

# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-01\_4-6cmA  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 09:45:28AM  
 Index meas. : 2890  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 80.80  $\mu\text{m}$   
 Diameter at 50% : 155.67  $\mu\text{m}$   
 Diameter at 90% : 245.38  $\mu\text{m}$   
 Mean diameter : 159.81  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

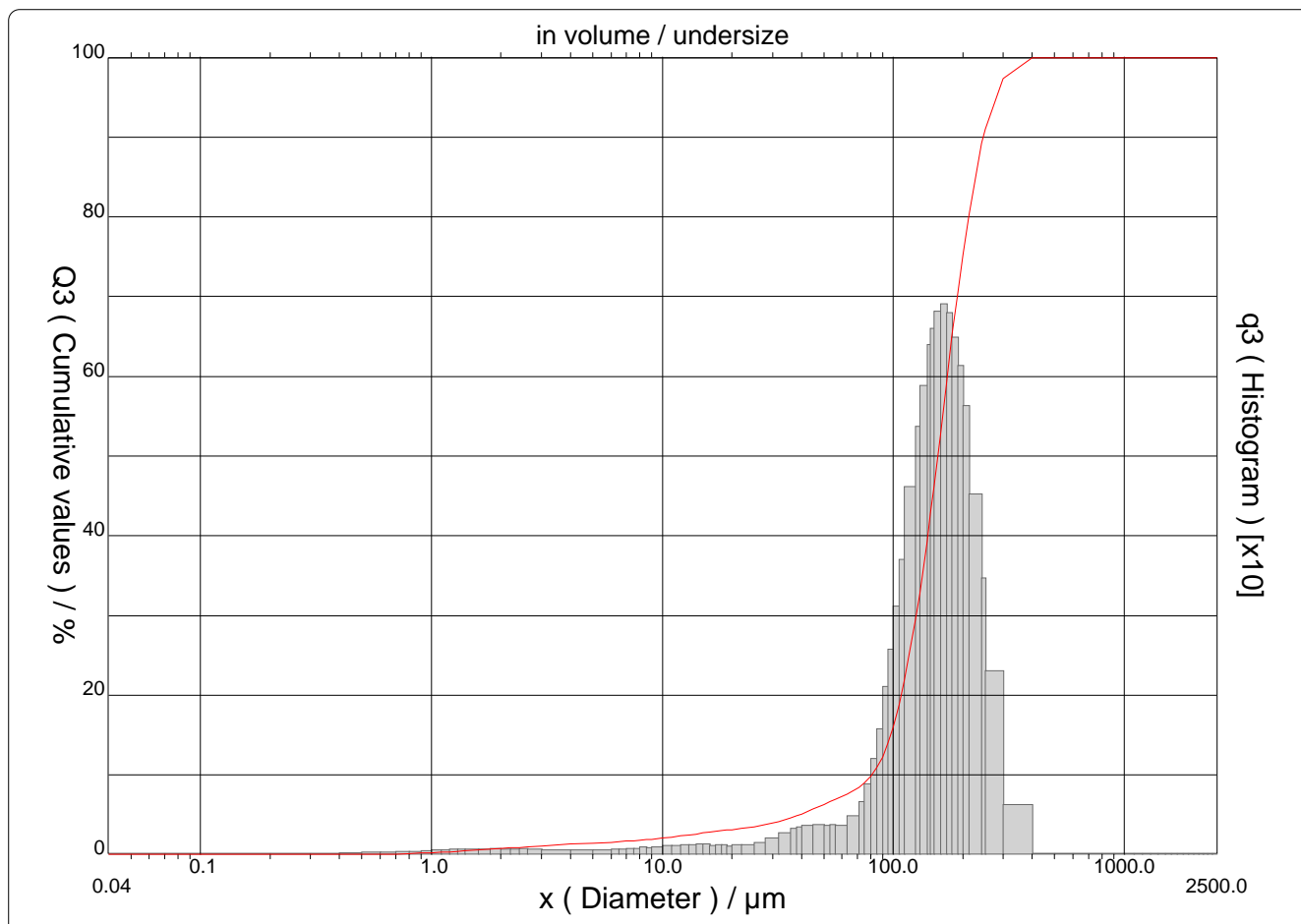
### Customer defined classes

### 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	1.29	7.47	11.70	29.53	63.39	90.98	99.41	100.00	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-01\_4-6cmA  
Sample Name :  
Sample type : Mixed  
Comments :  
Liquid : Water (eau)  
Dispersing agent :  
Operator : Olivia  
Company :  
Location :  
Date : 07/05/2023 Time : 09:45:28AM  
Index meas. : 2890  
Database name : Granulog

Ultrasounds : 15 s (+during)  
Obscuration : 14 %  
Diameter at 10% : 80.80 µm  
Diameter at 50% : 155.67 µm  
Diameter at 90% : 245.38 µm  
Mean diameter : 159.81 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	0.00	0.00	0.00	0.00	0.00	0.02	0.05	0.09	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	0.19	0.24	0.30	0.36	0.42	0.48	0.58	0.68	0.78	0.86
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	0.93	1.00	1.11	1.31	1.45	1.57	1.63	1.69	1.75	1.81
q3	0.05	0.06	0.05	0.05	0.04	0.04	0.05	0.05	0.06	0.06
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	1.88	1.94	2.07	2.21	2.34	2.47	2.59	2.71	2.82	2.91
q3	0.08	0.07	0.08	0.10	0.10	0.11	0.11	0.11	0.11	0.10
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	3.00	3.09	3.16	3.31	3.51	3.74	4.13	4.59	4.85	5.11
q3	0.10	0.11	0.09	0.10	0.10	0.13	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	5.74	6.32	6.63	6.93	7.56	8.42	8.96	9.82	10.92	12.28
q3	0.35	0.36	0.35	0.36	0.35	0.47	0.65	0.88	1.19	1.56
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	14.00	16.00	18.75	21.84	29.53	32.73	39.35	42.76	46.16	52.84
q3	2.09	2.56	3.10	3.69	4.60	5.36	5.87	6.38	6.59	6.80
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	59.20	65.10	70.43	75.21	80.19	89.27	90.98	97.32	100.00	100.00
q3	6.89	6.78	6.47	6.12	5.61	4.51	3.45	2.28	0.61	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

# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 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  $\mu\text{m}$   
 Diameter at 50% : 153.66  $\mu\text{m}$   
 Diameter at 90% : 243.25  $\mu\text{m}$   
 Mean diameter : 157.75  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

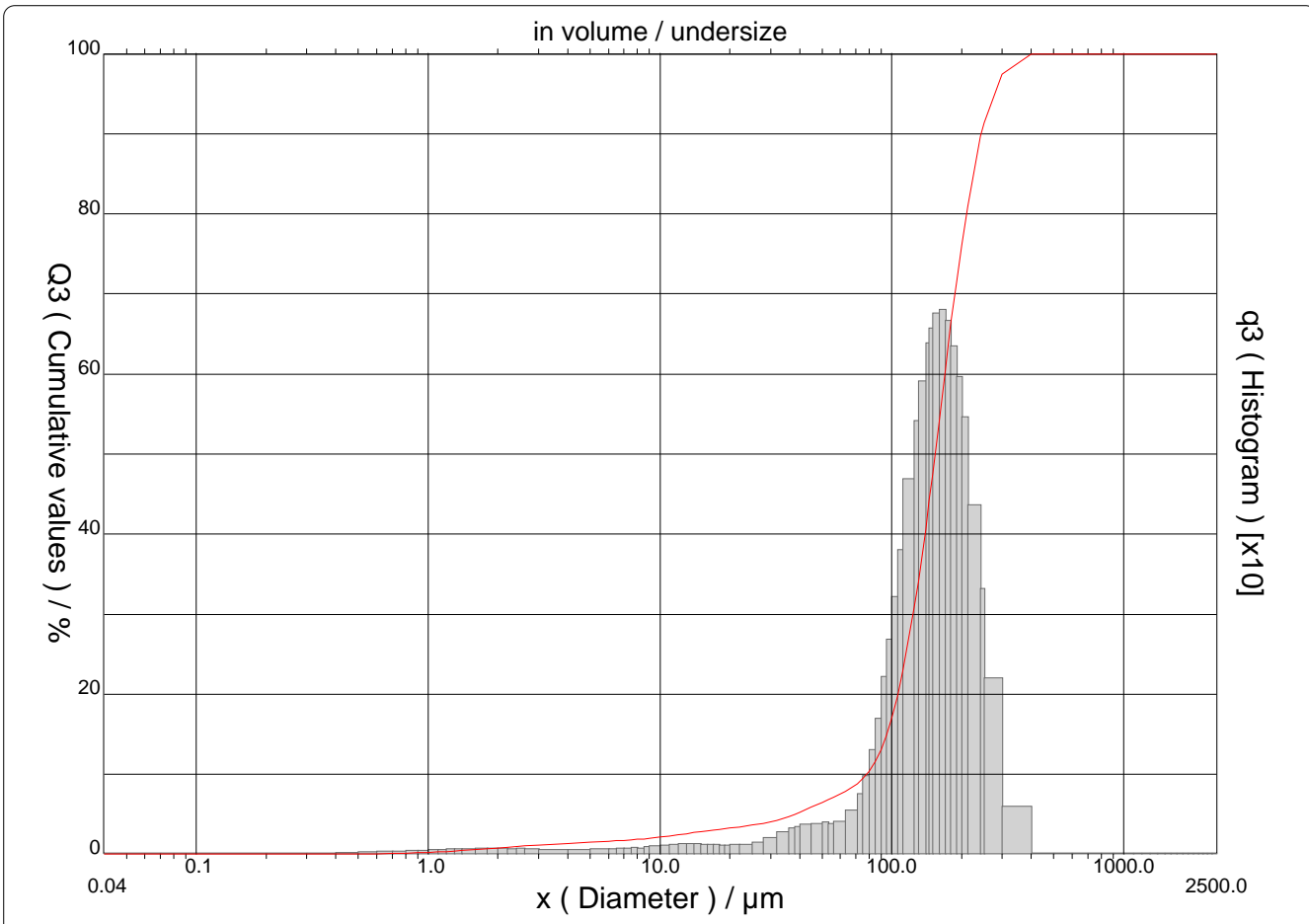
### Customer defined classes

### 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 /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-01\_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

### 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

# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-01\_4-6cmC  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 10:04:05AM  
 Index meas. : 2892  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 13 %  
 Diameter at 10% : 53.39  $\mu\text{m}$   
 Diameter at 50% : 147.45  $\mu\text{m}$   
 Diameter at 90% : 242.00  $\mu\text{m}$   
 Mean diameter : 150.42  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

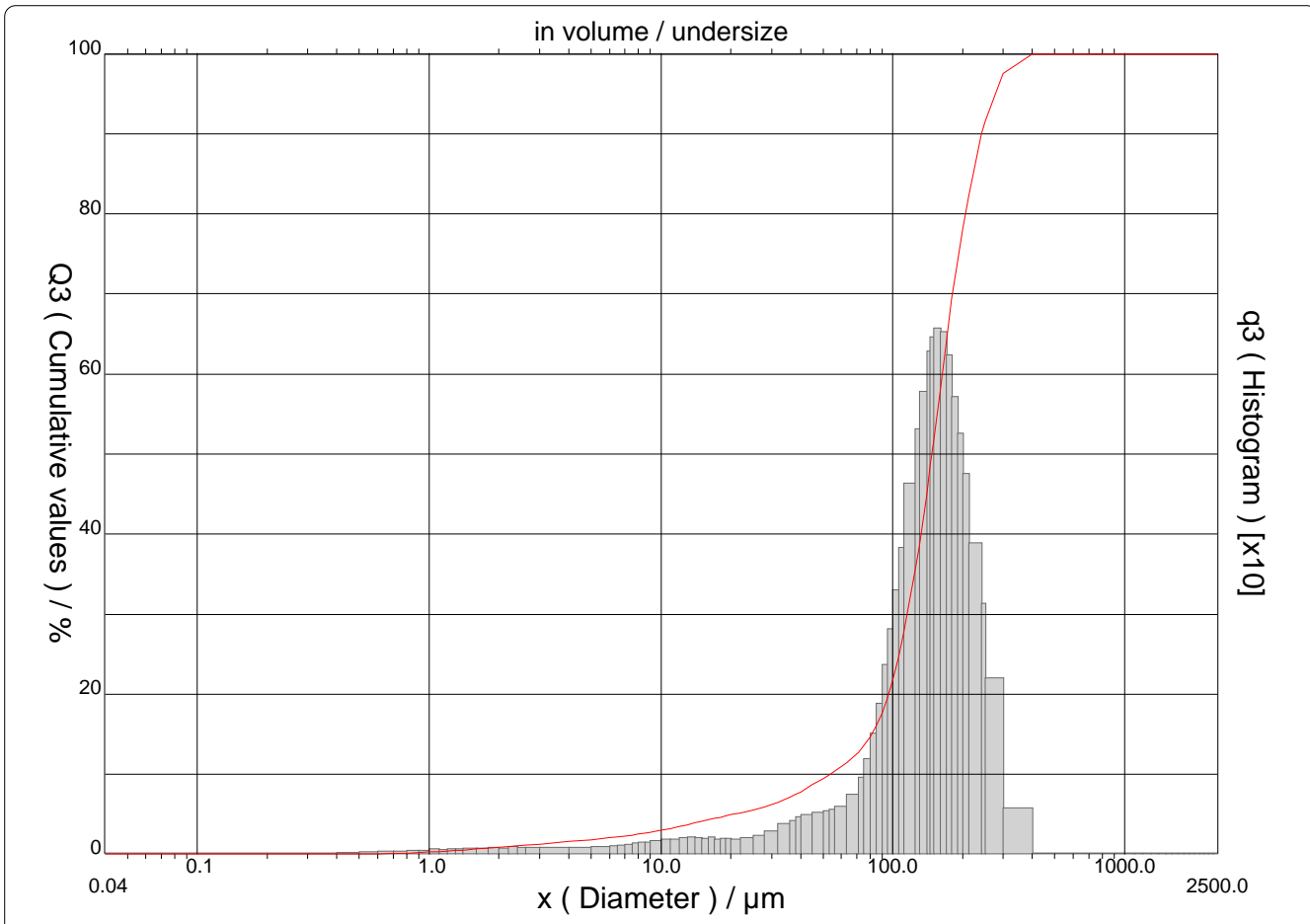
### Customer defined classes

### 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	1.57	11.27	16.97	35.46	67.85	91.53	99.50	100.00	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-01\_4-6cmC  
Sample Name :  
Sample type : Mixed  
Comments :  
Liquid : Water (eau)  
Dispersing agent :  
Operator : Olivia  
Company :  
Location :  
Date : 07/05/2023 Time : 10:04:05AM  
Index meas. : 2892  
Database name : Granulog

Ultrasounds : 15 s (+during)  
Obscuration : 13 %  
Diameter at 10% : 53.39 µm  
Diameter at 50% : 147.45 µm  
Diameter at 90% : 242.00 µm  
Mean diameter : 150.42 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	0.00	0.00	0.00	0.00	0.00	0.03	0.07	0.12	0.17
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	0.23	0.28	0.35	0.41	0.47	0.53	0.66	0.77	0.88	0.97
q3	0.03	0.03	0.05	0.05	0.05	0.05	0.06	0.06	0.07	0.06
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.07	1.15	1.30	1.60	1.85	2.08	2.19	2.30	2.41	2.53
q3	0.08	0.07	0.07	0.07	0.07	0.08	0.09	0.10	0.11	0.12
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	2.65	2.77	3.01	3.26	3.49	3.72	3.94	4.14	4.32	4.50
q3	0.13	0.14	0.15	0.17	0.18	0.19	0.20	0.19	0.18	0.20
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	4.65	4.80	4.94	5.19	5.56	5.93	6.49	7.14	7.47	7.82
q3	0.17	0.18	0.18	0.17	0.19	0.22	0.28	0.37	0.40	0.45
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	8.67	9.48	9.94	10.39	11.42	12.74	13.52	14.67	16.04	17.65
q3	0.48	0.51	0.52	0.54	0.58	0.73	0.94	1.18	1.50	1.87
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	19.57	21.74	24.63	27.80	35.46	38.60	45.05	48.37	51.67	58.06
q3	2.35	2.80	3.28	3.81	4.62	5.30	5.76	6.27	6.45	6.56
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	64.02	69.39	74.04	78.10	82.27	90.00	91.53	97.55	100.00	100.00
q3	6.51	6.22	5.70	5.24	4.74	3.87	3.12	2.19	0.56	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

# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-01\_0-2cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 10:17:06AM  
 Index meas. : 2893  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 16 %  
 Diameter at 10% : 34.90  $\mu\text{m}$   
 Diameter at 50% : 135.68  $\mu\text{m}$   
 Diameter at 90% : 232.33  $\mu\text{m}$   
 Mean diameter : 137.40  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

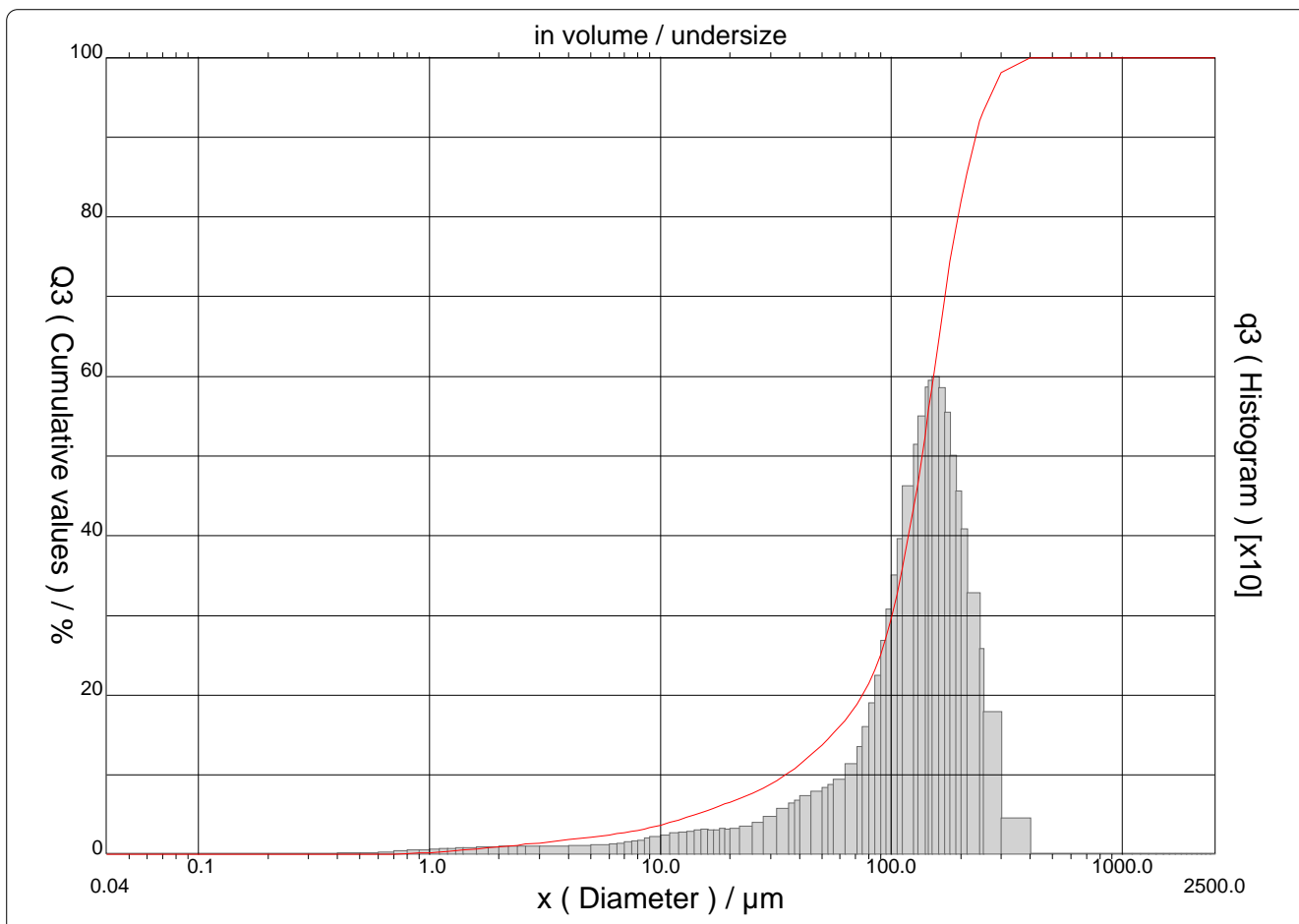
### Customer defined classes

### 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	1.84	16.62	24.32	43.48	73.10	93.24	99.62	100.00	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-01\_0-2cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 10:17:06AM  
 Index meas. : 2893  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 16 %  
 Diameter at 10% : 34.90 µm  
 Diameter at 50% : 135.68 µm  
 Diameter at 90% : 232.33 µm  
 Mean diameter : 137.40 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	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.07	0.13
q3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.20	0.27	0.34	0.42	0.49	0.57	0.71	0.85	0.97	1.09
q3	0.04	0.04	0.05	0.06	0.06	0.07	0.07	0.08	0.08	0.08
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.20	1.31	1.49	1.87	2.19	2.48	2.62	2.76	2.91	3.06
q3	0.08	0.09	0.08	0.09	0.10	0.11	0.12	0.13	0.15	0.16
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	3.21	3.37	3.70	4.03	4.36	4.68	4.99	5.29	5.58	5.85
q3	0.17	0.19	0.21	0.23	0.25	0.27	0.28	0.29	0.30	0.30
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	6.10	6.35	6.58	7.03	7.68	8.34	9.27	10.26	10.77	11.28
q3	0.29	0.31	0.30	0.32	0.34	0.39	0.47	0.56	0.63	0.66
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	12.56	13.79	14.51	15.22	16.85	18.86	19.96	21.49	23.20	25.11
q3	0.73	0.78	0.83	0.86	0.92	1.12	1.34	1.58	1.89	2.23
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	27.27	29.62	32.66	35.91	43.48	46.49	52.57	55.64	58.65	64.42
q3	2.67	3.06	3.49	3.94	4.61	5.13	5.48	5.85	5.93	5.98
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	69.72	74.45	78.49	81.98	85.53	91.99	93.24	98.09	100.00	100.00
q3	5.84	5.53	4.99	4.55	4.07	3.26	2.57	1.78	0.44	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



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-01\_2-4cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 10:25:22AM  
 Index meas. : 2894  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 52.48  $\mu\text{m}$   
 Diameter at 50% : 144.14  $\mu\text{m}$   
 Diameter at 90% : 238.42  $\mu\text{m}$   
 Mean diameter : 147.29  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

