS 1180 Liquid

Range : 0.04 μm - 2500.00 μm / 100 Classes

Sample ref. : CB-23-06_82-84cm
 Sample Name :
 Sample type : Mixed
 Comments :
 Liquid : Water (eau)
 Dispersing agent :
 Operator : Olivia
 Company :
 Location :
 Date : 08/08/2023 Time : 04:24:14PM
 Index meas. : 3007
 Database name : Granulog

Ultrasounds : 15 s (+during)
 Obscuration : 12 %
 Diameter at 10% : 11.46 μm
 Diameter at 50% : 152.46 μm
 Diameter at 90% : 333.17 μm
 Mean diameter : 162.55 μm
 Fraunhofer :
 Density/Factor : -----
 Specific surface : -----
 Automatic dilution : No / No
 Meas./Rins. : 60s/60s/4
 SOP name : Mixed

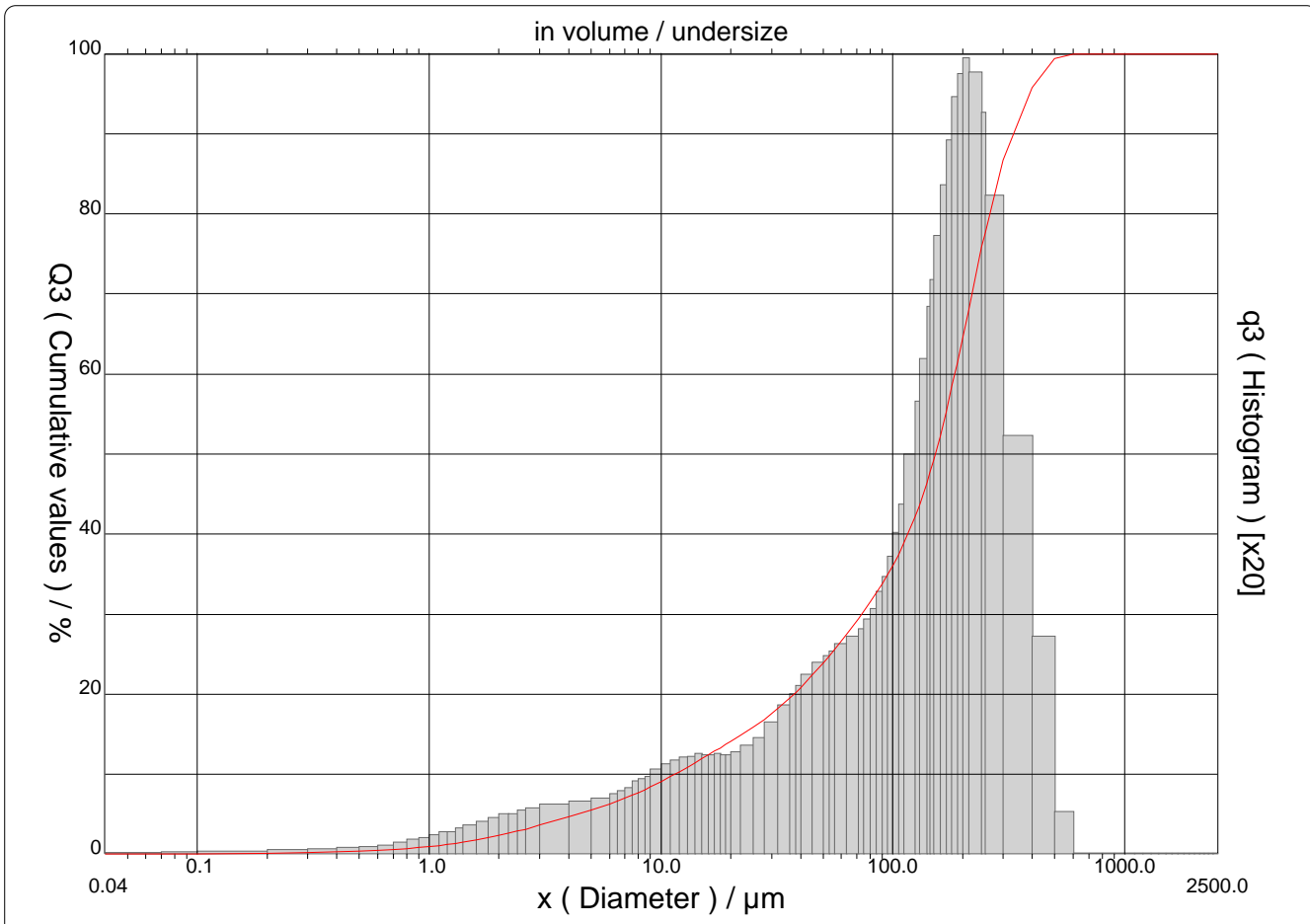
Customer defined classes

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	4.60	27.22	33.31	42.21	57.46	77.63	92.24	99.43	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