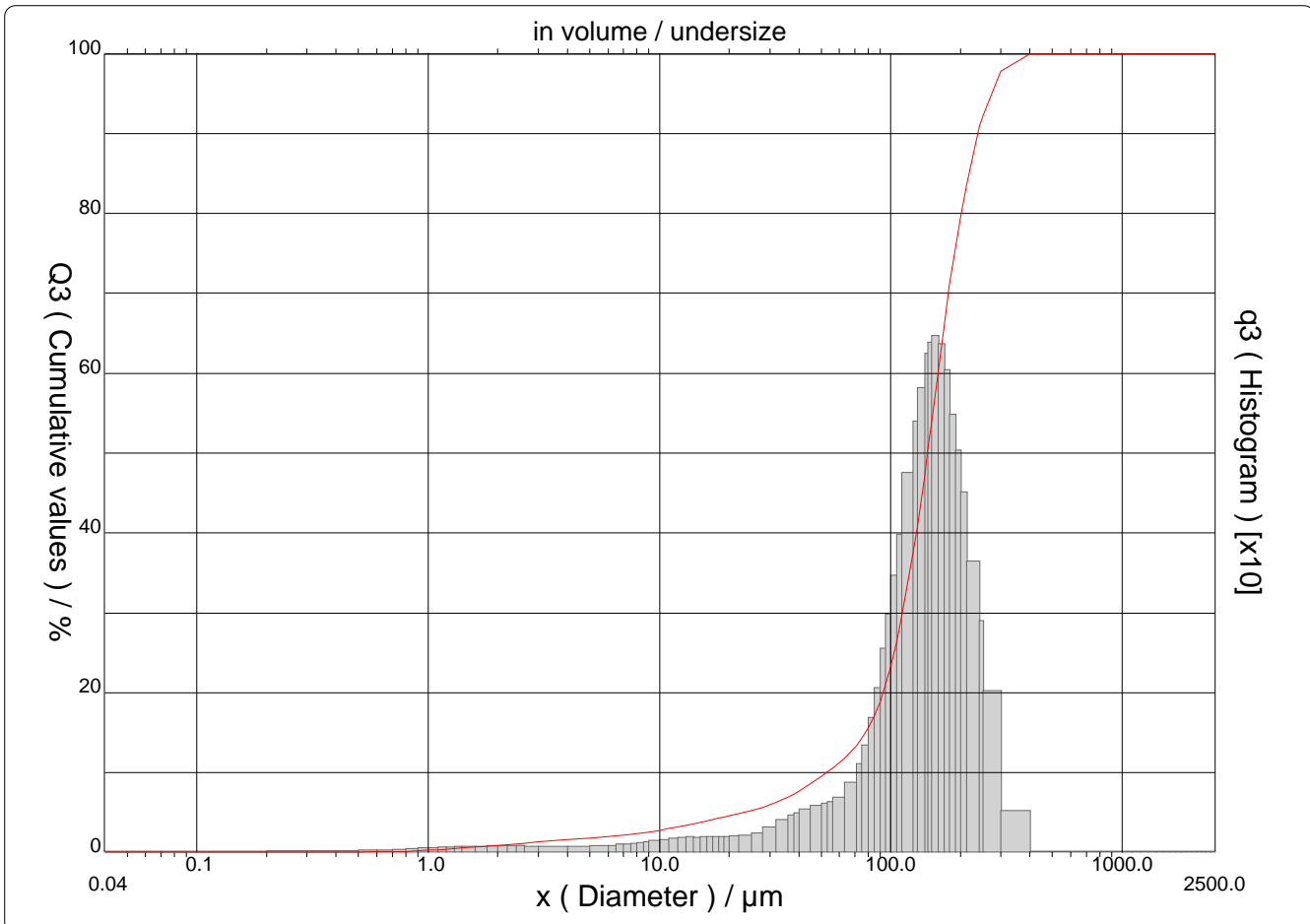
### Customer defined classes

### 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	1.57	11.64	18.16	37.54	69.70	92.24	99.56	100.00	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-01\_2-4cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 10:25:22AM  
 Index meas. : 2894  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 52.48 µm  
 Diameter at 50% : 144.14 µm  
 Diameter at 90% : 238.42 µm  
 Mean diameter : 147.29 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	0.00	0.00	0.00	0.03	0.06	0.07	0.10	0.13	0.18
q3	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.01	0.02
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.24	0.31	0.37	0.44	0.50	0.57	0.69	0.80	0.91	1.01
q3	0.03	0.04	0.04	0.05	0.05	0.06	0.06	0.06	0.07	0.07
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.10	1.18	1.32	1.59	1.80	1.99	2.08	2.18	2.27	2.37
q3	0.07	0.07	0.06	0.06	0.06	0.07	0.07	0.09	0.09	0.10
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	2.47	2.57	2.78	2.99	3.21	3.42	3.62	3.80	3.98	4.15
q3	0.11	0.12	0.13	0.15	0.17	0.17	0.18	0.17	0.18	0.19
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	4.31	4.46	4.60	4.87	5.26	5.66	6.27	6.97	7.34	7.71
q3	0.18	0.18	0.18	0.19	0.20	0.23	0.30	0.39	0.45	0.48
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	8.65	9.56	10.09	10.61	11.82	13.38	14.29	15.59	17.13	18.90
q3	0.53	0.57	0.60	0.62	0.68	0.86	1.10	1.33	1.68	2.04
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	20.98	23.29	26.34	29.65	37.54	40.74	47.25	50.56	53.83	60.14
q3	2.54	2.97	3.45	3.97	4.74	5.39	5.80	6.23	6.37	6.45
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	65.97	71.19	75.67	79.57	83.54	90.82	92.24	97.79	100.00	100.00
q3	6.35	6.03	5.47	5.02	4.50	3.63	2.88	2.01	0.51	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

# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-01\_6-8cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 10:34:04AM  
 Index meas. : 2895  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 51.57  $\mu\text{m}$   
 Diameter at 50% : 146.95  $\mu\text{m}$   
 Diameter at 90% : 241.25  $\mu\text{m}$   
 Mean diameter : 149.65  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

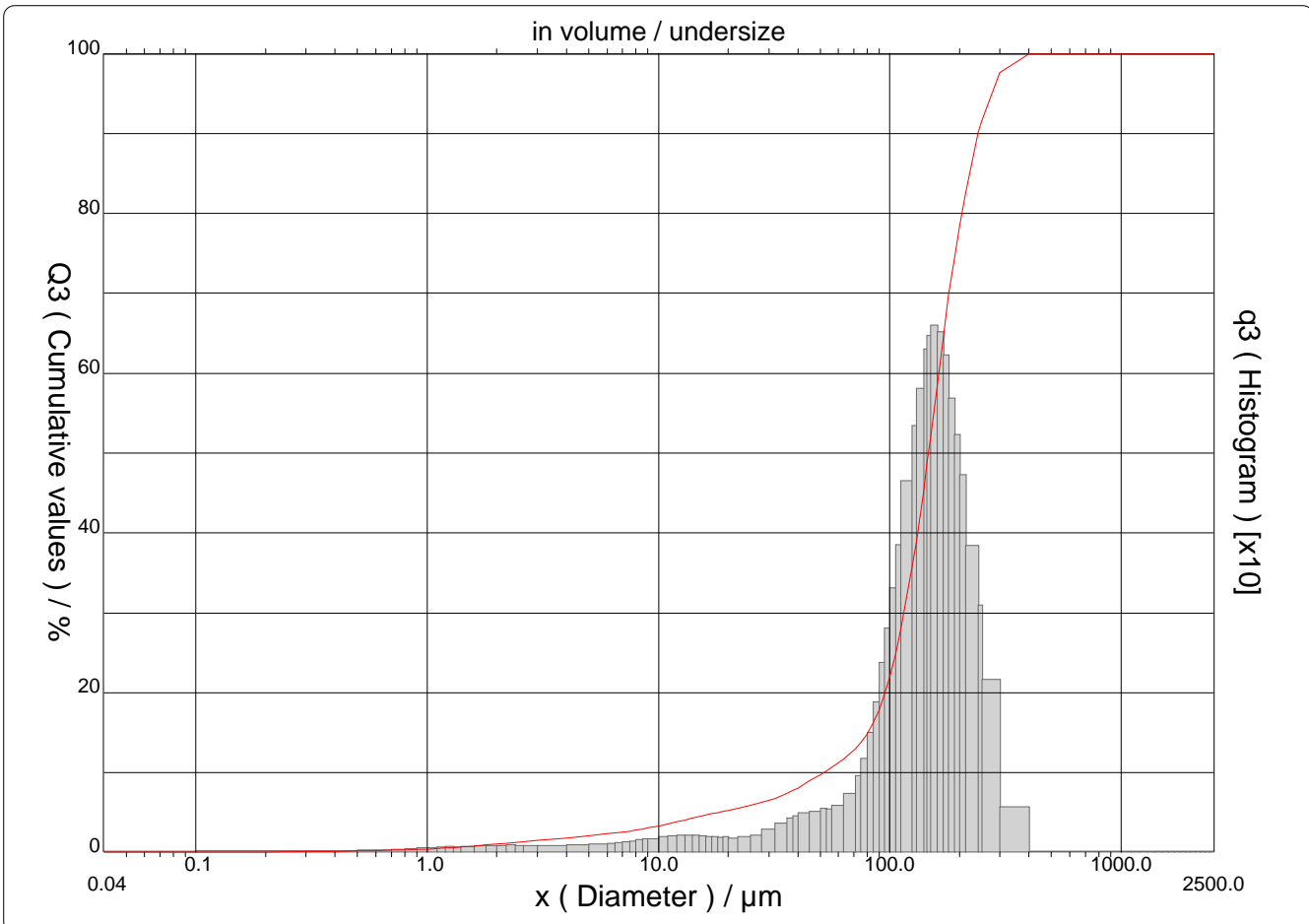
### Customer defined classes

### 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	1.79	11.53	17.19	35.74	68.19	91.69	99.52	100.00	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-01\_6-8cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 10:34:04AM  
 Index meas. : 2895  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 51.57 µm  
 Diameter at 50% : 146.95 µm  
 Diameter at 90% : 241.25 µm  
 Mean diameter : 149.65 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	0.00	0.00	0.09	0.14	0.17	0.20	0.24	0.28	0.33
q3	0.00	0.00	0.00	0.01	0.01	0.01	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	0.39	0.45	0.51	0.58	0.65	0.71	0.83	0.95	1.06	1.16
q3	0.03	0.04	0.04	0.05	0.06	0.05	0.06	0.07	0.07	0.07
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.26	1.34	1.50	1.82	2.09	2.34	2.46	2.58	2.70	2.82
q3	0.08	0.07	0.07	0.07	0.08	0.09	0.10	0.11	0.12	0.12
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	2.95	3.08	3.33	3.59	3.84	4.08	4.30	4.51	4.70	4.87
q3	0.14	0.15	0.16	0.18	0.19	0.20	0.20	0.20	0.20	0.19
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	5.03	5.17	5.31	5.55	5.90	6.25	6.80	7.42	7.76	8.10
q3	0.19	0.17	0.18	0.17	0.18	0.20	0.27	0.35	0.42	0.44
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	8.95	9.75	10.22	10.66	11.68	12.99	13.77	14.90	16.26	17.87
q3	0.48	0.50	0.53	0.53	0.57	0.73	0.94	1.16	1.49	1.87
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	19.80	21.96	24.86	28.05	35.74	38.89	45.37	48.70	52.00	58.41
q3	2.37	2.79	3.30	3.84	4.64	5.32	5.79	6.29	6.45	6.58
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	64.36	69.72	74.35	78.39	82.53	90.18	91.69	97.60	100.00	100.00
q3	6.50	6.21	5.67	5.22	4.71	3.83	3.08	2.15	0.55	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

# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-01\_8-10cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 10:44:59AM  
 Index meas. : 2896  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 37.34  $\mu\text{m}$   
 Diameter at 50% : 142.19  $\mu\text{m}$   
 Diameter at 90% : 239.09  $\mu\text{m}$   
 Mean diameter : 143.52  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

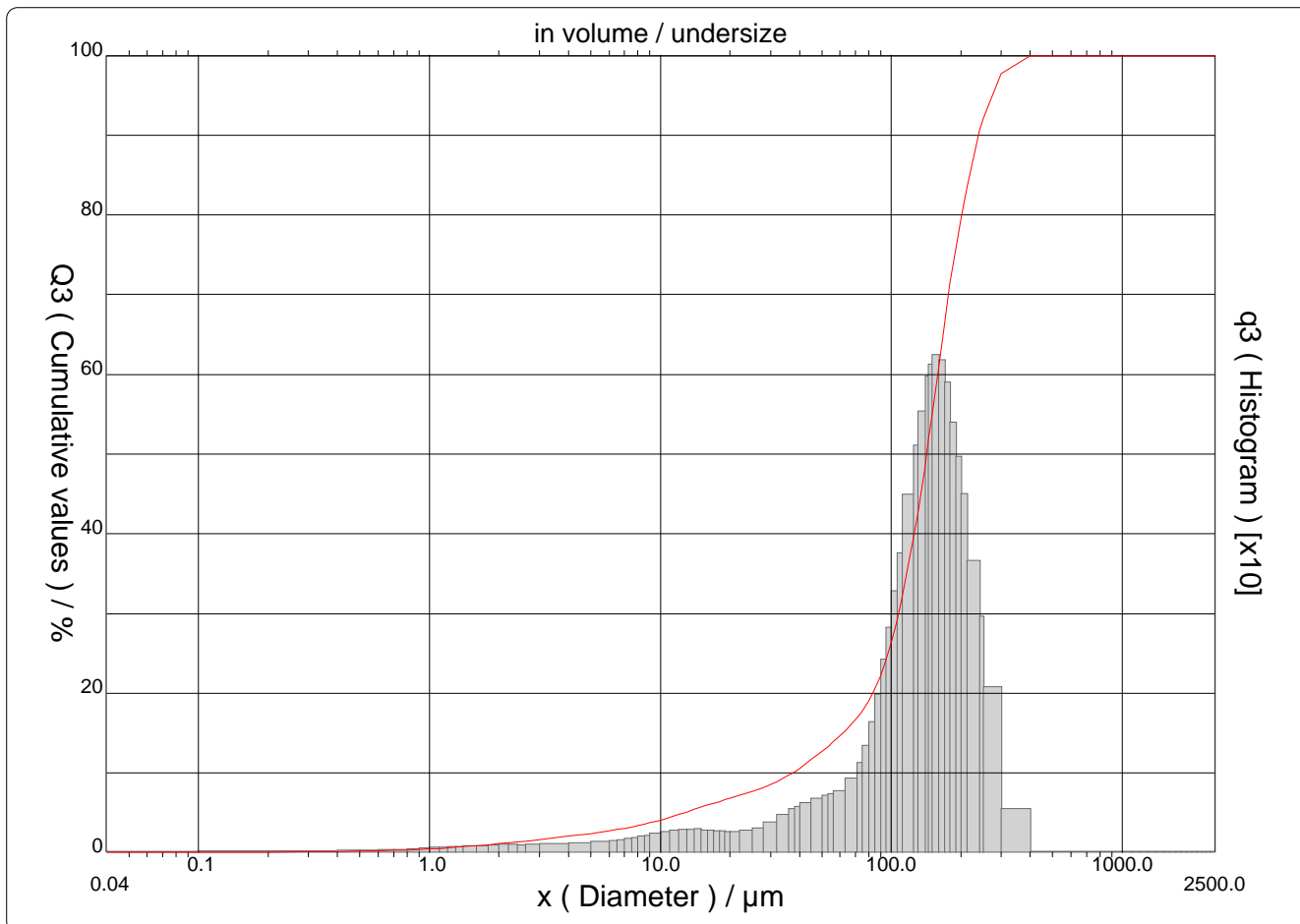
### Customer defined classes

### 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	2.03	15.04	21.51	39.54	69.98	92.09	99.53	100.00	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-01\_8-10cm  
Sample Name :  
Sample type : Mixed  
Comments :  
Liquid : Water (eau)  
Dispersing agent :  
Operator : Olivia  
Company :  
Location :  
Date : 07/05/2023 Time : 10:44:59AM  
Index meas. : 2896  
Database name : Granulog

Ultrasounds : 15 s (+during)  
Obscuration : 14 %  
Diameter at 10% : 37.34 µm  
Diameter at 50% : 142.19 µm  
Diameter at 90% : 239.09 µm  
Mean diameter : 143.52 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	0.00	0.00	0.00	0.09	0.14	0.17	0.21	0.25	0.30	0.35
q3	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.02	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.41	0.48	0.55	0.62	0.69	0.76	0.89	1.02	1.14	1.26
q3	0.03	0.04	0.05	0.05	0.06	0.06	0.07	0.07	0.08	0.08
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.37	1.47	1.66	2.06	2.41	2.74	2.90	3.06	3.23	3.40
q3	0.08	0.08	0.09	0.09	0.11	0.12	0.13	0.14	0.17	0.18
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	3.57	3.74	4.10	4.45	4.79	5.12	5.42	5.71	5.97	6.21
q3	0.19	0.20	0.23	0.25	0.26	0.28	0.27	0.28	0.27	0.27
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	6.43	6.64	6.83	7.18	7.68	8.17	8.90	9.71	10.14	10.57
q3	0.26	0.26	0.25	0.25	0.26	0.29	0.37	0.46	0.53	0.56
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	11.65	12.69	13.30	13.89	15.23	16.87	17.78	19.06	20.53	22.21
q3	0.61	0.66	0.70	0.72	0.76	0.92	1.11	1.33	1.63	1.97
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	24.15	26.30	29.14	32.21	39.54	42.52	48.62	51.74	54.83	60.83
q3	2.41	2.81	3.27	3.74	4.48	5.10	5.52	5.96	6.11	6.23
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	66.40	71.42	75.76	79.55	83.45	90.66	92.09	97.71	100.00	100.00
q3	6.16	5.89	5.38	4.95	4.49	3.65	2.95	2.07	0.53	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

# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-01\_10-12cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 10:53:06AM  
 Index meas. : 2897  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 46.10  $\mu\text{m}$   
 Diameter at 50% : 146.90  $\mu\text{m}$   
 Diameter at 90% : 242.82  $\mu\text{m}$   
 Mean diameter : 149.06  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

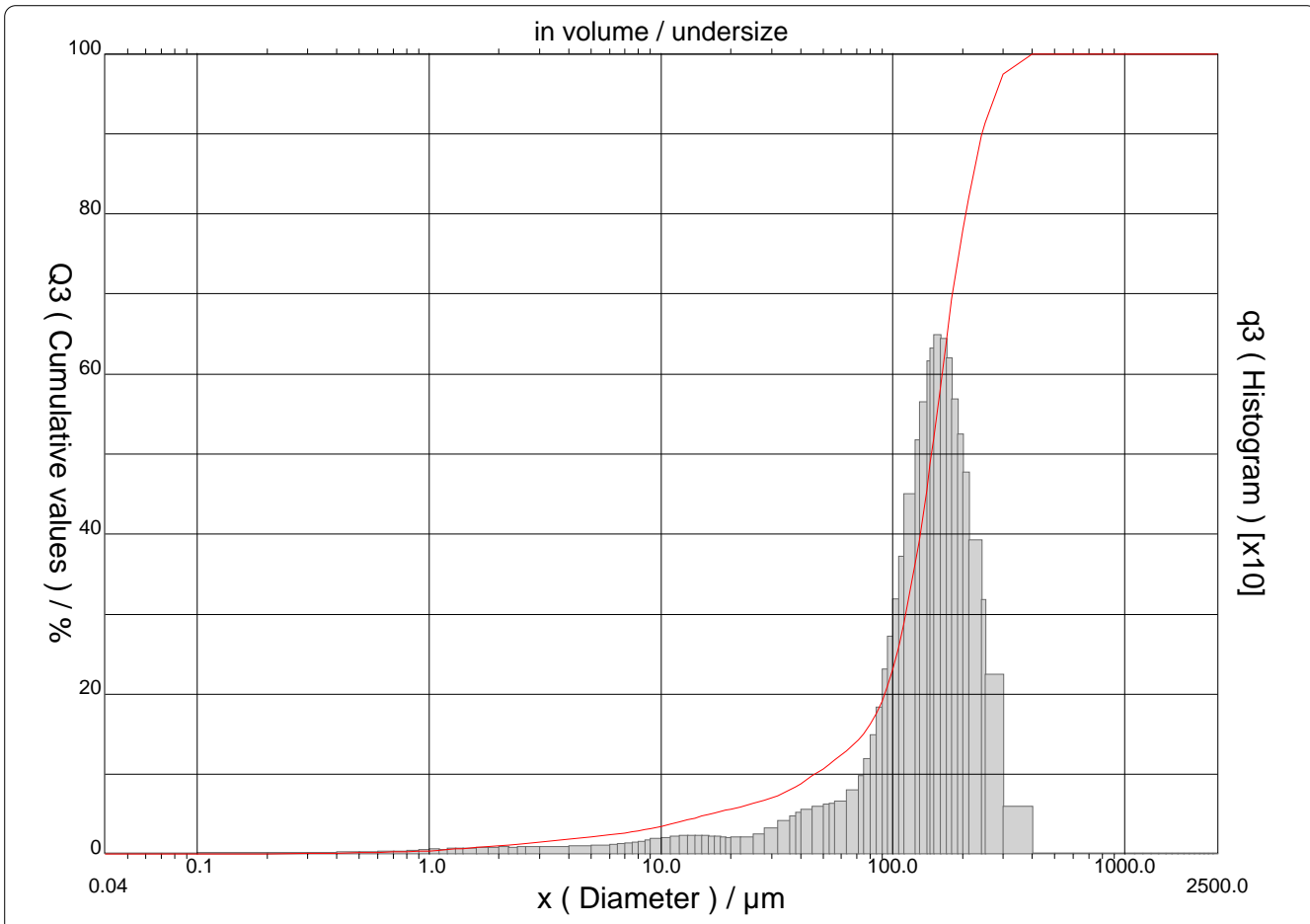
### Customer defined classes

### 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	1.86	12.73	18.48	36.26	67.82	91.38	99.49	100.00	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-01\_10-12cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 10:53:06AM  
 Index meas. : 2897  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 46.10  $\mu\text{m}$   
 Diameter at 50% : 146.90  $\mu\text{m}$   
 Diameter at 90% : 242.82  $\mu\text{m}$   
 Mean diameter : 149.06  $\mu\text{m}$   
 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	0.09	0.14	0.17	0.21	0.24	0.29	0.34
q3	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.02	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.40	0.46	0.53	0.59	0.66	0.73	0.86	0.98	1.09	1.20
q3	0.03	0.04	0.05	0.05	0.06	0.06	0.07	0.07	0.07	0.08
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.29	1.39	1.55	1.89	2.18	2.44	2.57	2.70	2.83	2.96
q3	0.07	0.08	0.07	0.08	0.09	0.10	0.11	0.12	0.13	0.13
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	3.09	3.23	3.51	3.78	4.05	4.31	4.55	4.78	4.99	5.18
q3	0.14	0.16	0.18	0.19	0.21	0.22	0.22	0.22	0.22	0.21
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	5.36	5.52	5.67	5.95	6.34	6.74	7.36	8.07	8.44	8.83
q3	0.21	0.20	0.20	0.20	0.20	0.24	0.31	0.40	0.46	0.51
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	9.79	10.71	11.24	11.75	12.89	14.30	15.09	16.23	17.57	19.13
q3	0.54	0.58	0.61	0.62	0.65	0.79	0.96	1.18	1.48	1.82
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	20.99	23.07	25.84	28.89	36.26	39.29	45.54	48.77	51.97	58.22
q3	2.30	2.71	3.18	3.70	4.48	5.16	5.63	6.15	6.31	6.47
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	64.05	69.34	73.93	77.95	82.10	89.84	91.38	97.48	100.00	100.00
q3	6.42	6.18	5.67	5.24	4.76	3.91	3.16	2.24	0.59	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 /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-01\_12-14cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 11:03:52AM  
 Index meas. : 2898  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 16 %  
 Diameter at 10% : 44.45  $\mu\text{m}$   
 Diameter at 50% : 149.34  $\mu\text{m}$   
 Diameter at 90% : 242.59  $\mu\text{m}$   
 Mean diameter : 150.48  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

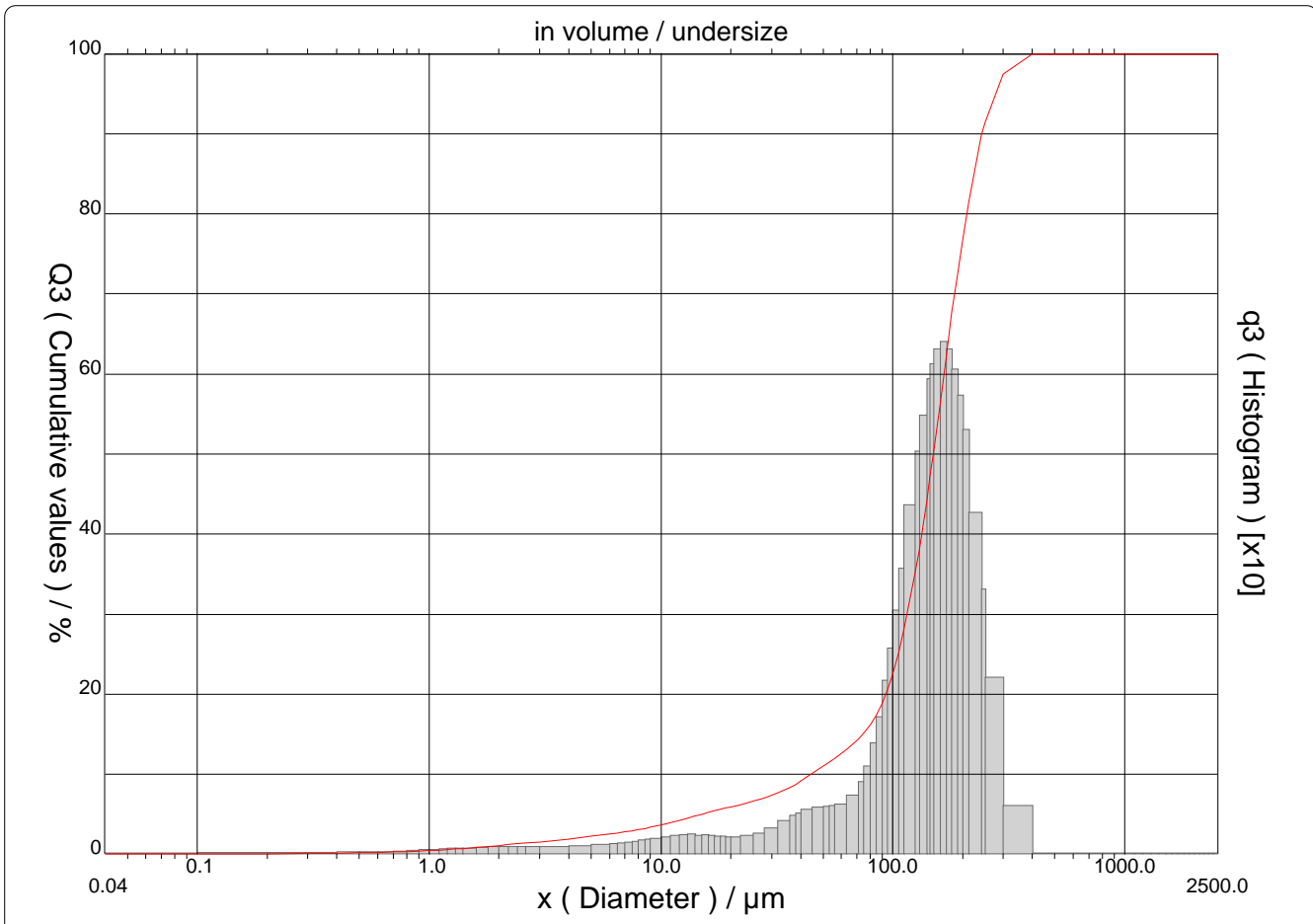
### Customer defined classes

### 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	1.90	12.92	18.23	35.22	66.05	91.48	99.43	100.00	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-01\_12-14cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 11:03:52AM  
 Index meas. : 2898  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 16 %  
 Diameter at 10% : 44.45 µm  
 Diameter at 50% : 149.34 µm  
 Diameter at 90% : 242.59 µm  
 Mean diameter : 150.48 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	0.00	0.00	0.09	0.14	0.17	0.21	0.25	0.29	0.34
q3	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.02	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.40	0.47	0.53	0.60	0.67	0.74	0.87	0.99	1.11	1.22
q3	0.03	0.04	0.04	0.05	0.06	0.06	0.07	0.07	0.08	0.08
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.32	1.41	1.58	1.94	2.24	2.53	2.67	2.81	2.95	3.09
q3	0.08	0.08	0.08	0.08	0.09	0.11	0.12	0.13	0.14	0.15
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	3.24	3.39	3.68	3.97	4.25	4.52	4.78	5.01	5.23	5.43
q3	0.17	0.18	0.18	0.20	0.22	0.23	0.24	0.22	0.23	0.22
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	5.61	5.78	5.93	6.22	6.63	7.04	7.67	8.38	8.76	9.14
q3	0.21	0.21	0.20	0.20	0.21	0.24	0.32	0.40	0.47	0.50
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	10.10	11.00	11.51	12.00	13.08	14.37	15.10	16.15	17.39	18.84
q3	0.55	0.57	0.59	0.60	0.61	0.72	0.89	1.09	1.37	1.70
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	20.58	22.54	25.18	28.10	35.22	38.16	44.21	47.31	50.40	56.46
q3	2.16	2.56	3.04	3.55	4.34	5.02	5.47	5.92	6.11	6.29
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	62.24	67.61	72.49	76.87	81.47	89.88	91.48	97.44	100.00	100.00
q3	6.39	6.30	6.05	5.72	5.29	4.26	3.30	2.19	0.60	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

# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-01\_14-16cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 11:11:39AM  
 Index meas. : 2899  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 43.46  $\mu\text{m}$   
 Diameter at 50% : 143.71  $\mu\text{m}$   
 Diameter at 90% : 240.57  $\mu\text{m}$   
 Mean diameter : 145.94  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

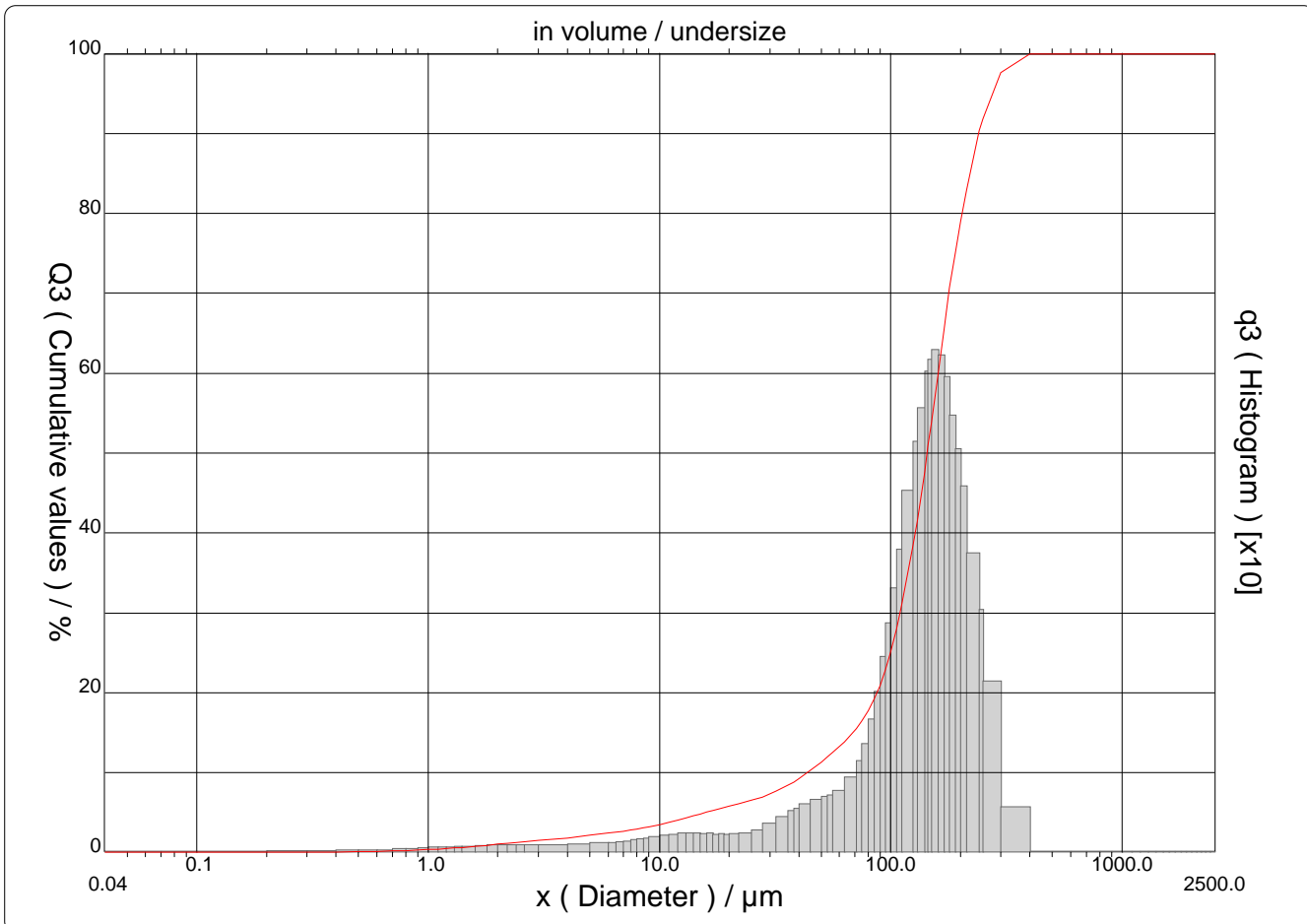
### Customer defined classes

### 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	1.83	13.65	20.22	38.49	69.24	91.80	99.51	100.00	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-01\_14-16cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 11:11:39AM  
 Index meas. : 2899  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 43.46 µm  
 Diameter at 50% : 143.71 µm  
 Diameter at 90% : 240.57 µm  
 Mean diameter : 145.94 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	0.00	0.00	0.00	0.04	0.08	0.12	0.16	0.20	0.26
q3	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.32	0.38	0.45	0.52	0.58	0.65	0.78	0.91	1.03	1.14
q3	0.03	0.04	0.05	0.05	0.05	0.06	0.07	0.07	0.08	0.08
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.24	1.34	1.51	1.86	2.16	2.44	2.57	2.70	2.83	2.97
q3	0.08	0.08	0.08	0.08	0.09	0.10	0.11	0.12	0.13	0.15
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	3.11	3.25	3.53	3.81	4.08	4.35	4.60	4.84	5.05	5.26
q3	0.15	0.16	0.18	0.20	0.21	0.23	0.23	0.23	0.22	0.23
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	5.44	5.62	5.78	6.09	6.53	6.98	7.67	8.44	8.85	9.26
q3	0.21	0.22	0.21	0.22	0.23	0.27	0.35	0.44	0.51	0.53
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	10.31	11.33	11.93	12.51	13.85	15.50	16.43	17.73	19.23	20.94
q3	0.60	0.65	0.69	0.70	0.76	0.92	1.13	1.35	1.65	2.00
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	22.91	25.10	27.97	31.08	38.49	41.50	47.65	50.80	53.92	59.98
q3	2.44	2.86	3.29	3.78	4.51	5.13	5.55	6.00	6.15	6.28
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	65.61	70.69	75.10	78.96	82.94	90.33	91.80	97.60	100.00	100.00
q3	6.21	5.94	5.45	5.03	4.57	3.73	3.02	2.13	0.56	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

# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-01\_16-18cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 11:28:26AM  
 Index meas. : 2900  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 13 %  
 Diameter at 10% : 39.34  $\mu\text{m}$   
 Diameter at 50% : 141.60  $\mu\text{m}$   
 Diameter at 90% : 250.66  $\mu\text{m}$   
 Mean diameter : 146.60  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

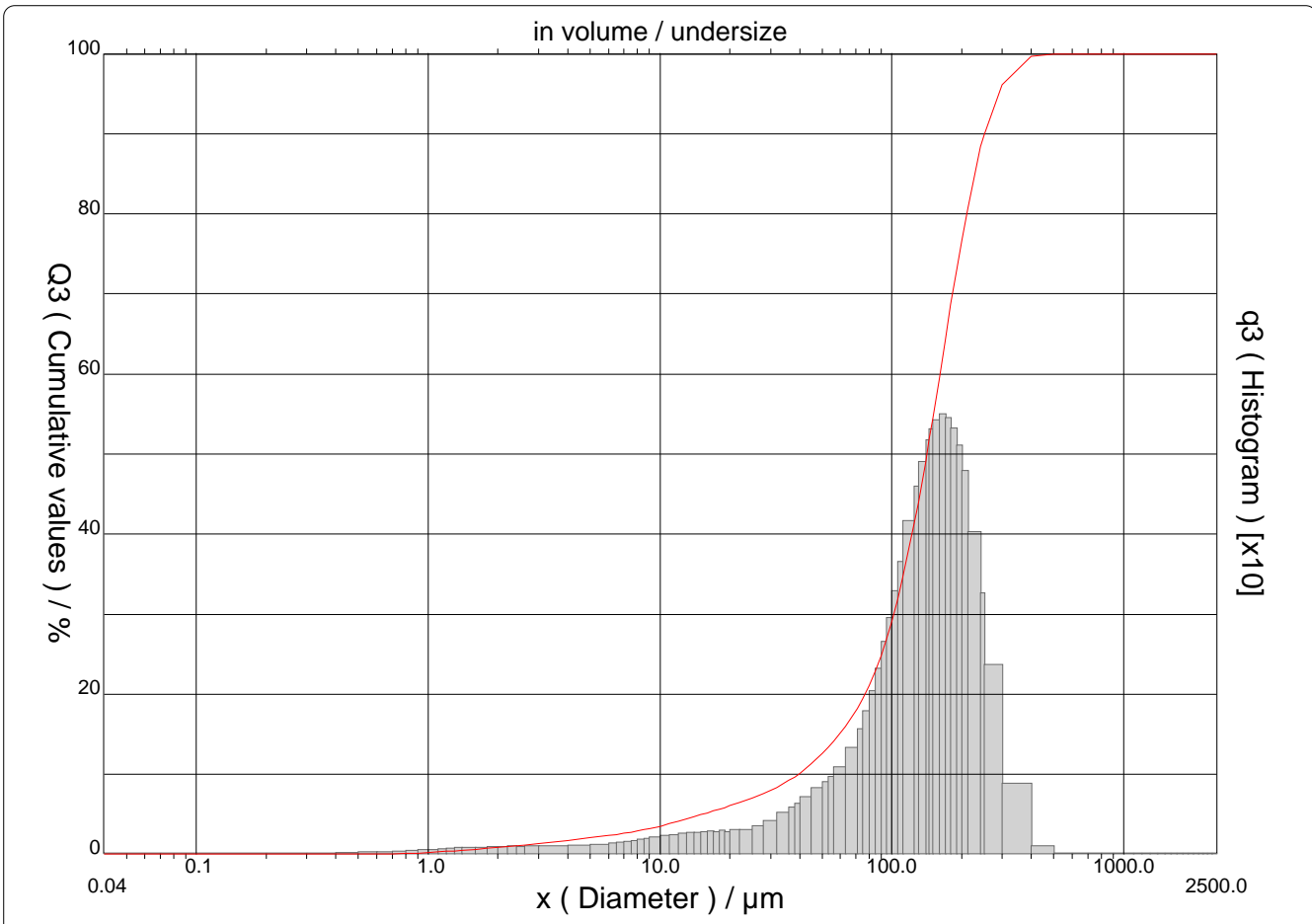
### Customer defined classes

### 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	1.72	15.67	24.02	41.31	67.42	89.91	98.72	100.00	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-01\_16-18cm  
Sample Name :  
Sample type : Mixed  
Comments :  
Liquid : Water (eau)  
Dispersing agent :  
Operator : Olivia  
Company :  
Location :  
Date : 07/05/2023 Time : 11:28:26AM  
Index meas. : 2900  
Database name : Granulog

Ultrasounds : 15 s (+during)  
Obscuration : 13 %  
Diameter at 10% : 39.34 µm  
Diameter at 50% : 141.60 µm  
Diameter at 90% : 250.66 µm  
Mean diameter : 146.60 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	0.00	0.00	0.00	0.00	0.00	0.01	0.04	0.07	0.12
q3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.18	0.25	0.31	0.38	0.45	0.52	0.65	0.77	0.89	1.00
q3	0.04	0.05	0.04	0.06	0.06	0.07	0.07	0.07	0.08	0.08
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.11	1.20	1.38	1.75	2.07	2.36	2.51	2.65	2.79	2.93
q3	0.09	0.08	0.09	0.09	0.10	0.11	0.13	0.13	0.14	0.15
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	3.08	3.23	3.53	3.83	4.12	4.41	4.68	4.94	5.19	5.43
q3	0.17	0.18	0.20	0.22	0.23	0.25	0.25	0.26	0.27	0.27
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	5.65	5.87	6.07	6.47	7.02	7.58	8.37	9.24	9.69	10.15
q3	0.27	0.28	0.27	0.29	0.30	0.34	0.41	0.51	0.58	0.62
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	11.35	12.59	13.34	14.10	15.94	18.22	19.45	21.11	22.89	24.80
q3	0.70	0.81	0.89	0.95	1.08	1.32	1.55	1.78	2.03	2.31
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	26.87	29.05	31.81	34.71	41.31	43.91	49.15	51.77	54.37	59.42
q3	2.65	2.94	3.27	3.64	4.15	4.58	4.89	5.16	5.30	5.41
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	64.23	68.73	72.88	76.66	80.69	88.38	89.91	96.11	99.72	100.00
q3	5.48	5.44	5.30	5.09	4.78	4.02	3.25	2.35	0.87	0.09
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

# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-01\_18-20cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 11:41:29AM  
 Index meas. : 2901  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 28.48  $\mu\text{m}$   
 Diameter at 50% : 154.43  $\mu\text{m}$   
 Diameter at 90% : 277.22  $\mu\text{m}$   
 Mean diameter : 157.89  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

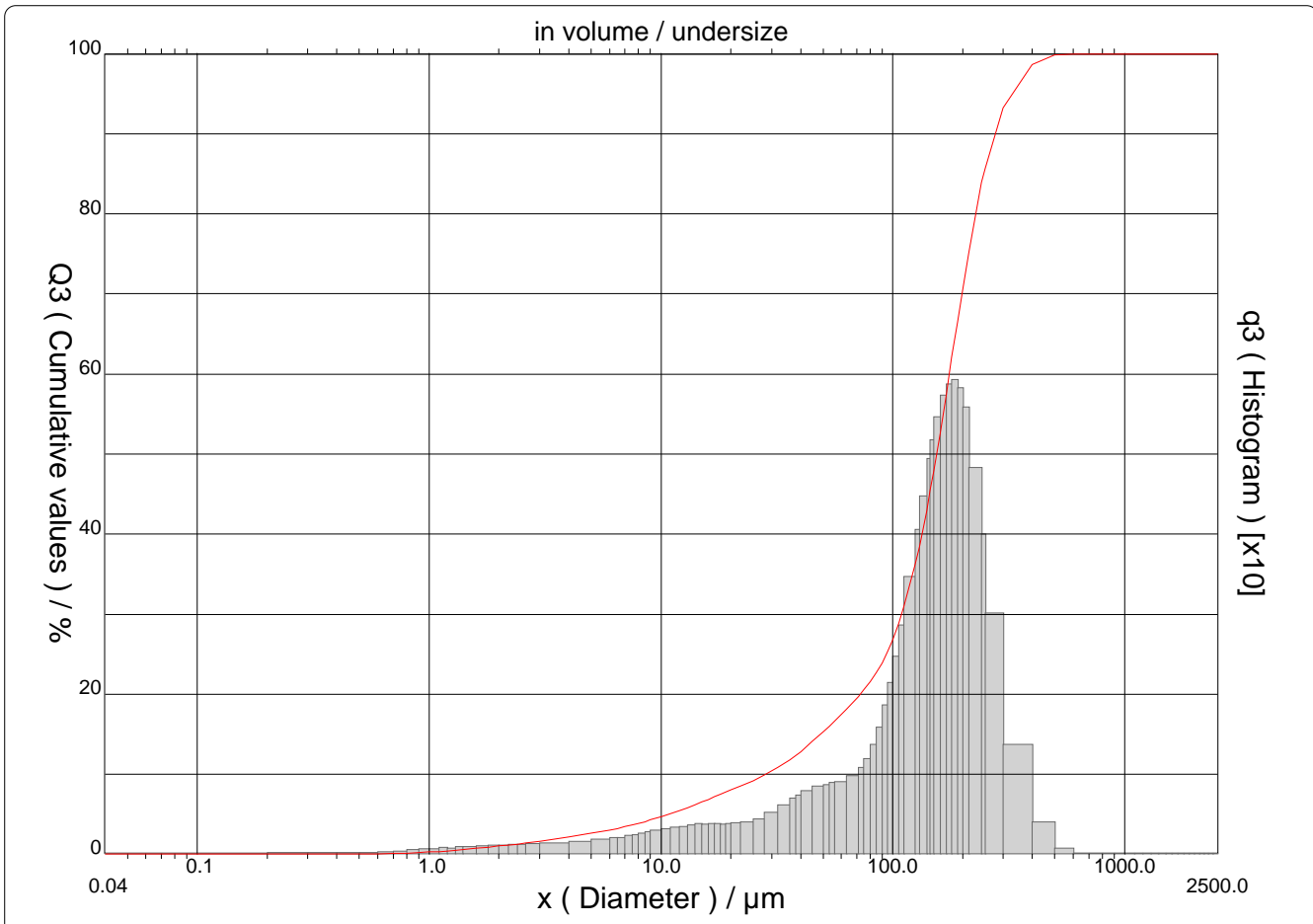
### Customer defined classes

### 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	2.10	17.91	23.44	36.24	60.72	85.72	96.89	99.84	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-01\_18-20cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 11:41:29AM  
 Index meas. : 2901  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 28.48 µm  
 Diameter at 50% : 154.43 µm  
 Diameter at 90% : 277.22 µm  
 Mean diameter : 157.89 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	0.00	0.00	0.00	0.04	0.05	0.06	0.08	0.11	0.16
q3	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.01	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.23	0.30	0.37	0.45	0.52	0.60	0.75	0.89	1.03	1.16
q3	0.04	0.05	0.05	0.07	0.06	0.08	0.08	0.09	0.10	0.10
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.29	1.41	1.64	2.15	2.61	3.05	3.26	3.46	3.67	3.87
q3	0.11	0.11	0.12	0.13	0.15	0.17	0.19	0.20	0.22	0.22
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	4.08	4.29	4.70	5.10	5.49	5.86	6.22	6.57	6.89	7.20
q3	0.25	0.27	0.28	0.30	0.32	0.33	0.35	0.37	0.36	0.37
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	7.49	7.76	8.02	8.52	9.21	9.88	10.82	11.80	12.31	12.82
q3	0.37	0.36	0.37	0.38	0.39	0.43	0.51	0.60	0.68	0.72
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	14.09	15.30	15.99	16.66	18.11	19.71	20.52	21.57	22.71	23.95
q3	0.78	0.83	0.86	0.88	0.89	0.97	1.07	1.18	1.36	1.57
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	25.33	26.84	28.82	30.99	36.24	38.43	43.00	45.39	47.81	52.67
q3	1.85	2.13	2.46	2.85	3.46	4.04	4.46	4.93	5.16	5.45
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	57.46	62.09	66.51	70.63	75.12	83.93	85.72	93.27	98.66	99.84
q3	5.71	5.86	5.91	5.81	5.57	4.81	3.98	2.99	1.35	0.38
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	0.06	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-01\_20-22cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 11:48:46AM  
 Index meas. : 2902  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 20.46  $\mu\text{m}$   
 Diameter at 50% : 145.46  $\mu\text{m}$   
 Diameter at 90% : 261.04  $\mu\text{m}$   
 Mean diameter : 146.08  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