PARTICLE SIZE DISTRIBUTION

CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-06_82-84cm
 Sample Name :
 Sample type : Mixed
 Comments :
 Liquid : Water (eau)
 Dispersing agent :
 Operator : Olivia
 Company :
 Location :
 Date : 08/08/2023 Time : 04:24:14PM
 Index meas. : 3007
 Database name : Granulog

Ultrasounds : 15 s (+during)
 Obscuration : 12 %
 Diameter at 10% : 11.46 µm
 Diameter at 50% : 152.46 µm
 Diameter at 90% : 333.17 µm
 Mean diameter : 162.55 µm
 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	0.03	0.06	0.16	0.26	0.35	0.44	0.53	0.62	0.73
q3	0.00	0.00	0.01	0.01	0.02	0.03	0.03	0.04	0.05	0.07
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.85	0.97	1.10	1.24	1.37	1.51	1.79	2.07	2.35	2.63
q3	0.08	0.09	0.11	0.13	0.13	0.16	0.17	0.20	0.22	0.24
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	2.89	3.15	3.64	4.70	5.57	6.33	6.69	7.04	7.38	7.73
q3	0.25	0.27	0.28	0.30	0.32	0.34	0.37	0.39	0.41	0.45
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	8.07	8.40	9.07	9.71	10.32	10.90	11.44	11.96	12.44	12.89
q3	0.46	0.48	0.53	0.55	0.58	0.60	0.60	0.62	0.61	0.61
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	13.32	13.72	14.10	14.83	15.87	16.86	18.18	19.50	20.15	20.80
q3	0.62	0.61	0.61	0.63	0.67	0.72	0.82	0.93	0.99	1.05
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	22.39	23.91	24.78	25.62	27.48	29.44	30.37	31.51	32.63	33.76
q3	1.12	1.19	1.23	1.26	1.30	1.35	1.40	1.46	1.53	1.63
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	34.89	36.04	37.45	38.90	42.21	43.55	46.32	47.77	49.24	52.25
q3	1.73	1.85	2.00	2.18	2.49	2.82	3.09	3.41	3.58	3.85
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	55.31	58.39	61.48	64.50	68.00	75.81	77.63	86.69	95.77	99.43
q3	4.17	4.45	4.72	4.87	4.96	4.88	4.62	4.11	2.61	1.36
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	0.26	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

PARTICLE SIZE DISTRIBUTION

CILAS 1180 Liquid

Range : 0.04 μm - 2500.00 μm / 100 Classes

Sample ref. : CB-23-06_84-86cm
 Sample Name :
 Sample type : Mixed
 Comments :
 Liquid : Water (eau)
 Dispersing agent :
 Operator : Olivia
 Company :
 Location :
 Date : 08/08/2023 Time : 04:35:09PM
 Index meas. : 3008
 Database name : Granulog

Ultrasounds : 15 s (+during)
 Obscuration : 14 %
 Diameter at 10% : 9.70 μm
 Diameter at 50% : 158.98 μm
 Diameter at 90% : 351.93 μm
 Mean diameter : 167.56 μm
 Fraunhofer
 Density/Factor : -----
 Specific surface : -----
 Automatic dilution : No / No
 Meas./Rins. : 60s/60s/4
 SOP name : Mixed