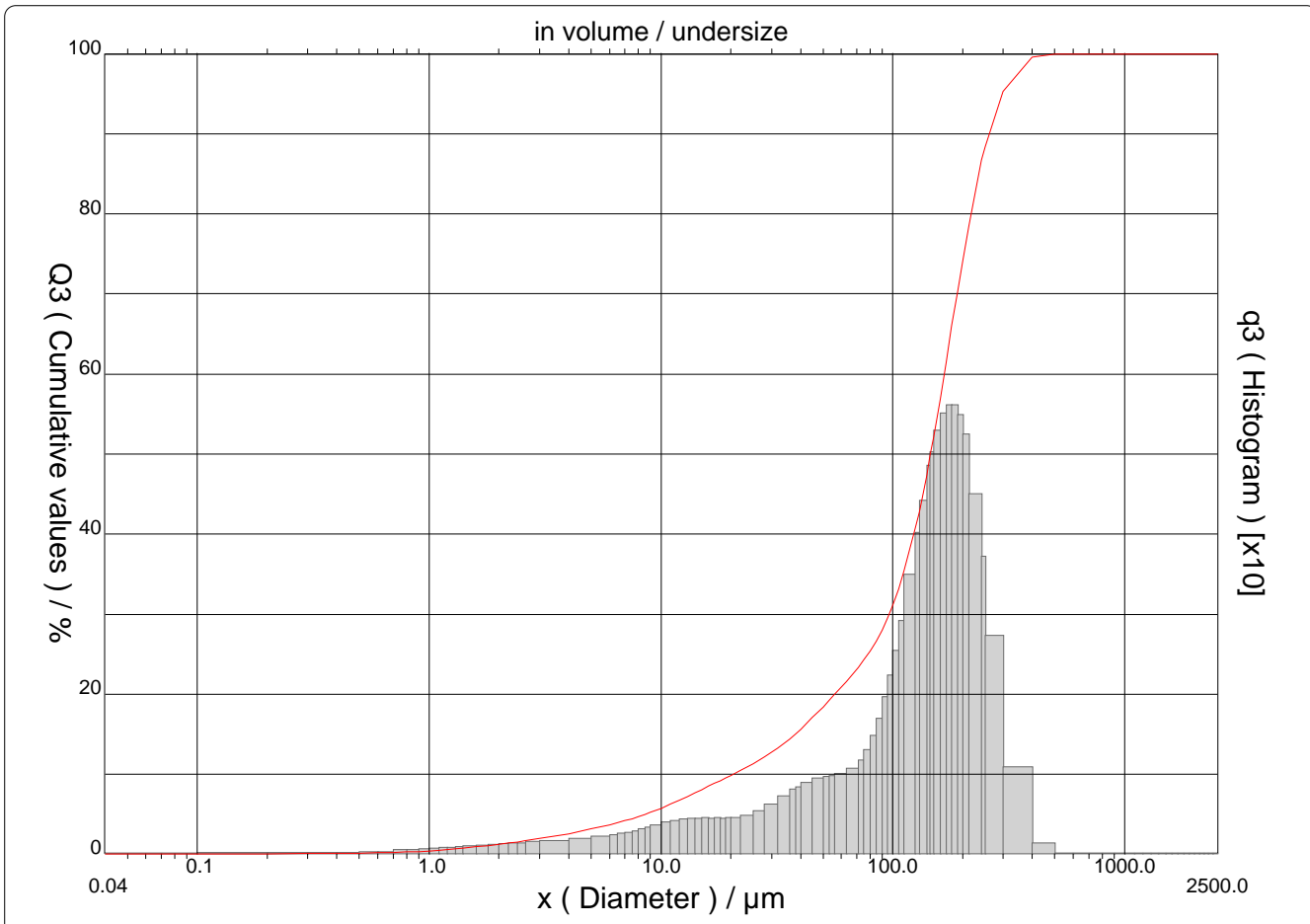
### Customer defined classes

### 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	2.55	21.36	27.44	40.67	64.69	88.36	98.36	100.00	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-01\_20-22cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 11:48:46AM  
 Index meas. : 2902  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 20.46 µm  
 Diameter at 50% : 145.46 µm  
 Diameter at 90% : 261.04 µm  
 Mean diameter : 146.08 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	0.00	0.00	0.06	0.10	0.13	0.15	0.19	0.23	0.30
q3	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.04
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.37	0.45	0.53	0.61	0.69	0.77	0.94	1.10	1.26	1.41
q3	0.04	0.05	0.06	0.07	0.07	0.08	0.09	0.10	0.11	0.11
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.56	1.70	1.98	2.60	3.17	3.71	3.96	4.22	4.47	4.72
q3	0.12	0.13	0.14	0.15	0.18	0.21	0.22	0.25	0.26	0.28
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	4.98	5.24	5.75	6.26	6.75	7.22	7.67	8.09	8.49	8.86
q3	0.31	0.33	0.35	0.38	0.40	0.42	0.44	0.44	0.44	0.44
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	9.21	9.54	9.86	10.45	11.29	12.12	13.26	14.43	15.03	15.62
q3	0.44	0.44	0.45	0.44	0.47	0.53	0.61	0.71	0.80	0.82
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	17.07	18.44	19.22	19.96	21.59	23.36	24.25	25.41	26.65	27.99
q3	0.88	0.93	0.96	0.96	0.99	1.06	1.16	1.29	1.47	1.68
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	29.46	31.05	33.11	35.34	40.67	42.86	47.41	49.78	52.15	56.90
q3	1.95	2.22	2.53	2.90	3.48	4.00	4.40	4.84	5.01	5.28
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	61.55	66.01	70.23	74.15	78.40	86.68	88.36	95.28	99.61	100.00
q3	5.50	5.59	5.60	5.48	5.23	4.48	3.70	2.72	1.08	0.13
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

# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-01\_22-24cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 11:59:41AM  
 Index meas. : 2903  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 20.91  $\mu\text{m}$   
 Diameter at 50% : 151.92  $\mu\text{m}$   
 Diameter at 90% : 278.68  $\mu\text{m}$   
 Mean diameter : 154.57  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

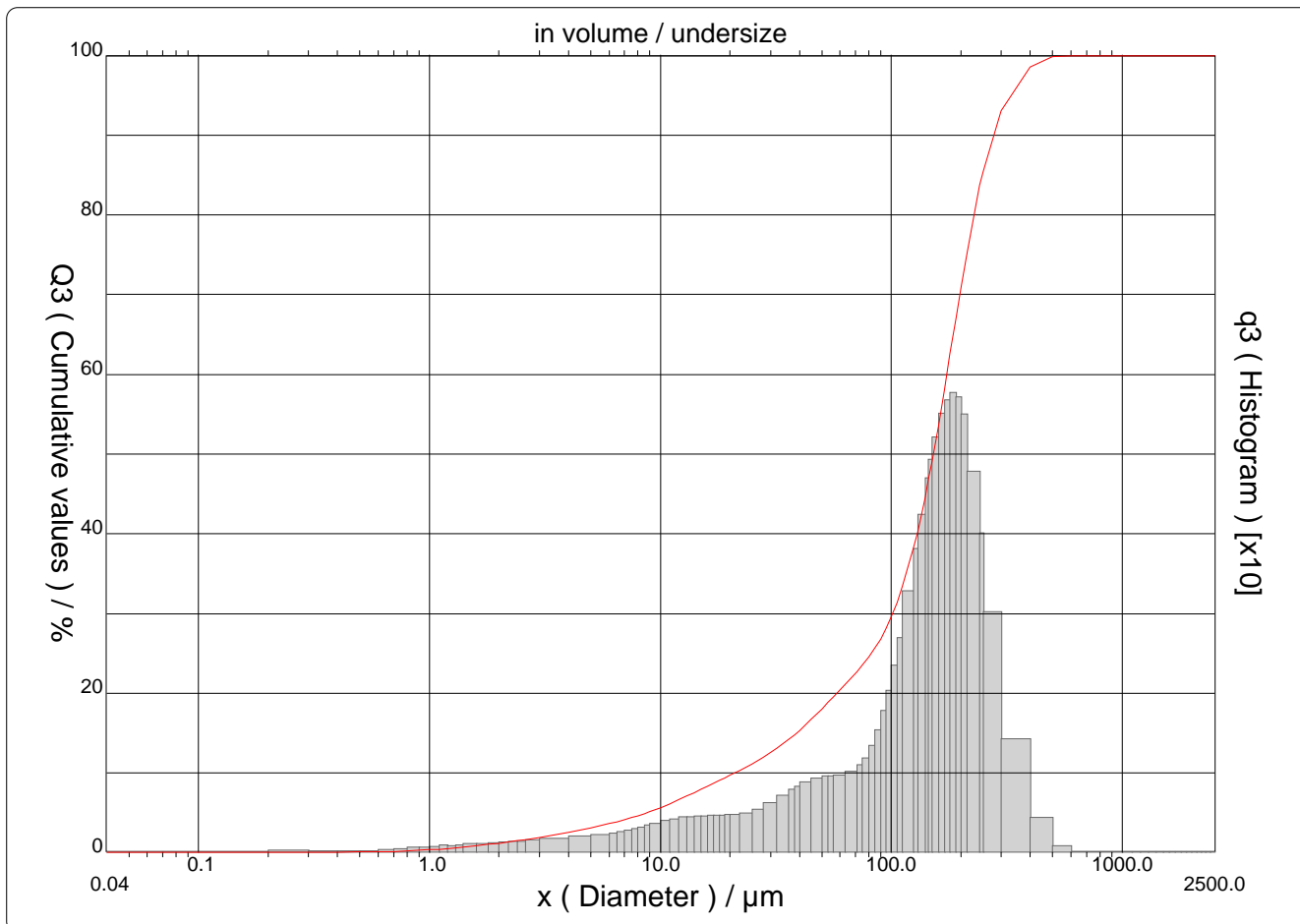
### Customer defined classes

### 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	2.49	20.86	26.35	38.29	61.32	85.55	96.70	99.83	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-01\_22-24cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 11:59:41AM  
 Index meas. : 2903  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 20.91 µm  
 Diameter at 50% : 151.92 µm  
 Diameter at 90% : 278.68 µm  
 Mean diameter : 154.57 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	0.00	0.00	0.00	0.06	0.09	0.11	0.13	0.17	0.23
q3	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.31	0.38	0.46	0.55	0.63	0.71	0.88	1.04	1.20	1.35
q3	0.05	0.05	0.06	0.08	0.07	0.08	0.09	0.10	0.11	0.12
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.50	1.64	1.92	2.55	3.12	3.64	3.89	4.14	4.39	4.64
q3	0.13	0.13	0.14	0.16	0.19	0.21	0.23	0.25	0.27	0.28
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	4.89	5.15	5.65	6.15	6.63	7.10	7.54	7.96	8.35	8.72
q3	0.30	0.33	0.35	0.39	0.40	0.43	0.44	0.45	0.44	0.45
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	9.07	9.40	9.72	10.32	11.16	11.98	13.09	14.22	14.79	15.36
q3	0.45	0.45	0.46	0.46	0.48	0.53	0.61	0.70	0.77	0.82
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	16.76	18.08	18.83	19.54	21.08	22.71	23.52	24.55	25.65	26.84
q3	0.87	0.92	0.94	0.95	0.96	1.00	1.08	1.17	1.33	1.53
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	28.14	29.55	31.40	33.41	38.29	40.32	44.59	46.83	49.10	53.67
q3	1.77	2.02	2.33	2.68	3.26	3.80	4.23	4.69	4.92	5.20
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	58.21	62.62	66.86	70.84	75.19	83.78	85.55	93.02	98.54	99.83
q3	5.50	5.66	5.76	5.70	5.48	4.76	4.00	3.01	1.41	0.42
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	0.07	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-01\_24-26cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 12:07:13AM  
 Index meas. : 2904  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 20.78  $\mu\text{m}$   
 Diameter at 50% : 152.07  $\mu\text{m}$   
 Diameter at 90% : 277.00  $\mu\text{m}$   
 Mean diameter : 154.47  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

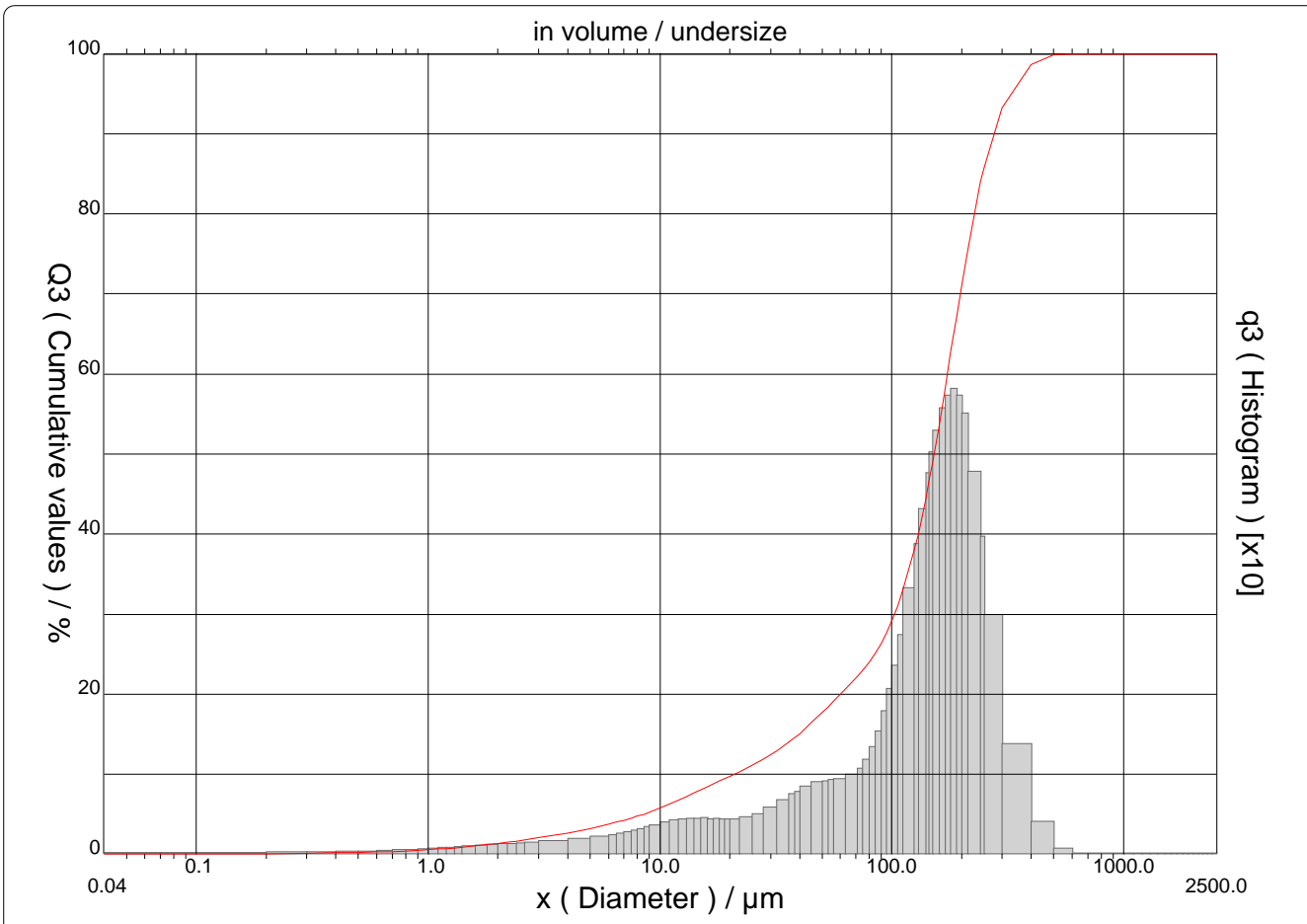
### Customer defined classes

### 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	2.64	20.41	25.84	37.98	61.43	85.82	96.85	99.84	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-01\_24-26cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 12:07:13AM  
 Index meas. : 2904  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 20.78 µm  
 Diameter at 50% : 152.07 µm  
 Diameter at 90% : 277.00 µm  
 Mean diameter : 154.47 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	0.01	0.03	0.09	0.15	0.20	0.26	0.31	0.37	0.44
q3	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.03	0.04
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.51	0.58	0.66	0.74	0.82	0.90	1.07	1.23	1.38	1.53
q3	0.04	0.05	0.06	0.07	0.07	0.08	0.09	0.10	0.10	0.12
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.67	1.81	2.08	2.70	3.26	3.78	4.03	4.28	4.53	4.78
q3	0.12	0.13	0.14	0.16	0.18	0.21	0.23	0.25	0.27	0.28
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	5.03	5.29	5.79	6.29	6.78	7.24	7.68	8.09	8.48	8.83
q3	0.30	0.33	0.35	0.38	0.41	0.42	0.43	0.43	0.44	0.42
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	9.17	9.48	9.78	10.33	11.12	11.88	12.92	14.00	14.55	15.09
q3	0.44	0.42	0.43	0.42	0.45	0.49	0.57	0.67	0.74	0.77
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	16.43	17.71	18.43	19.12	20.62	22.22	23.01	24.04	25.14	26.33
q3	0.83	0.89	0.90	0.92	0.93	0.98	1.05	1.17	1.33	1.52
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	27.64	29.08	30.95	33.00	37.98	40.05	44.41	46.69	49.01	53.67
q3	1.77	2.05	2.35	2.72	3.32	3.86	4.30	4.75	5.01	5.28
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	58.28	62.75	67.04	71.05	75.43	84.06	85.82	93.25	98.63	99.84
q3	5.56	5.72	5.80	5.72	5.50	4.77	3.96	2.98	1.37	0.40
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	0.06	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-01\_26-28cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 12:19:50AM  
 Index meas. : 2905  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 17 %  
 Diameter at 10% : 16.45  $\mu\text{m}$   
 Diameter at 50% : 145.21  $\mu\text{m}$   
 Diameter at 90% : 274.71  $\mu\text{m}$   
 Mean diameter : 147.57  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

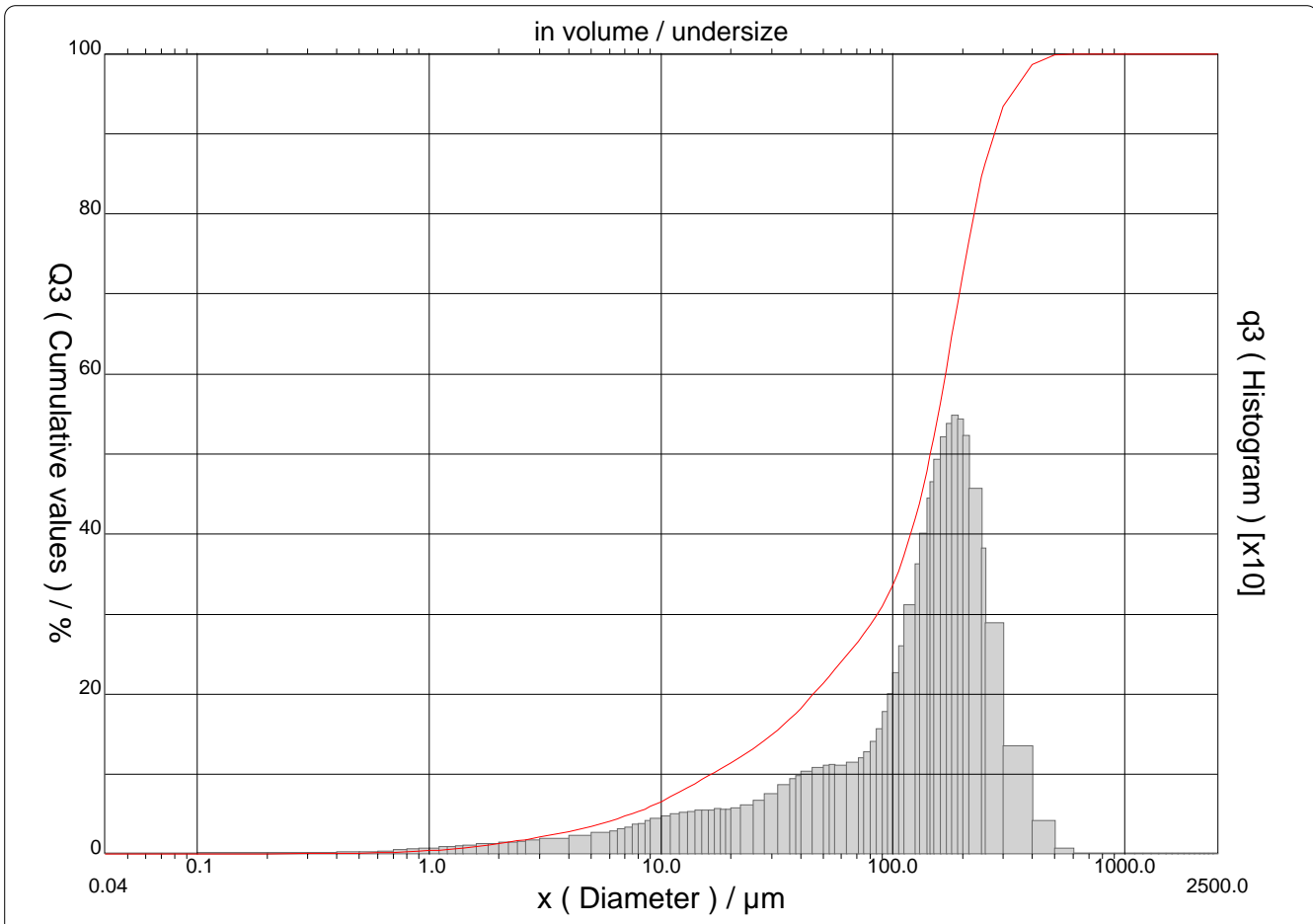
### Customer defined classes

### 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	2.81	24.58	30.47	41.91	63.48	86.34	96.90	99.84	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-01\_26-28cm  
Sample Name :  
Sample type : Mixed  
Comments :  
Liquid : Water (eau)  
Dispersing agent :  
Operator : Olivia  
Company :  
Location :  
Date : 07/05/2023 Time : 12:19:50AM  
Index meas. : 2905  
Database name : Granulog

Ultrasounds : 15 s (+during)  
Obscuration : 17 %  
Diameter at 10% : 16.45 µm  
Diameter at 50% : 145.21 µm  
Diameter at 90% : 274.71 µm  
Mean diameter : 147.57 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	0.00	0.00	0.06	0.10	0.13	0.16	0.19	0.24	0.31
q3	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.02	0.04
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.39	0.47	0.55	0.64	0.73	0.82	1.00	1.18	1.35	1.52
q3	0.05	0.06	0.06	0.08	0.08	0.09	0.10	0.11	0.12	0.13
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.68	1.84	2.16	2.87	3.53	4.16	4.46	4.76	5.06	5.37
q3	0.14	0.15	0.17	0.18	0.22	0.26	0.28	0.30	0.32	0.36
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	5.67	5.98	6.59	7.18	7.76	8.31	8.83	9.33	9.80	10.24
q3	0.37	0.40	0.43	0.46	0.49	0.51	0.52	0.54	0.54	0.54
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	10.67	11.07	11.45	12.18	13.21	14.22	15.56	16.91	17.59	18.26
q3	0.56	0.55	0.55	0.57	0.60	0.66	0.74	0.85	0.93	0.97
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	19.88	21.40	22.26	23.08	24.82	26.64	27.52	28.62	29.76	30.96
q3	1.02	1.07	1.09	1.10	1.09	1.13	1.19	1.26	1.39	1.56
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	32.25	33.63	35.40	37.32	41.91	43.82	47.81	49.91	52.03	56.31
q3	1.77	1.99	2.25	2.58	3.10	3.61	3.99	4.43	4.63	4.91
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	60.56	64.70	68.69	72.44	76.54	84.67	86.34	93.42	98.63	99.84
q3	5.19	5.37	5.47	5.42	5.21	4.55	3.80	2.88	1.34	0.40
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	0.07	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-01\_28-30cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 12:27:45AM  
 Index meas. : 2906  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 13.32  $\mu\text{m}$   
 Diameter at 50% : 134.34  $\mu\text{m}$   
 Diameter at 90% : 257.08  $\mu\text{m}$   
 Mean diameter : 135.36  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

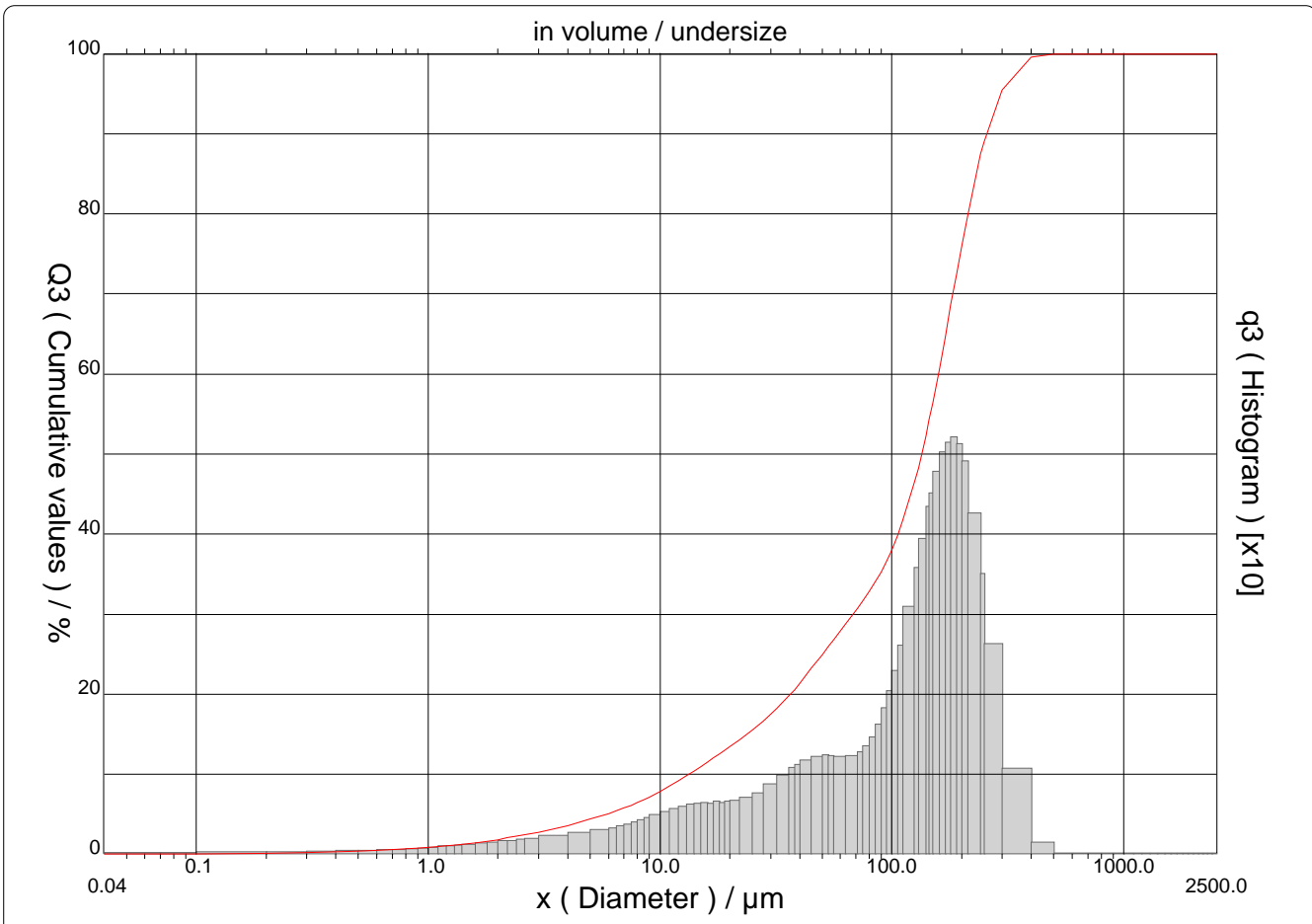
### Customer defined classes

### 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	3.55	28.49	34.77	46.35	67.44	89.01	98.39	100.00	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-01\_28-30cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 12:27:45AM  
 Index meas. : 2906  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 13.32 µm  
 Diameter at 50% : 134.34 µm  
 Diameter at 90% : 257.08 µm  
 Mean diameter : 135.36 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	0.17	0.27	0.36	0.46	0.55	0.63	0.71
q3	0.00	0.00	0.01	0.01	0.02	0.02	0.03	0.04	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	0.79	0.88	0.97	1.07	1.17	1.27	1.47	1.67	1.86	2.06
q3	0.05	0.06	0.07	0.08	0.09	0.10	0.11	0.13	0.13	0.15
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	2.24	2.43	2.79	3.63	4.40	5.12	5.46	5.80	6.14	6.48
q3	0.15	0.17	0.19	0.22	0.25	0.29	0.31	0.34	0.36	0.39
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	6.82	7.16	7.84	8.51	9.17	9.80	10.41	10.99	11.54	12.05
q3	0.41	0.44	0.48	0.52	0.56	0.58	0.61	0.62	0.63	0.62
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	12.55	13.01	13.46	14.31	15.52	16.68	18.24	19.80	20.58	21.35
q3	0.64	0.63	0.65	0.66	0.70	0.75	0.86	0.98	1.06	1.11
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	23.21	24.94	25.91	26.82	28.75	30.73	31.67	32.84	34.03	35.28
q3	1.16	1.21	1.23	1.22	1.21	1.22	1.26	1.34	1.45	1.61
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	36.61	38.02	39.82	41.76	46.35	48.25	52.20	54.26	56.33	60.51
q3	1.81	2.03	2.28	2.60	3.08	3.57	3.93	4.32	4.50	4.77
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	64.63	68.61	72.42	75.98	79.85	87.47	89.01	95.47	99.60	100.00
q3	5.01	5.13	5.19	5.11	4.89	4.24	3.49	2.61	1.06	0.13
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

# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-01\_30-32cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 01:37:15PM  
 Index meas. : 2907  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 20 %  
 Diameter at 10% : 12.72  $\mu\text{m}$   
 Diameter at 50% : 133.17  $\mu\text{m}$   
 Diameter at 90% : 256.52  $\mu\text{m}$   
 Mean diameter : 134.14  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

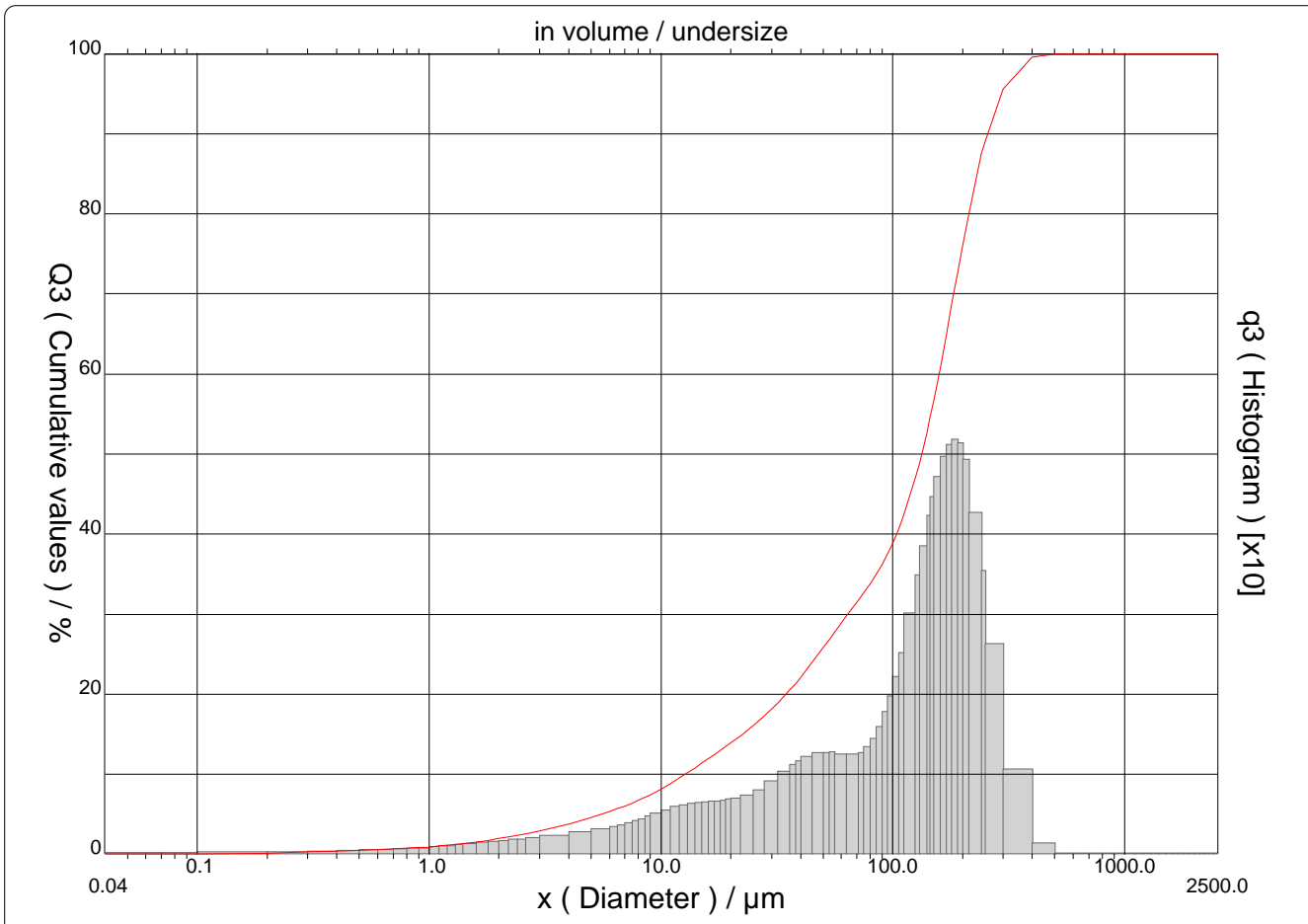
### Customer defined classes

### 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	3.72	29.46	35.72	46.91	67.56	89.09	98.43	100.00	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-01\_30-32cm  
Sample Name :  
Sample type : Mixed  
Comments :  
Liquid : Water (eau)  
Dispersing agent :  
Operator : Olivia  
Company :  
Location :  
Date : 07/05/2023 Time : 01:37:15PM  
Index meas. : 2907  
Database name : Granulog

Ultrasounds : 15 s (+during)  
Obscuration : 20 %  
Diameter at 10% : 12.72 µm  
Diameter at 50% : 133.17 µm  
Diameter at 90% : 256.52 µm  
Mean diameter : 134.14 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	0.18	0.28	0.38	0.48	0.58	0.66	0.75
q3	0.00	0.00	0.01	0.01	0.02	0.03	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	0.84	0.93	1.03	1.13	1.23	1.34	1.55	1.76	1.97	2.17
q3	0.06	0.06	0.08	0.08	0.09	0.11	0.12	0.13	0.15	0.16
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	2.37	2.56	2.93	3.80	4.59	5.33	5.69	6.04	6.39	6.74
q3	0.17	0.18	0.19	0.22	0.26	0.30	0.33	0.35	0.38	0.40
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	7.09	7.45	8.16	8.85	9.53	10.18	10.80	11.39	11.95	12.48
q3	0.43	0.47	0.50	0.54	0.58	0.60	0.62	0.63	0.64	0.65
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	12.98	13.46	13.93	14.81	16.06	17.27	18.89	20.51	21.32	22.12
q3	0.65	0.66	0.68	0.68	0.72	0.79	0.90	1.02	1.11	1.15
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	24.04	25.83	26.82	27.76	29.73	31.73	32.66	33.82	34.99	36.21
q3	1.21	1.26	1.26	1.26	1.24	1.24	1.25	1.33	1.43	1.58
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	37.50	38.86	40.60	42.46	46.91	48.75	52.59	54.59	56.63	60.73
q3	1.76	1.96	2.21	2.50	3.00	3.47	3.83	4.22	4.45	4.70
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	64.79	68.73	72.51	76.06	79.93	87.54	89.09	95.53	99.62	100.00
q3	4.95	5.10	5.17	5.12	4.91	4.25	3.52	2.61	1.05	0.13
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

# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-01\_32-34cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 01:45:36PM  
 Index meas. : 2908  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 12 %  
 Diameter at 10% : 18.94  $\mu\text{m}$   
 Diameter at 50% : 148.19  $\mu\text{m}$   
 Diameter at 90% : 272.94  $\mu\text{m}$   
 Mean diameter : 149.55  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

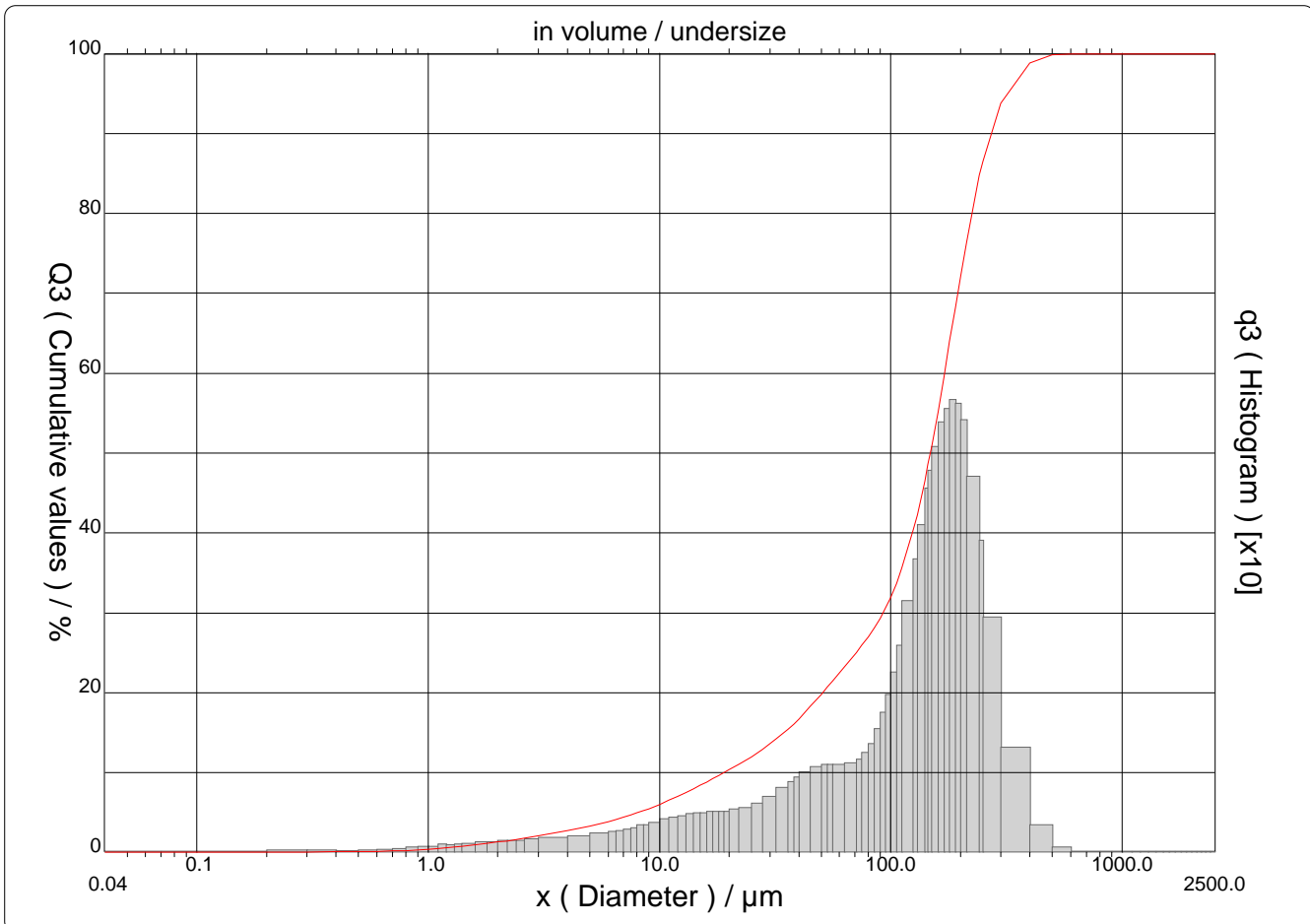
### Customer defined classes

### 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	2.70	23.02	28.81	40.35	62.70	86.50	97.22	99.87	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-01\_32-34cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 01:45:36PM  
 Index meas. : 2908  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 12 %  
 Diameter at 10% : 18.94 µm  
 Diameter at 50% : 148.19 µm  
 Diameter at 90% : 272.94 µm  
 Mean diameter : 149.55 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	0.00	0.00	0.00	0.06	0.10	0.12	0.15	0.20	0.26
q3	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.34	0.43	0.51	0.61	0.70	0.79	0.97	1.15	1.32	1.49
q3	0.05	0.06	0.06	0.08	0.08	0.09	0.10	0.11	0.12	0.13
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.65	1.80	2.10	2.76	3.35	3.91	4.18	4.44	4.70	4.96
q3	0.14	0.14	0.15	0.17	0.19	0.23	0.25	0.26	0.28	0.30
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	5.23	5.49	6.01	6.53	7.03	7.51	7.98	8.43	8.85	9.26
q3	0.33	0.33	0.36	0.40	0.42	0.44	0.47	0.48	0.48	0.50
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	9.65	10.02	10.37	11.05	12.00	12.93	14.18	15.46	16.10	16.75
q3	0.50	0.50	0.50	0.52	0.55	0.60	0.69	0.80	0.87	0.93
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	18.34	19.85	20.71	21.52	23.26	25.06	25.92	27.00	28.11	29.30
q3	0.99	1.05	1.09	1.08	1.09	1.11	1.15	1.23	1.35	1.53
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	30.58	31.95	33.73	35.66	40.35	42.30	46.42	48.59	50.79	55.24
q3	1.74	1.96	2.25	2.58	3.14	3.66	4.09	4.55	4.77	5.07
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	59.67	63.98	68.14	72.05	76.33	84.78	86.50	93.77	98.86	99.87
q3	5.37	5.54	5.66	5.60	5.40	4.69	3.89	2.93	1.30	0.33
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	0.05	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-01\_34-36cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 01:56:22PM  
 Index meas. : 2909  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 11.33  $\mu\text{m}$   
 Diameter at 50% : 128.27  $\mu\text{m}$   
 Diameter at 90% : 271.24  $\mu\text{m}$   
 Mean diameter : 133.91  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