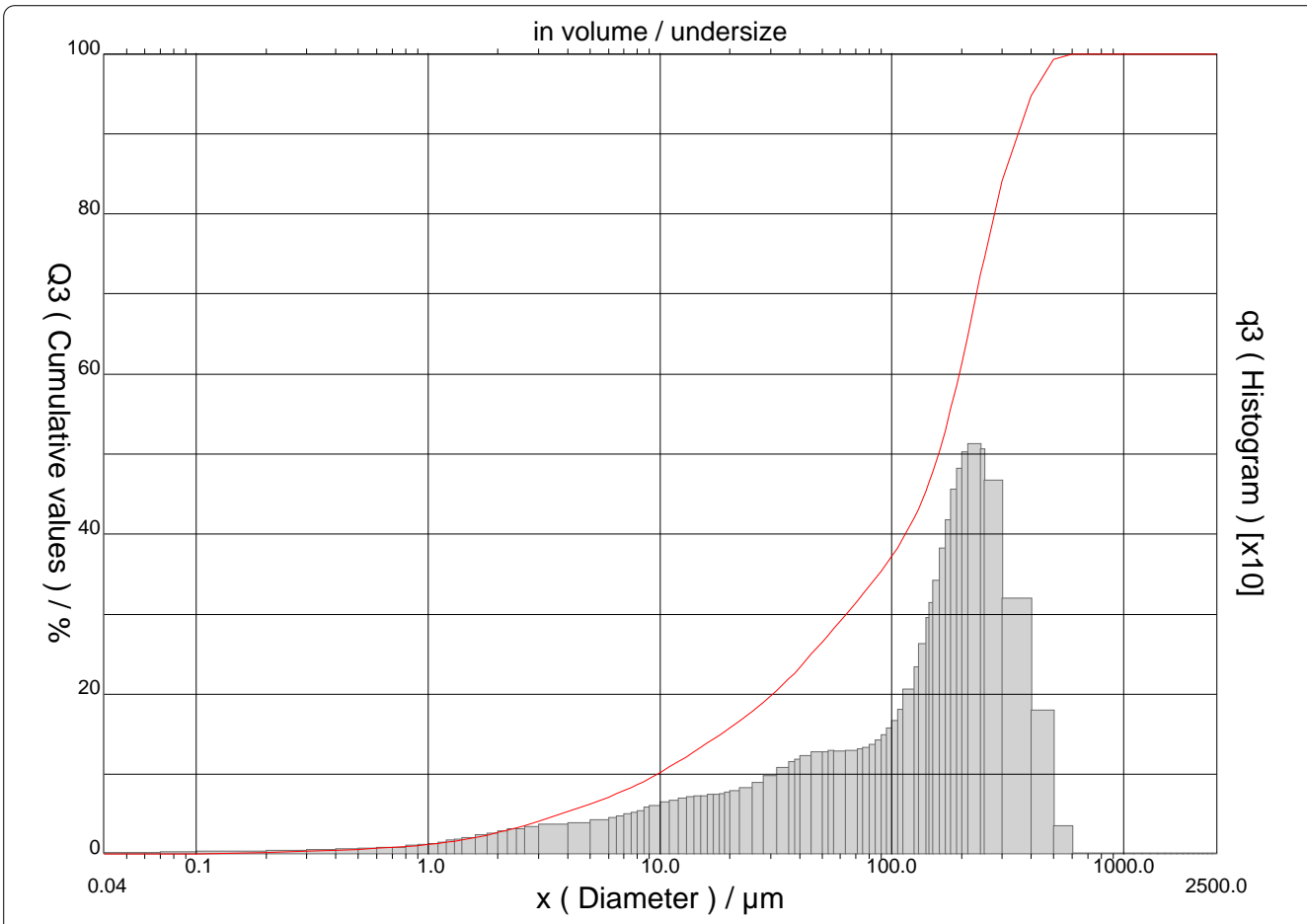
Customer defined classes

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	5.21	29.67	34.98	42.03	54.82	74.37	90.47	99.28	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



PARTICLE SIZE DISTRIBUTION

CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-06_84-86cm
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 Diameter at 10% : 9.70 µm
 Diameter at 50% : 158.98 µm
 Diameter at 90% : 351.93 µm
 Mean diameter : 167.56 µm
 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	0.04	0.09	0.24	0.38	0.51	0.63	0.75	0.87	0.98
q3	0.00	0.01	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.07
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	1.11	1.24	1.37	1.51	1.66	1.81	2.11	2.42	2.72	3.02
q3	0.10	0.11	0.12	0.14	0.16	0.18	0.19	0.23	0.25	0.27
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	3.32	3.60	4.14	5.32	6.30	7.17	7.58	7.97	8.36	8.74
q3	0.30	0.30	0.33	0.36	0.38	0.41	0.44	0.46	0.49	0.51
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	9.11	9.49	10.21	10.91	11.57	12.20	12.80	13.37	13.90	14.41
q3	0.53	0.58	0.59	0.64	0.66	0.68	0.70	0.72	0.71	0.73
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	14.89	15.35	15.80	16.65	17.85	19.00	20.48	21.93	22.64	23.33
q3	0.73	0.74	0.76	0.77	0.81	0.88	0.96	1.07	1.14	1.17
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	24.98	26.51	27.36	28.17	29.90	31.67	32.49	33.47	34.42	35.35
q3	1.22	1.26	1.27	1.28	1.27	1.29	1.30	1.32	1.36	1.41
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	36.27	37.19	38.30	39.44	42.03	43.08	45.31	46.50	47.72	50.25
q3	1.48	1.56	1.65	1.80	2.05	2.32	2.61	2.94	3.12	3.40
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	52.91	55.65	58.48	61.32	64.68	72.48	74.37	84.14	94.70	99.28
q3	3.81	4.16	4.54	4.81	5.00	5.12	5.04	4.65	3.19	1.78
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	0.34	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