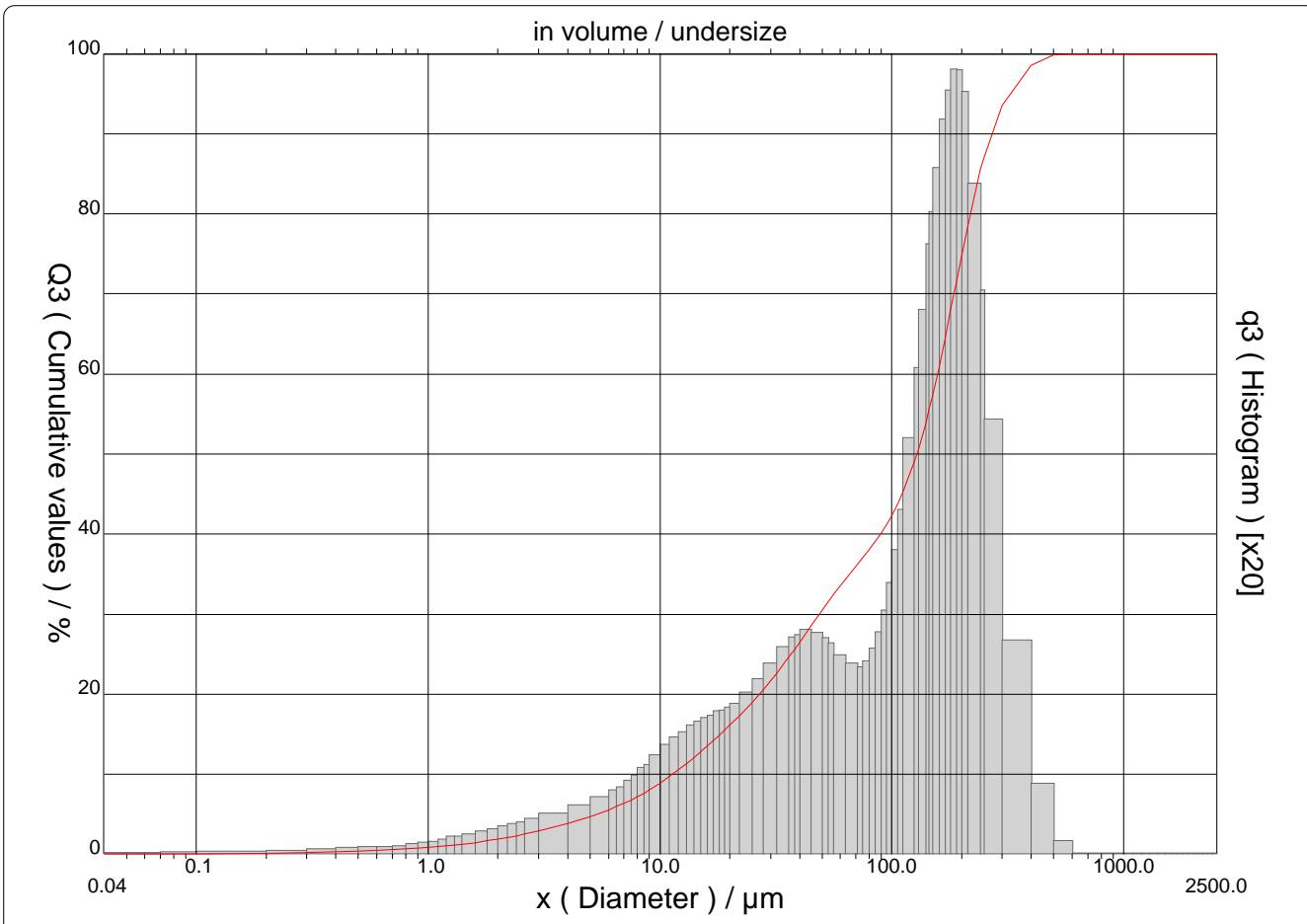
### Customer defined classes

### 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	3.77	34.11	39.67	48.98	67.03	87.12	96.84	99.82	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-01\_34-36cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 01:56:22PM  
 Index meas. : 2909  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 11.33 µm  
 Diameter at 50% : 128.27 µm  
 Diameter at 90% : 271.24 µm  
 Mean diameter : 133.91 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	0.15	0.24	0.34	0.44	0.53	0.61	0.69
q3	0.00	0.00	0.01	0.01	0.02	0.03	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	0.78	0.87	0.96	1.06	1.17	1.27	1.48	1.69	1.90	2.11
q3	0.06	0.07	0.07	0.09	0.11	0.10	0.12	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	2.32	2.52	2.92	3.86	4.74	5.58	5.99	6.39	6.80	7.21
q3	0.19	0.19	0.21	0.25	0.30	0.35	0.39	0.41	0.46	0.49
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	7.63	8.04	8.88	9.72	10.54	11.33	12.10	12.84	13.55	14.23
q3	0.53	0.55	0.61	0.68	0.72	0.76	0.80	0.82	0.84	0.86
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	14.89	15.52	16.13	17.29	18.96	20.57	22.63	24.61	25.56	26.47
q3	0.89	0.89	0.91	0.93	1.00	1.09	1.18	1.29	1.35	1.36
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	28.61	30.50	31.52	32.46	34.36	36.21	37.04	38.05	39.06	40.09
q3	1.39	1.38	1.34	1.31	1.24	1.19	1.16	1.20	1.28	1.38
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	41.16	42.29	43.73	45.27	48.98	50.53	53.81	55.55	57.32	60.92
q3	1.52	1.69	1.90	2.15	2.59	3.03	3.40	3.80	4.01	4.28
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	64.54	68.09	71.54	74.81	78.42	85.63	87.12	93.56	98.55	99.82
q3	4.58	4.77	4.90	4.89	4.75	4.18	3.52	2.71	1.33	0.44
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	0.08	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-01\_36-38cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 02:05:03PM  
 Index meas. : 2910  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 20.13  $\mu\text{m}$   
 Diameter at 50% : 161.77  $\mu\text{m}$   
 Diameter at 90% : 291.35  $\mu\text{m}$   
 Mean diameter : 162.02  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

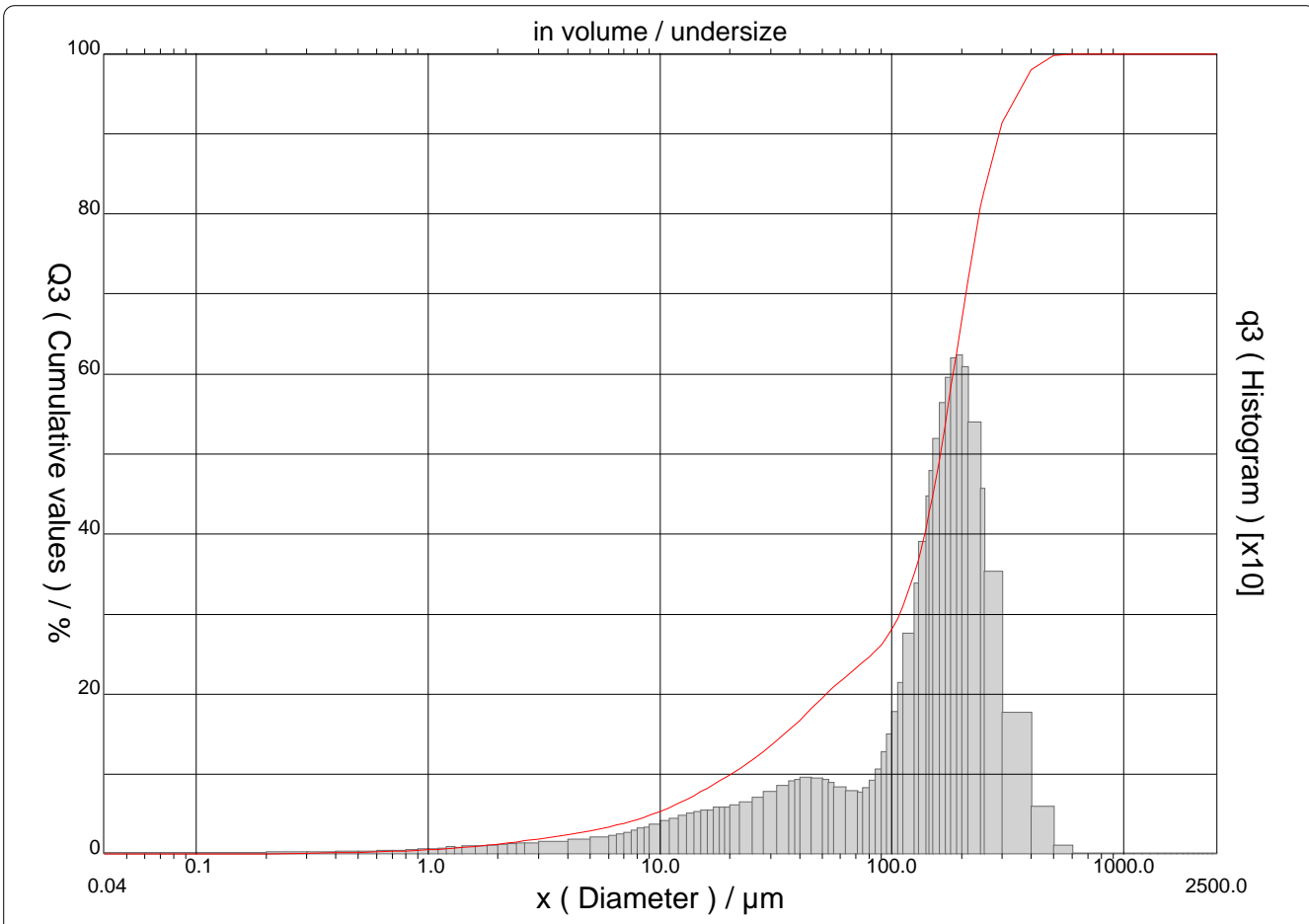
### Customer defined classes

### 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	2.41	22.01	25.85	34.99	56.84	82.88	95.73	99.76	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-01\_36-38cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 02:05:03PM  
 Index meas. : 2910  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 20.13  $\mu\text{m}$   
 Diameter at 50% : 161.77  $\mu\text{m}$   
 Diameter at 90% : 291.35  $\mu\text{m}$   
 Mean diameter : 162.02  $\mu\text{m}$   
 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	0.01	0.03	0.09	0.15	0.21	0.27	0.32	0.38	0.44
q3	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.02	0.03	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.50	0.57	0.64	0.71	0.79	0.86	1.01	1.15	1.29	1.42
q3	0.04	0.05	0.06	0.06	0.08	0.07	0.08	0.09	0.10	0.10
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.55	1.68	1.91	2.46	2.96	3.44	3.67	3.90	4.13	4.37
q3	0.11	0.12	0.12	0.14	0.17	0.20	0.22	0.23	0.25	0.28
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	4.62	4.86	5.36	5.87	6.37	6.87	7.36	7.83	8.29	8.72
q3	0.31	0.32	0.36	0.40	0.43	0.47	0.50	0.52	0.54	0.54
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	9.15	9.56	9.95	10.71	11.79	12.83	14.18	15.50	16.14	16.76
q3	0.57	0.57	0.57	0.60	0.64	0.69	0.76	0.85	0.89	0.91
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	18.23	19.54	20.25	20.89	22.18	23.41	23.96	24.66	25.39	26.18
q3	0.94	0.94	0.92	0.88	0.83	0.78	0.76	0.82	0.91	1.04
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	27.08	28.09	29.45	31.00	34.99	36.74	40.55	42.62	44.76	49.18
q3	1.26	1.49	1.76	2.13	2.75	3.37	3.89	4.46	4.77	5.18
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	53.69	58.18	62.60	66.82	71.50	80.92	82.88	91.36	98.04	99.76
q3	5.62	5.94	6.18	6.22	6.07	5.38	4.56	3.52	1.76	0.58
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	0.10	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 /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density

# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-01\_38-40cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 02:20:54PM  
 Index meas. : 2911  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 28.42  $\mu\text{m}$   
 Diameter at 50% : 173.66  $\mu\text{m}$   
 Diameter at 90% : 298.79  $\mu\text{m}$   
 Mean diameter : 175.80  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

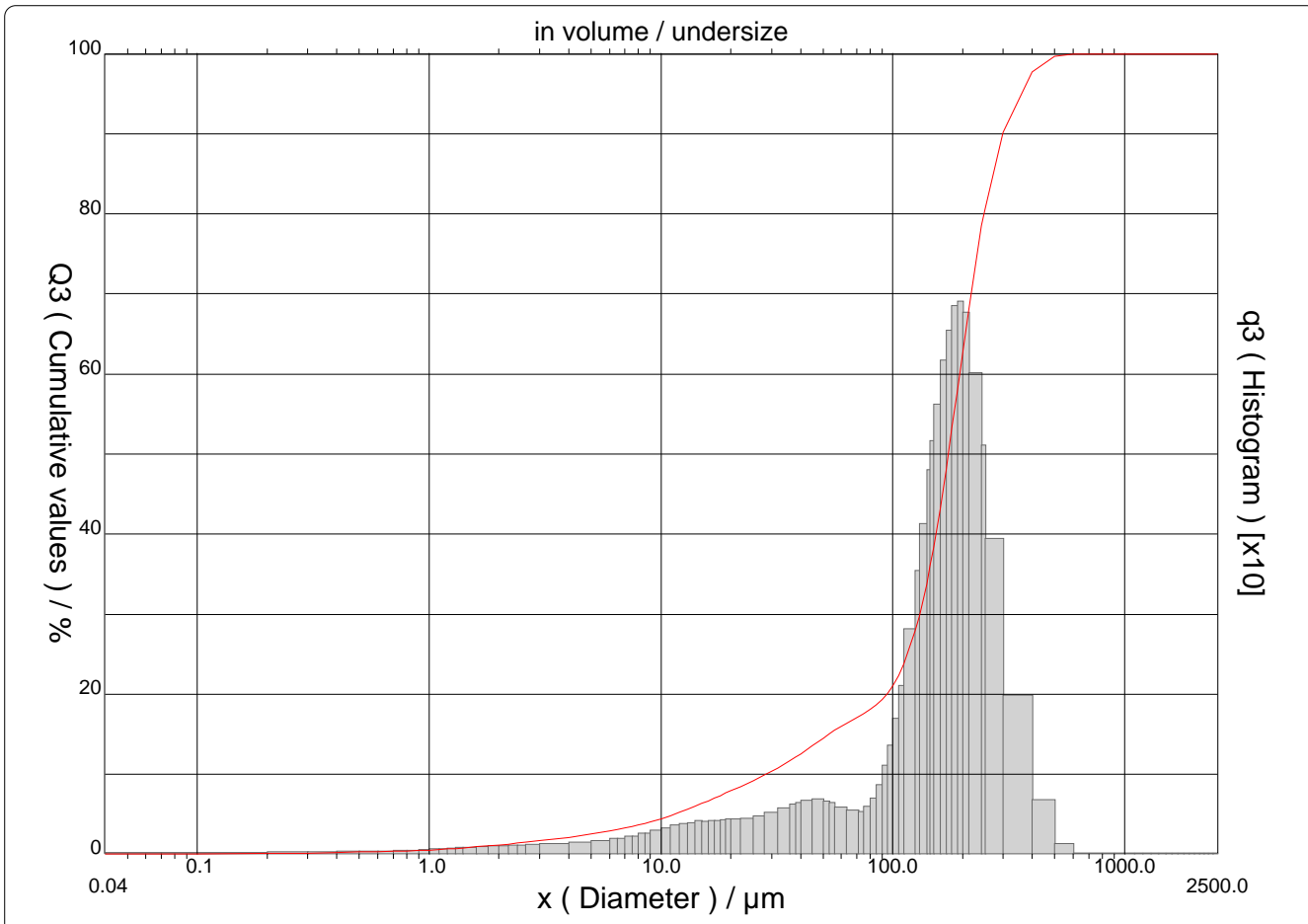
### Customer defined classes

### 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	2.10	16.26	19.04	27.94	51.62	80.70	95.14	99.72	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-01\_38-40cm  
Sample Name :  
Sample type : Mixed  
Comments :  
Liquid : Water (eau)  
Dispersing agent :  
Operator : Olivia  
Company :  
Location :  
Date : 07/05/2023 Time : 02:20:54PM  
Index meas. : 2911  
Database name : Granulog

Ultrasounds : 15 s (+during)  
Obscuration : 14 %  
Diameter at 10% : 28.42 µm  
Diameter at 50% : 173.66 µm  
Diameter at 90% : 298.79 µm  
Mean diameter : 175.80 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	0.10	0.16	0.22	0.28	0.33	0.38	0.44
q3	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.02	0.02	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.49	0.55	0.62	0.68	0.74	0.81	0.94	1.06	1.18	1.29
q3	0.03	0.04	0.06	0.05	0.06	0.07	0.07	0.08	0.09	0.09
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.40	1.50	1.70	2.14	2.53	2.91	3.10	3.28	3.47	3.65
q3	0.10	0.09	0.11	0.12	0.13	0.16	0.18	0.18	0.21	0.21
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	3.85	4.04	4.44	4.84	5.24	5.63	6.00	6.37	6.71	7.04
q3	0.25	0.25	0.29	0.32	0.35	0.37	0.38	0.40	0.40	0.41
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	7.35	7.65	7.94	8.48	9.21	9.90	10.80	11.68	12.12	12.55
q3	0.41	0.42	0.43	0.43	0.43	0.46	0.51	0.56	0.61	0.63
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	13.58	14.52	15.02	15.48	16.38	17.23	17.61	18.11	18.66	19.31
q3	0.66	0.67	0.65	0.63	0.57	0.53	0.52	0.58	0.68	0.86
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	20.10	21.02	22.32	23.85	27.94	29.78	33.83	36.06	38.38	43.19
q3	1.10	1.35	1.68	2.09	2.80	3.53	4.11	4.78	5.15	5.61
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	48.15	53.11	58.02	62.72	67.95	78.50	80.70	90.21	97.75	99.72
q3	6.16	6.53	6.83	6.89	6.75	6.00	5.09	3.92	1.97	0.66
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	0.12	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-01\_40-42cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 02:54:58PM  
 Index meas. : 2912  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 41.72  $\mu\text{m}$   
 Diameter at 50% : 180.02  $\mu\text{m}$   
 Diameter at 90% : 308.29  $\mu\text{m}$   
 Mean diameter : 184.68  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

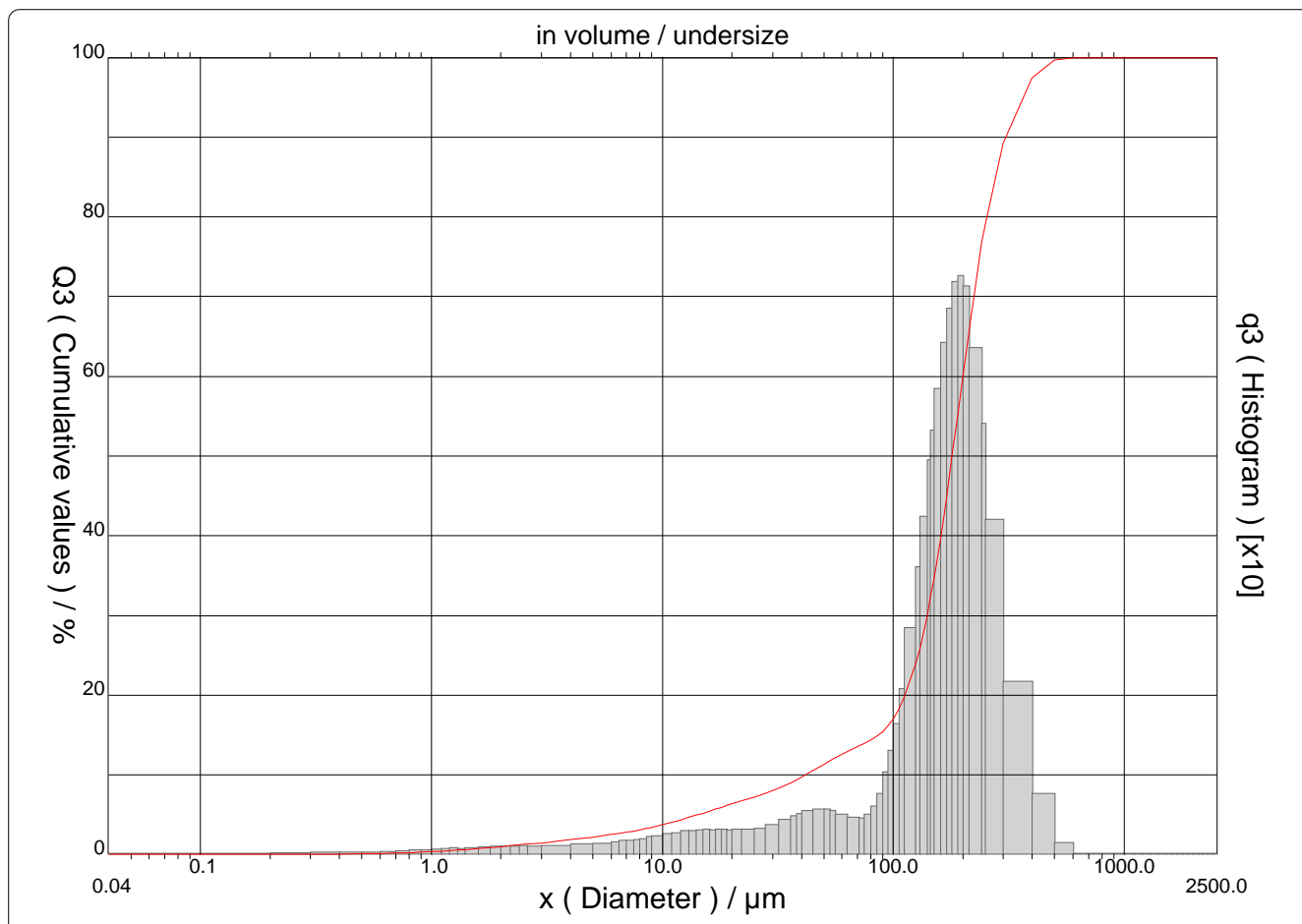
### Customer defined classes

### 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	1.84	12.81	15.18	23.92	48.44	79.07	94.56	99.68	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-01\_40-42cm  
Sample Name :  
Sample type : Mixed  
Comments :  
Liquid : Water (eau)  
Dispersing agent :  
Operator : Olivia  
Company :  
Location :  
Date : 07/05/2023 Time : 02:54:58PM  
Index meas. : 2912  
Database name : Granulog

Ultrasounds : 15 s (+during)  
Obscuration : 14 %  
Diameter at 10% : 41.72 µm  
Diameter at 50% : 180.02 µm  
Diameter at 90% : 308.29 µm  
Mean diameter : 184.68 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	0.00	0.00	0.00	0.04	0.09	0.12	0.16	0.21	0.26
q3	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.32	0.38	0.44	0.51	0.58	0.64	0.77	0.89	1.01	1.12
q3	0.04	0.04	0.05	0.06	0.07	0.06	0.07	0.08	0.09	0.09
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.22	1.32	1.49	1.87	2.21	2.52	2.67	2.83	2.98	3.13
q3	0.09	0.09	0.09	0.10	0.11	0.13	0.14	0.16	0.16	0.17
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	3.28	3.44	3.75	4.06	4.36	4.66	4.94	5.21	5.47	5.71
q3	0.19	0.21	0.22	0.24	0.26	0.28	0.28	0.29	0.30	0.30
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	5.94	6.16	6.36	6.74	7.25	7.72	8.36	9.02	9.36	9.70
q3	0.30	0.31	0.29	0.30	0.30	0.31	0.36	0.42	0.47	0.50
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	10.54	11.32	11.75	12.14	12.91	13.63	13.95	14.37	14.85	15.42
q3	0.54	0.56	0.56	0.53	0.49	0.45	0.44	0.49	0.60	0.75
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	16.15	17.03	18.29	19.80	23.92	25.79	29.95	32.25	34.64	39.64
q3	1.02	1.29	1.63	2.06	2.82	3.59	4.23	4.93	5.31	5.83
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	44.80	49.99	55.14	60.08	65.59	76.74	79.07	89.22	97.45	99.68
q3	6.41	6.83	7.17	7.25	7.12	6.34	5.39	4.19	2.15	0.75
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	0.13	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-01\_42-44cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 03:02:09PM  
 Index meas. : 2913  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 60.21  $\mu\text{m}$   
 Diameter at 50% : 183.91  $\mu\text{m}$   
 Diameter at 90% : 312.95  $\mu\text{m}$   
 Mean diameter : 190.76  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

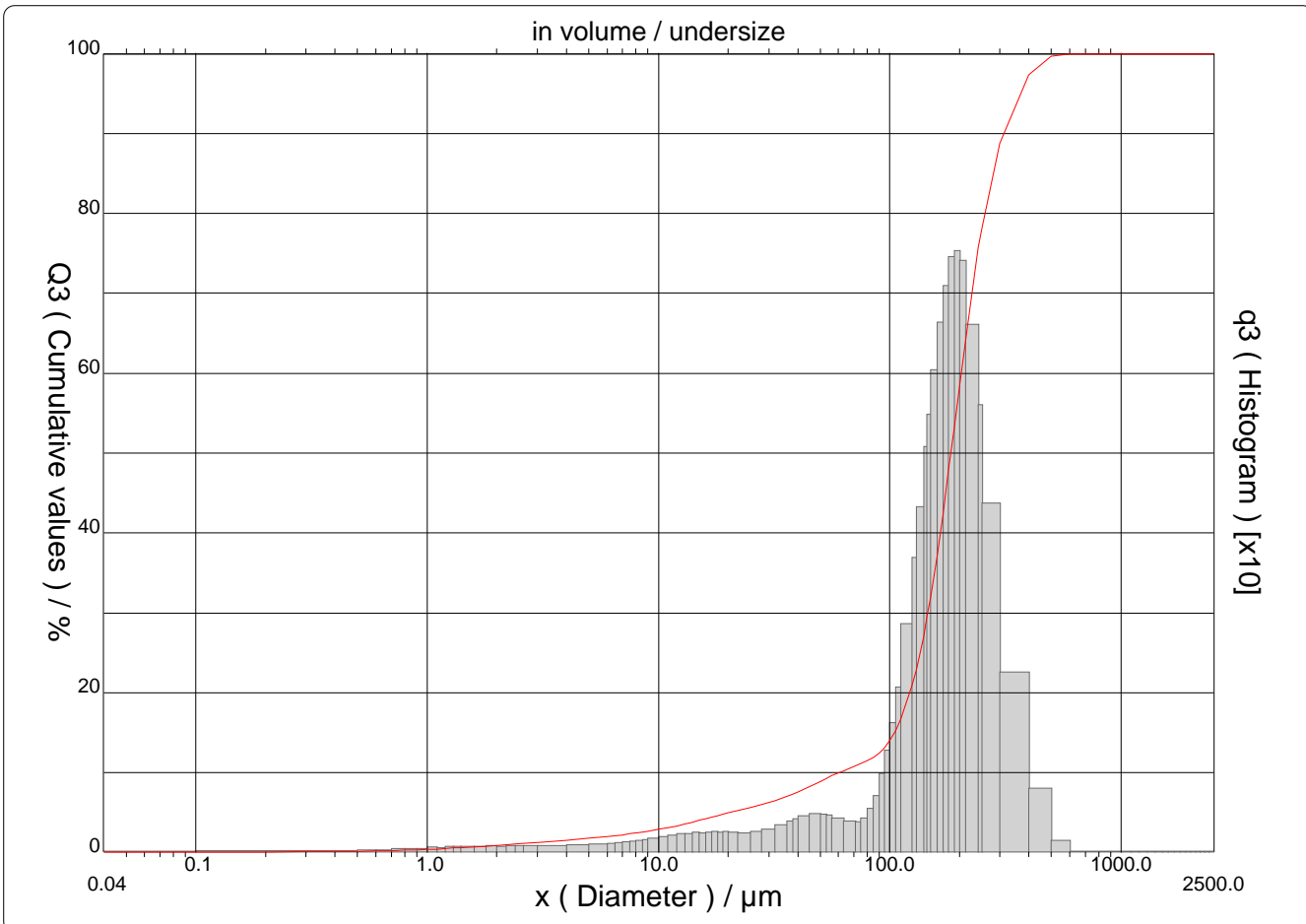
### Customer defined classes

### 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	1.53	10.17	12.21	20.93	46.25	78.16	94.32	99.67	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-01\_42-44cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 03:02:09PM  
 Index meas. : 2913  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 60.21 µm  
 Diameter at 50% : 183.91 µm  
 Diameter at 90% : 312.95 µm  
 Mean diameter : 190.76 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	0.00	0.00	0.08	0.12	0.15	0.17	0.21	0.24	0.29
q3	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.01	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.34	0.39	0.45	0.50	0.56	0.62	0.72	0.82	0.92	1.00
q3	0.03	0.04	0.05	0.04	0.06	0.06	0.06	0.06	0.07	0.06
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.08	1.15	1.28	1.55	1.79	2.01	2.11	2.22	2.33	2.44
q3	0.07	0.07	0.07	0.07	0.08	0.09	0.09	0.11	0.12	0.13
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	2.55	2.66	2.89	3.12	3.35	3.58	3.80	4.02	4.22	4.41
q3	0.14	0.14	0.16	0.18	0.20	0.22	0.22	0.24	0.23	0.24
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	4.60	4.77	4.94	5.24	5.63	6.00	6.49	7.01	7.28	7.56
q3	0.25	0.24	0.25	0.24	0.23	0.25	0.28	0.33	0.37	0.41
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	8.25	8.91	9.27	9.60	10.25	10.85	11.12	11.48	11.91	12.44
q3	0.44	0.47	0.46	0.45	0.41	0.38	0.37	0.42	0.53	0.70
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	13.14	14.00	15.25	16.76	20.93	22.85	27.11	29.48	31.95	37.13
q3	0.97	1.26	1.61	2.06	2.85	3.67	4.31	5.07	5.47	6.02
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	42.48	47.87	53.23	58.37	64.11	75.74	78.16	88.74	97.32	99.67
q3	6.62	7.08	7.44	7.52	7.39	6.59	5.58	4.36	2.24	0.79
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	0.14	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-01\_44-46cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 03:15:07PM  
 Index meas. : 2914  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 26.61  $\mu\text{m}$   
 Diameter at 50% : 165.62  $\mu\text{m}$   
 Diameter at 90% : 285.91  $\mu\text{m}$   
 Mean diameter : 166.28  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

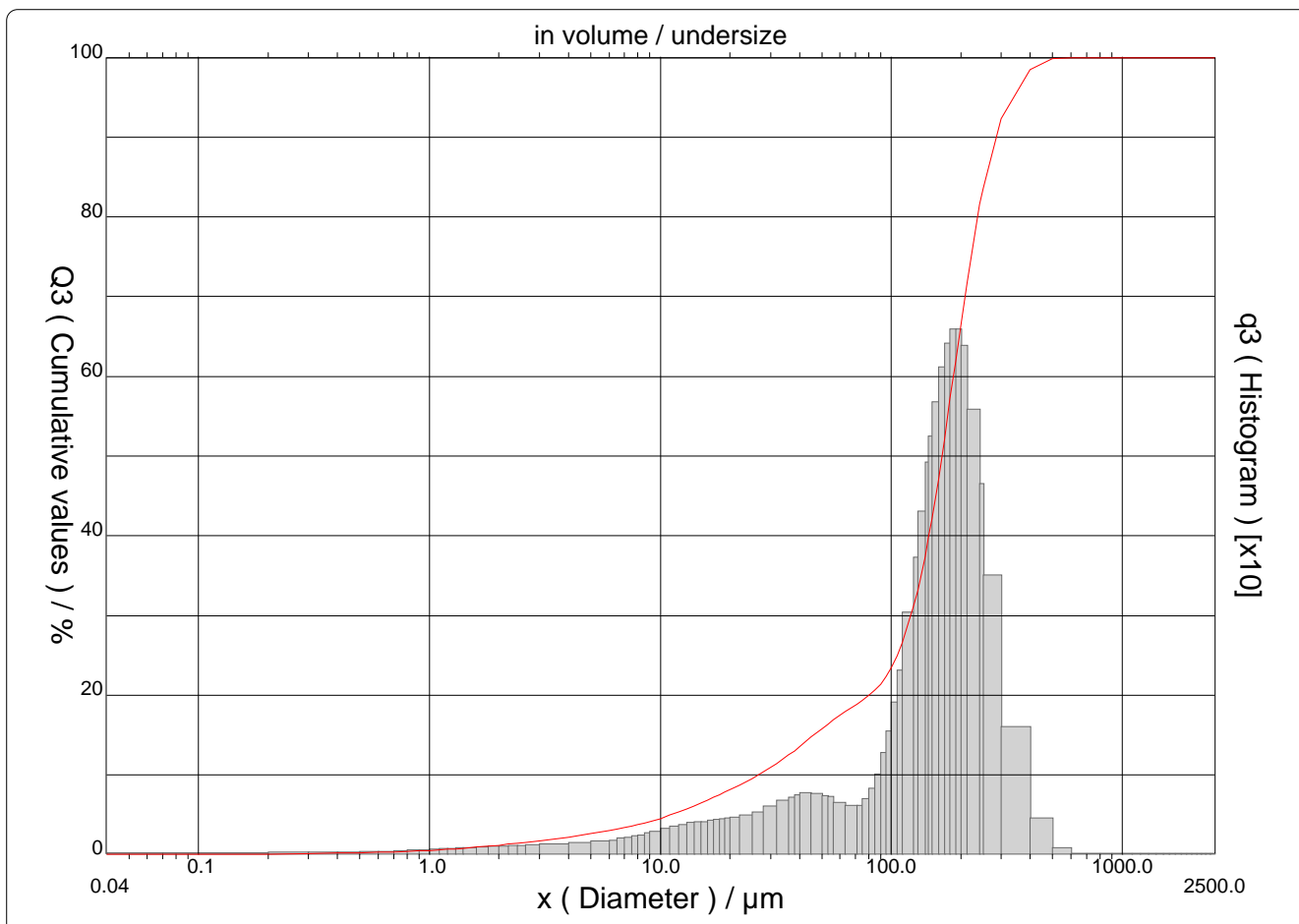
### Customer defined classes

### 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	2.17	17.80	21.08	31.13	55.65	83.64	96.47	99.83	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-01\_44-46cm  
Sample Name :  
Sample type : Mixed  
Comments :  
Liquid : Water (eau)  
Dispersing agent :  
Operator : Olivia  
Company :  
Location :  
Date : 07/05/2023 Time : 03:15:07PM  
Index meas. : 2914  
Database name : Granulog

Ultrasounds : 15 s (+during)  
Obscuration : 15 %  
Diameter at 10% : 26.61 µm  
Diameter at 50% : 165.62 µm  
Diameter at 90% : 285.91 µm  
Mean diameter : 166.28 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	0.01	0.03	0.09	0.15	0.20	0.25	0.30	0.35	0.41
q3	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.02	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.47	0.53	0.60	0.67	0.74	0.81	0.94	1.07	1.20	1.32
q3	0.04	0.04	0.05	0.06	0.06	0.07	0.07	0.08	0.09	0.09
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.44	1.55	1.75	2.21	2.62	3.00	3.18	3.37	3.56	3.75
q3	0.10	0.10	0.10	0.12	0.14	0.15	0.17	0.19	0.20	0.22
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	3.94	4.14	4.54	4.94	5.34	5.73	6.12	6.49	6.84	7.18
q3	0.23	0.26	0.28	0.31	0.34	0.36	0.39	0.39	0.40	0.41
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	7.51	7.83	8.14	8.73	9.56	10.36	11.43	12.49	13.01	13.52
q3	0.42	0.44	0.44	0.46	0.48	0.52	0.59	0.66	0.71	0.73
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	14.73	15.81	16.38	16.91	17.93	18.91	19.36	19.96	20.63	21.40
q3	0.76	0.75	0.72	0.71	0.64	0.60	0.60	0.68	0.81	0.99
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	22.33	23.40	24.90	26.62	31.13	33.11	37.43	39.77	42.18	47.14
q3	1.27	1.54	1.89	2.30	3.02	3.72	4.29	4.91	5.23	5.66
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	52.16	57.13	61.96	66.54	71.58	81.59	83.64	92.28	98.50	99.83
q3	6.10	6.40	6.58	6.57	6.37	5.57	4.64	3.49	1.59	0.44
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	0.07	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-01\_46-48cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 03:22:29PM  
 Index meas. : 2915  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 19.44  $\mu\text{m}$   
 Diameter at 50% : 169.58  $\mu\text{m}$   
 Diameter at 90% : 297.68  $\mu\text{m}$   
 Mean diameter : 169.29  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

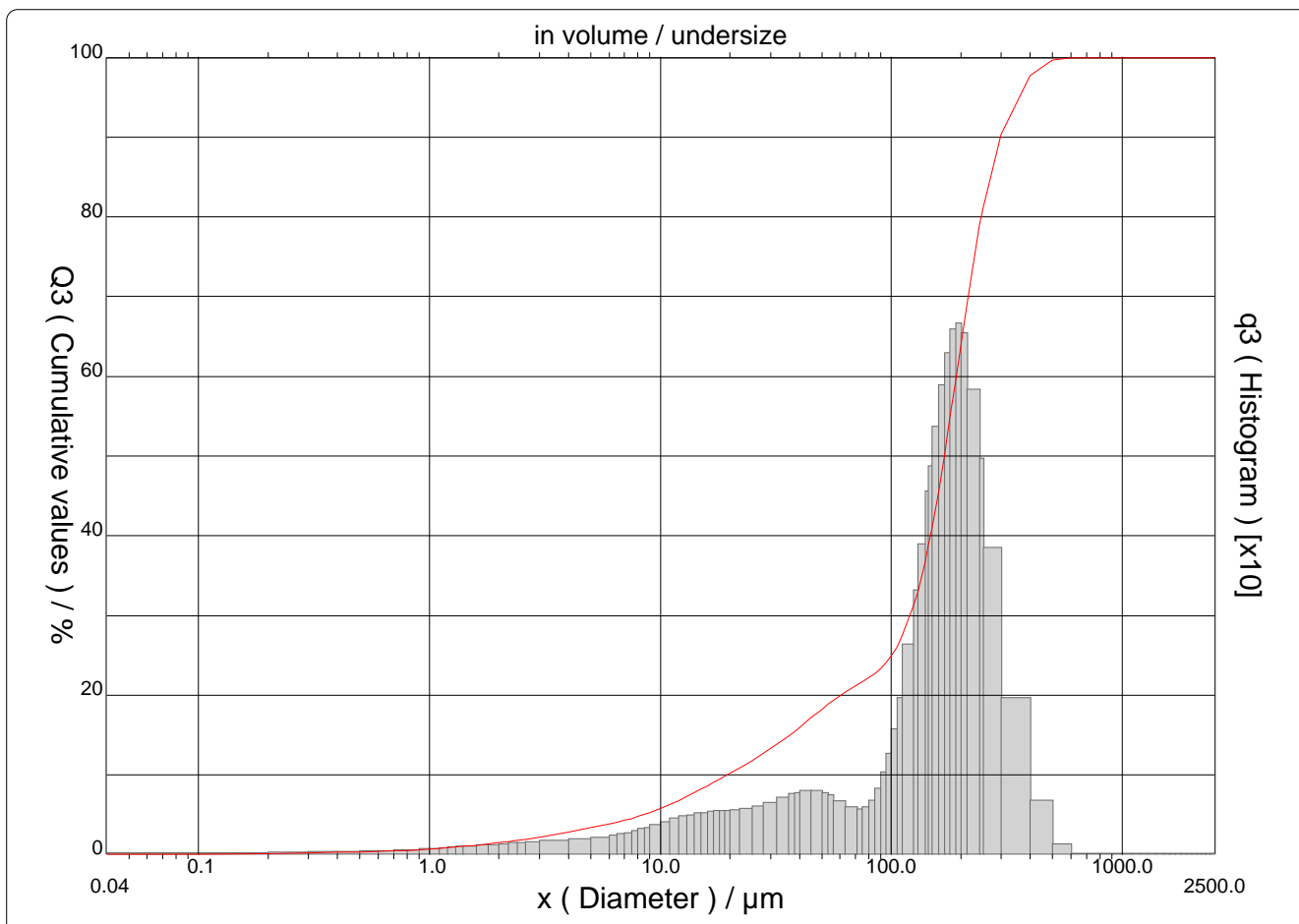
### Customer defined classes

### 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	2.77	20.26	23.08	31.27	53.48	81.22	95.19	99.72	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-01\_46-48cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 03:22:29PM  
 Index meas. : 2915  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 19.44 µm  
 Diameter at 50% : 169.58 µm  
 Diameter at 90% : 297.68 µm  
 Mean diameter : 169.29 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	0.13	0.20	0.28	0.35	0.42	0.48	0.55
q3	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.03	0.03	0.04
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.62	0.70	0.78	0.86	0.94	1.03	1.19	1.36	1.51	1.66
q3	0.05	0.06	0.06	0.07	0.08	0.09	0.09	0.11	0.11	0.12
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.81	1.95	2.22	2.82	3.36	3.85	4.09	4.33	4.56	4.80
q3	0.13	0.13	0.14	0.16	0.18	0.21	0.23	0.25	0.25	0.28
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	5.05	5.29	5.79	6.29	6.79	7.28	7.75	8.21	8.64	9.06
q3	0.31	0.32	0.36	0.40	0.44	0.47	0.48	0.51	0.51	0.53
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	9.46	9.84	10.20	10.88	11.82	12.70	13.82	14.91	15.44	15.95
q3	0.53	0.54	0.54	0.54	0.56	0.59	0.64	0.71	0.75	0.76
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	17.17	18.26	18.84	19.37	20.39	21.31	21.71	22.20	22.73	23.34
q3	0.79	0.79	0.76	0.73	0.66	0.59	0.56	0.58	0.67	0.81
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	24.06	24.90	26.09	27.50	31.27	32.97	36.74	38.83	40.99	45.52
q3	1.02	1.25	1.56	1.95	2.62	3.31	3.88	4.54	4.86	5.35
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	50.19	54.89	59.55	64.02	69.01	79.11	81.22	90.39	97.76	99.72
q3	5.88	6.27	6.57	6.65	6.53	5.82	4.95	3.84	1.95	0.67
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	0.12	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-01\_48-50cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 03:32:12PM  
 Index meas. : 2916  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 44.24  $\mu\text{m}$   
 Diameter at 50% : 184.28  $\mu\text{m}$   
 Diameter at 90% : 322.19  $\mu\text{m}$   
 Mean diameter : 190.26  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

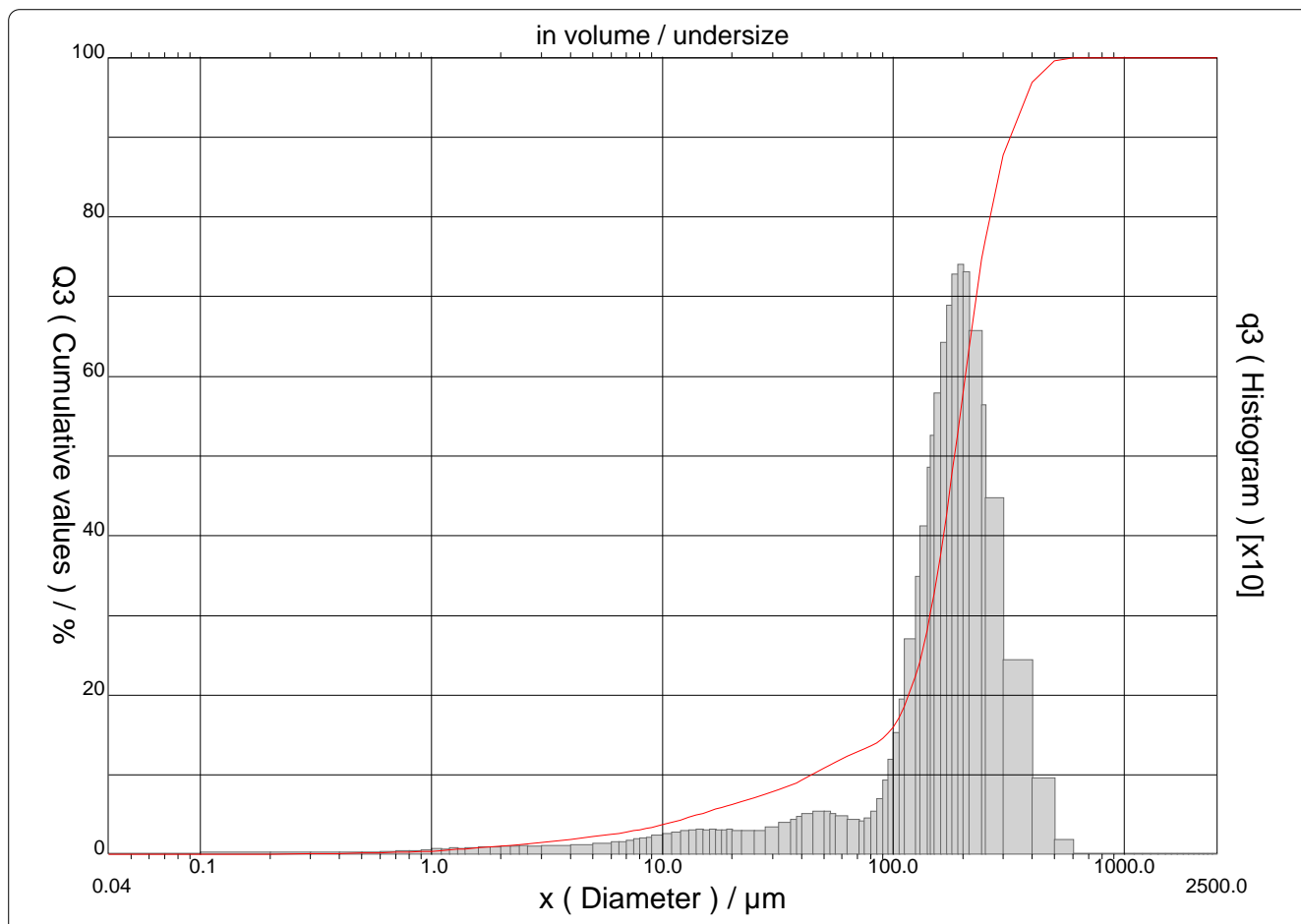
### Customer defined classes

### 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	1.89	12.24	14.36	22.41	46.22	77.13	93.55	99.60	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-01\_48-50cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 03:32:12PM  
 Index meas. : 2916  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 44.24 µm  
 Diameter at 50% : 184.28 µm  
 Diameter at 90% : 322.19 µm  
 Mean diameter : 190.26 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	0.00	0.00	0.09	0.14	0.18	0.21	0.25	0.30	0.35
q3	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.40	0.46	0.53	0.59	0.66	0.72	0.85	0.97	1.08	1.19
q3	0.03	0.04	0.06	0.05	0.07	0.06	0.07	0.08	0.08	0.09
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.29	1.39	1.56	1.93	2.25	2.55	2.70	2.84	2.99	3.14
q3	0.09	0.10	0.09	0.10	0.11	0.13	0.14	0.14	0.17	0.18
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	3.29	3.44	3.75	4.06	4.36	4.66	4.94	5.21	5.46	5.70
q3	0.19	0.20	0.23	0.25	0.26	0.29	0.29	0.30	0.30	0.30
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	5.92	6.13	6.33	6.68	7.16	7.58	8.15	8.74	9.04	9.35
q3	0.29	0.30	0.30	0.28	0.29	0.28	0.33	0.38	0.42	0.46
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	10.11	10.84	11.24	11.60	12.33	12.99	13.28	13.65	14.07	14.58
q3	0.49	0.53	0.53	0.50	0.47	0.42	0.41	0.44	0.53	0.68
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	15.23	16.02	17.17	18.56	22.41	24.19	28.16	30.38	32.70	37.57
q3	0.92	1.18	1.51	1.93	2.68	3.47	4.10	4.84	5.24	5.78
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	42.64	47.77	52.90	57.85	63.40	74.74	77.13	87.74	96.85	99.60
q3	6.40	6.87	7.26	7.39	7.29	6.56	5.63	4.46	2.42	0.94
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	0.17	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-01\_50-52cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 03:40:56PM  
 Index meas. : 2917  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 42.15  $\mu\text{m}$   
 Diameter at 50% : 190.69  $\mu\text{m}$   
 Diameter at 90% : 337.65  $\mu\text{m}$   
 Mean diameter : 196.87  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

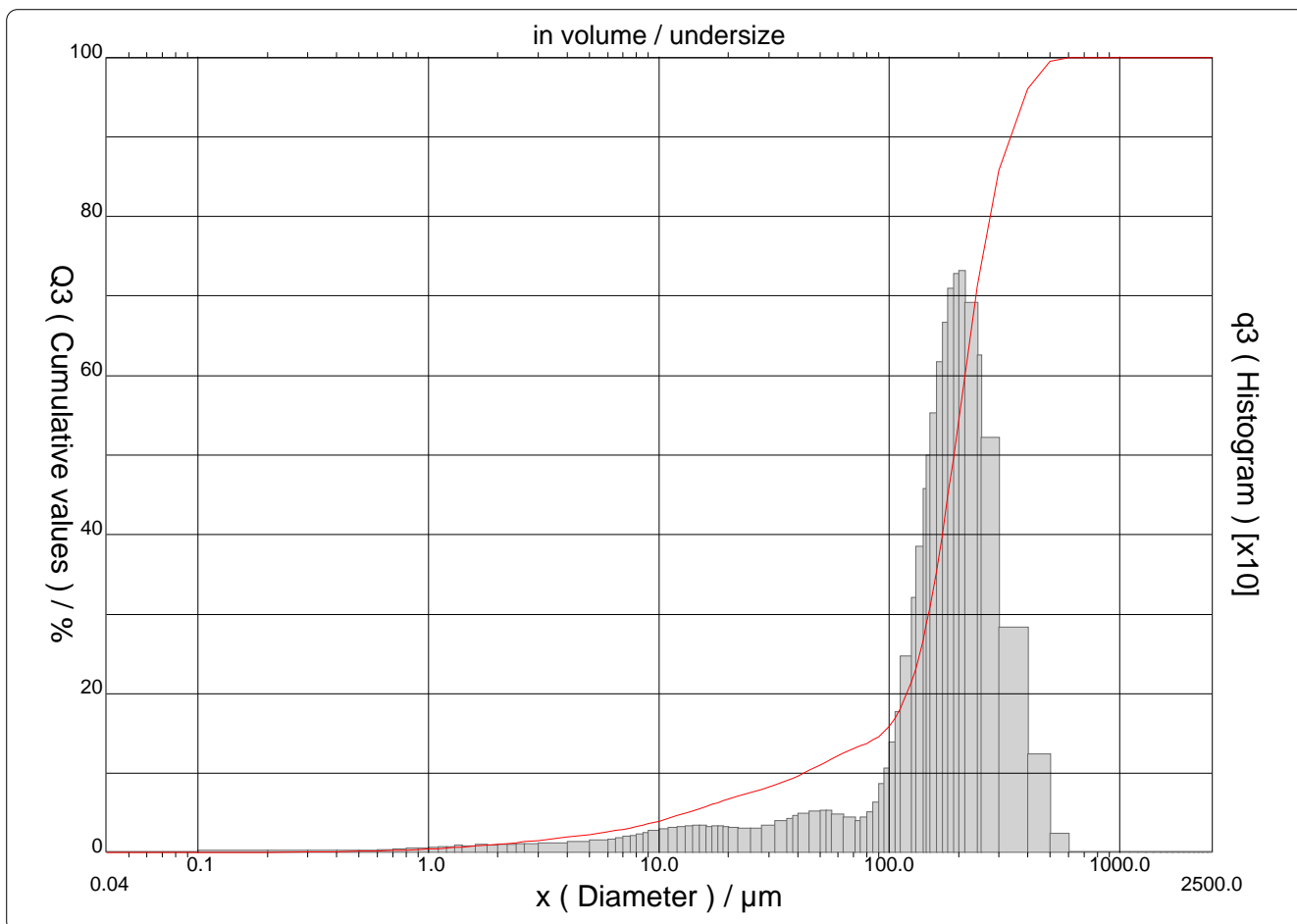
### Customer defined classes

### 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	1.93	12.43	14.43	21.52	43.40	73.83	92.32	99.48	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-01\_50-52cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 03:40:56PM  
 Index meas. : 2917  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 42.15 µm  
 Diameter at 50% : 190.69 µm  
 Diameter at 90% : 337.65 µm  
 Mean diameter : 196.87 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	0.00	0.00	0.09	0.14	0.18	0.21	0.25	0.30	0.35
q3	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.03	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.41	0.47	0.53	0.60	0.66	0.73	0.85	0.98	1.09	1.20
q3	0.04	0.05	0.05	0.06	0.06	0.07	0.07	0.09	0.08	0.09
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.30	1.40	1.58	1.97	2.32	2.65	2.81	2.97	3.14	3.30
q3	0.09	0.10	0.10	0.11	0.12	0.14	0.16	0.17	0.20	0.20
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	3.47	3.64	3.99	4.33	4.66	4.98	5.28	5.57	5.84	6.08
q3	0.22	0.24	0.26	0.28	0.30	0.32	0.32	0.33	0.33	0.31
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	6.31	6.53	6.73	7.09	7.57	7.99	8.54	9.11	9.39	9.68
q3	0.32	0.32	0.31	0.30	0.30	0.29	0.33	0.38	0.41	0.45
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	10.40	11.08	11.46	11.82	12.52	13.17	13.44	13.79	14.17	14.62
q3	0.48	0.51	0.52	0.52	0.47	0.43	0.39	0.43	0.50	0.62
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	15.20	15.88	16.89	18.11	21.52	23.10	26.69	28.71	30.84	35.33
q3	0.85	1.05	1.37	1.76	2.46	3.19	3.84	4.56	4.98	5.51
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	40.04	44.84	49.67	54.37	59.74	71.27	73.83	85.80	96.02	99.48
q3	6.16	6.65	7.08	7.26	7.30	6.90	6.24	5.20	2.81	1.23
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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-01\_52-54cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 03:52:46PM  
 Index meas. : 2918  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 41.73  $\mu\text{m}$   
 Diameter at 50% : 180.66  $\mu\text{m}$   
 Diameter at 90% : 316.50  $\mu\text{m}$   
 Mean diameter : 186.63  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

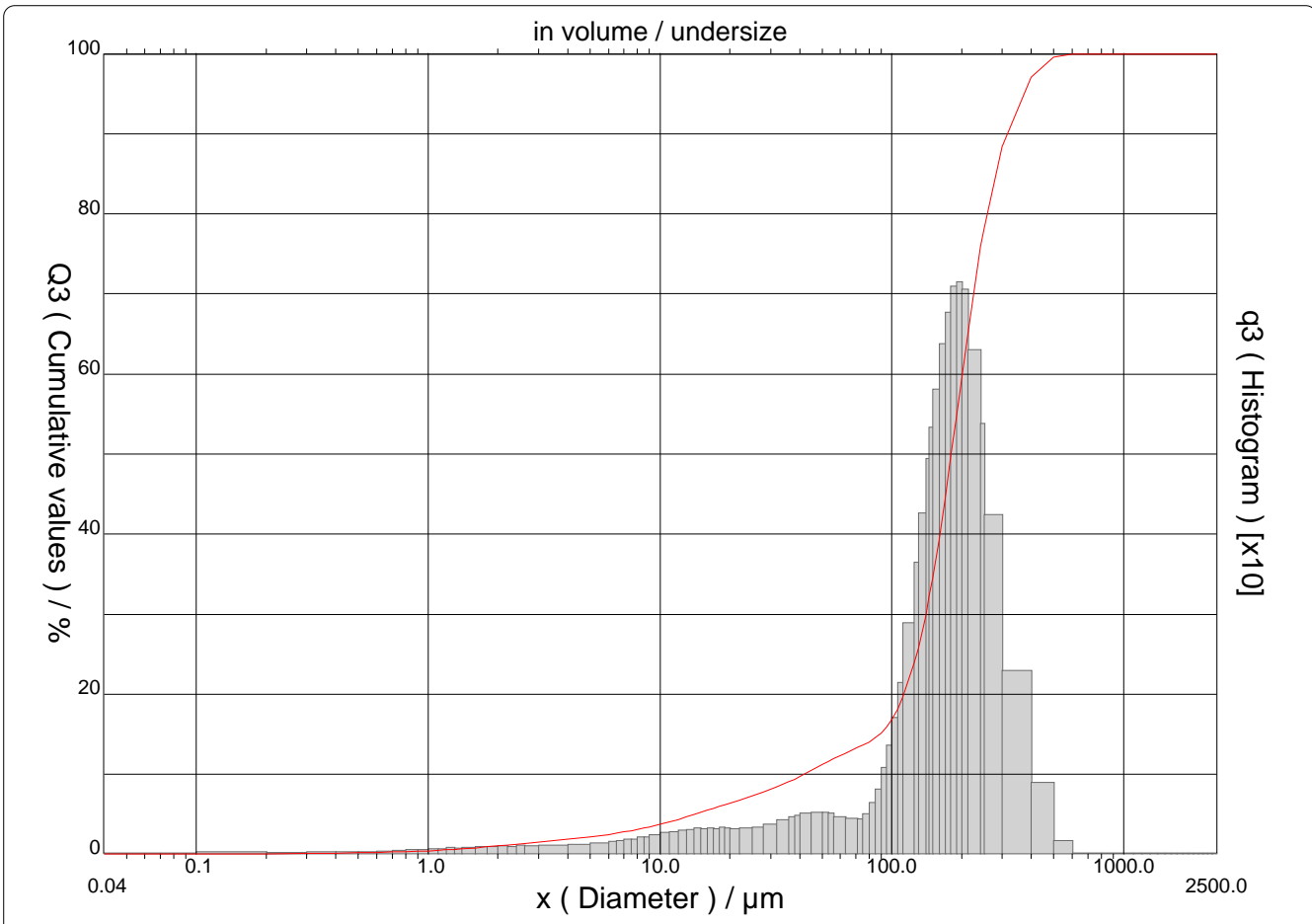
### Customer defined classes

### 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	1.84	12.57	14.91	23.86	48.13	78.22	93.93	99.62	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-01\_52-54cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 03:52:46PM  
 Index meas. : 2918  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 41.73 µm  
 Diameter at 50% : 180.66 µm  
 Diameter at 90% : 316.50 µm  
 Mean diameter : 186.63 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	0.00	0.00	0.09	0.13	0.17	0.20	0.24	0.28	0.33
q3	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.39	0.45	0.51	0.57	0.64	0.70	0.82	0.94	1.05	1.16
q3	0.04	0.04	0.05	0.05	0.07	0.06	0.07	0.08	0.08	0.09
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.25	1.35	1.52	1.88	2.20	2.50	2.65	2.80	2.96	3.11
q3	0.08	0.09	0.09	0.09	0.11	0.12	0.14	0.15	0.18	0.18
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	3.27	3.42	3.74	4.06	4.37	4.67	4.96	5.24	5.50	5.75
q3	0.20	0.20	0.23	0.25	0.27	0.28	0.30	0.31	0.31	0.31
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	5.98	6.21	6.42	6.80	7.33	7.81	8.44	9.08	9.40	9.72
q3	0.30	0.32	0.31	0.30	0.31	0.32	0.36	0.41	0.45	0.47
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	10.50	11.21	11.60	11.96	12.66	13.34	13.65	14.07	14.57	15.17
q3	0.50	0.51	0.51	0.50	0.45	0.43	0.43	0.49	0.63	0.80
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	15.93	16.84	18.14	19.69	23.86	25.74	29.89	32.17	34.55	39.48
q3	1.07	1.34	1.69	2.13	2.88	3.63	4.24	4.92	5.32	5.79
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	44.57	49.66	54.71	59.54	64.95	75.92	78.22	88.39	97.04	99.62
q3	6.36	6.75	7.08	7.14	7.04	6.28	5.36	4.23	2.28	0.88
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	0.16	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-01\_54-56cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 04:00:07PM  
 Index meas. : 2919  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 27.02  $\mu\text{m}$   
 Diameter at 50% : 183.10  $\mu\text{m}$   
 Diameter at 90% : 334.42  $\mu\text{m}$   
 Mean diameter : 188.31  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

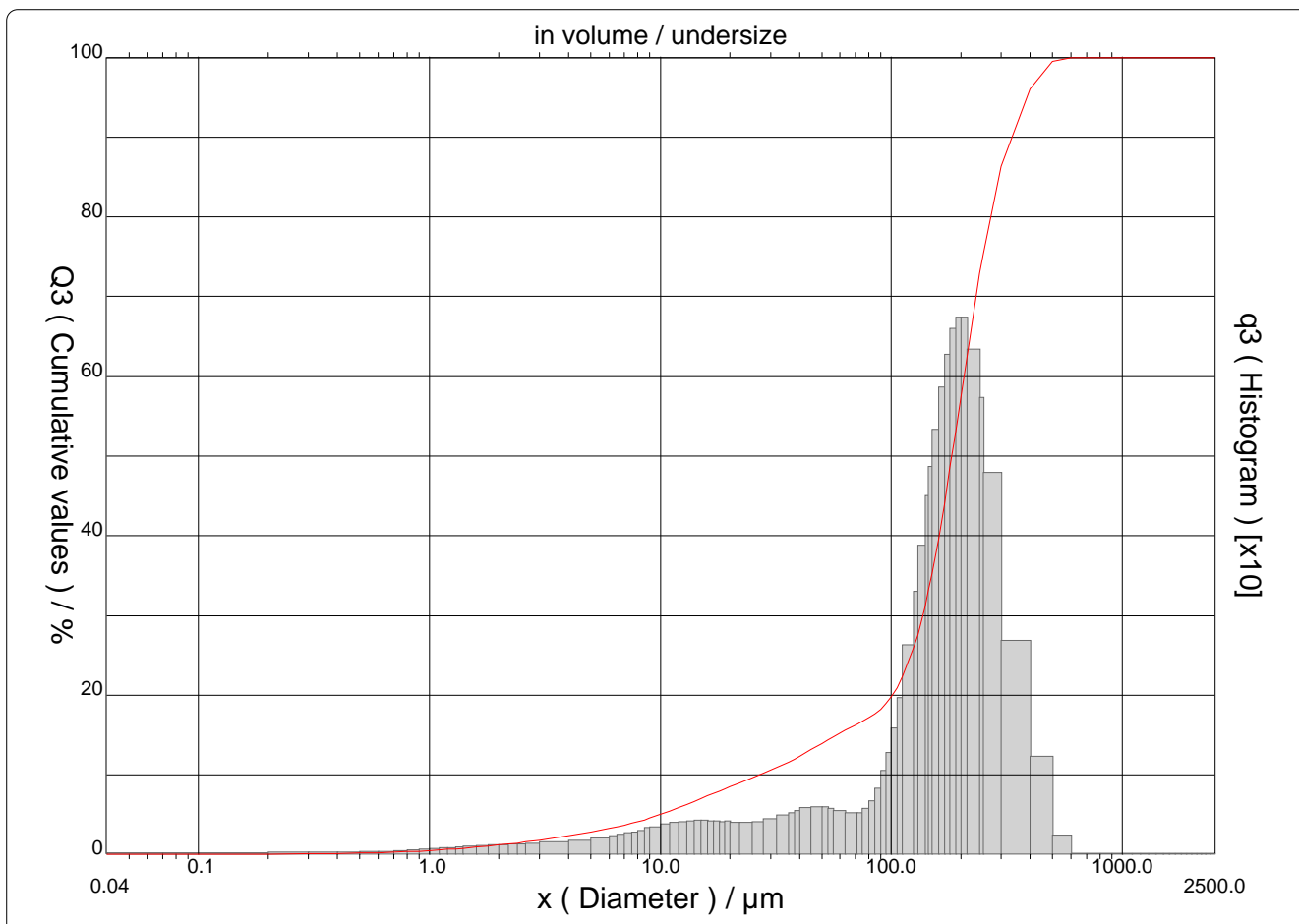
### Customer defined classes

### 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	2.30	15.47	17.99	25.92	47.23	75.32	92.47	99.48	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-01\_54-56cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 04:00:07PM  
 Index meas. : 2919  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 27.02 µm  
 Diameter at 50% : 183.10 µm  
 Diameter at 90% : 334.42 µm  
 Mean diameter : 188.31 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	0.01	0.03	0.08	0.13	0.18	0.22	0.27	0.32	0.38
q3	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.03	0.04
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.44	0.51	0.58	0.66	0.73	0.80	0.95	1.09	1.23	1.36
q3	0.04	0.05	0.06	0.07	0.07	0.07	0.09	0.09	0.11	0.11
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.49	1.61	1.84	2.35	2.82	3.27	3.49	3.71	3.93	4.15
q3	0.12	0.12	0.13	0.14	0.17	0.20	0.22	0.23	0.25	0.27
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	4.37	4.60	5.04	5.48	5.91	6.31	6.69	7.05	7.39	7.70
q3	0.29	0.32	0.33	0.37	0.39	0.40	0.41	0.41	0.42	0.40
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	7.99	8.26	8.52	8.99	9.61	10.18	10.91	11.62	11.97	12.32
q3	0.40	0.40	0.40	0.39	0.38	0.40	0.43	0.48	0.51	0.54
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	13.17	13.95	14.38	14.77	15.57	16.34	16.69	17.15	17.65	18.24
q3	0.57	0.59	0.58	0.56	0.54	0.51	0.51	0.56	0.65	0.82
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	18.95	19.77	20.93	22.29	25.92	27.55	31.17	33.16	35.24	39.58
q3	1.04	1.26	1.57	1.95	2.61	3.29	3.86	4.49	4.85	5.32
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	44.06	48.58	53.08	57.44	62.39	72.97	75.32	86.33	96.05	99.48
q3	5.85	6.26	6.58	6.72	6.72	6.32	5.72	4.78	2.67	1.22
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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-01\_56-58cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 04:09:58PM  
 Index meas. : 2920  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 25.54  $\mu\text{m}$   
 Diameter at 50% : 177.55  $\mu\text{m}$   
 Diameter at 90% : 319.54  $\mu\text{m}$   
 Mean diameter : 182.01  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

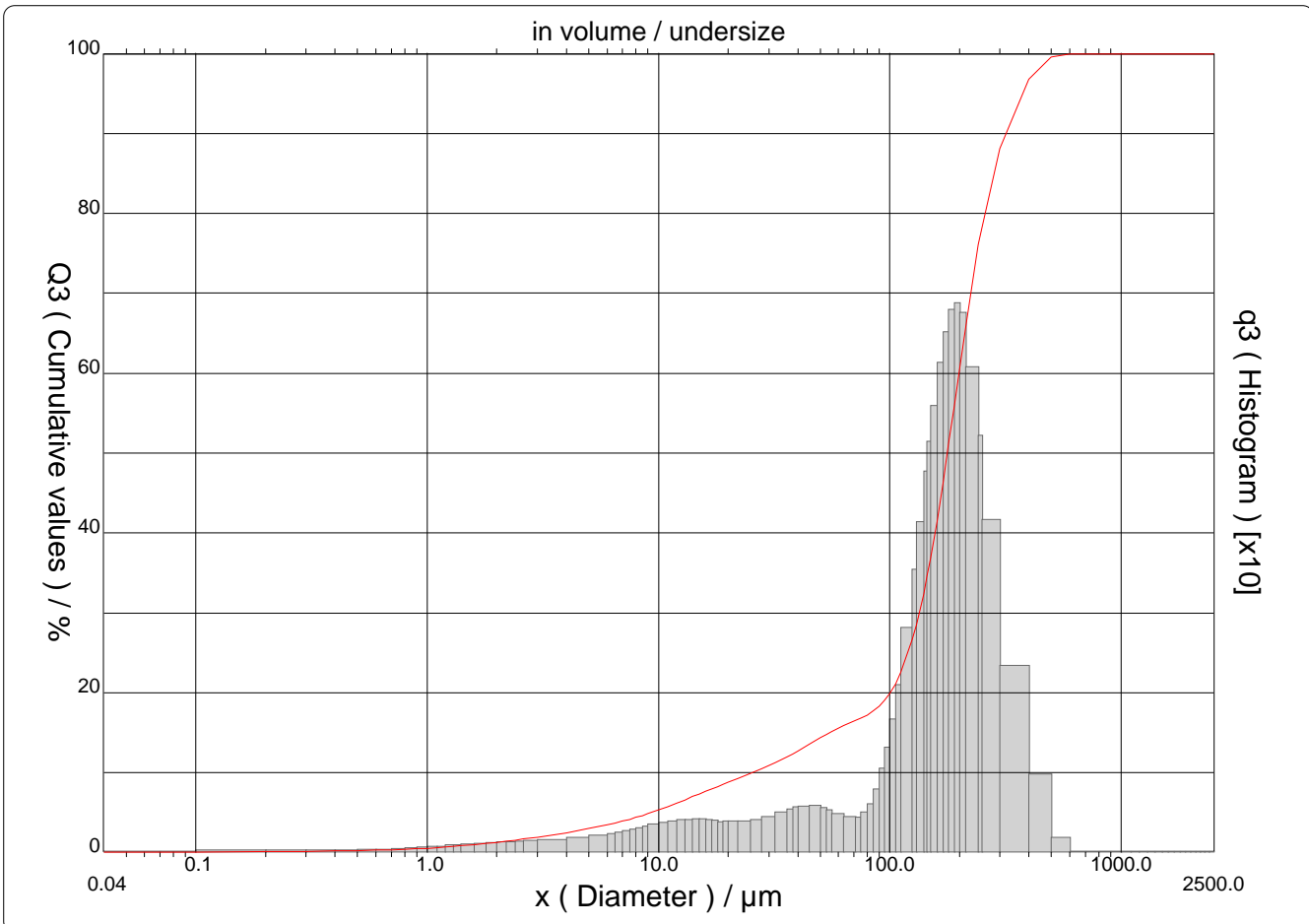
### Customer defined classes

### 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	2.45	15.77	18.04	26.63	49.71	78.25	93.60	99.59	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-01\_56-58cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 04:09:58PM  
 Index meas. : 2920  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 25.54 µm  
 Diameter at 50% : 177.55 µm  
 Diameter at 90% : 319.54 µm  
 Mean diameter : 182.01 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	0.00	0.00	0.10	0.15	0.19	0.24	0.29	0.34	0.40
q3	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.02	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.47	0.54	0.62	0.69	0.77	0.85	1.00	1.15	1.30	1.44
q3	0.05	0.05	0.06	0.06	0.08	0.08	0.09	0.10	0.11	0.11
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.57	1.70	1.95	2.50	3.01	3.49	3.72	3.95	4.18	4.41
q3	0.11	0.12	0.13	0.15	0.18	0.20	0.22	0.24	0.26	0.27
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	4.64	4.87	5.33	5.77	6.20	6.61	6.99	7.35	7.69	8.00
q3	0.29	0.31	0.34	0.36	0.38	0.39	0.39	0.40	0.41	0.39
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	8.29	8.55	8.80	9.27	9.89	10.47	11.22	11.97	12.34	12.71
q3	0.39	0.37	0.37	0.38	0.37	0.39	0.43	0.49	0.53	0.55
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	13.58	14.36	14.77	15.14	15.86	16.53	16.83	17.24	17.71	18.29
q3	0.57	0.57	0.54	0.52	0.47	0.43	0.42	0.49	0.60	0.78
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	19.02	19.89	21.14	22.63	26.63	28.43	32.40	34.57	36.83	41.51
q3	1.04	1.30	1.65	2.08	2.80	3.53	4.12	4.76	5.13	5.58
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	46.33	51.16	55.93	60.51	65.62	76.05	78.25	88.09	96.80	99.59
q3	6.11	6.50	6.78	6.87	6.74	6.06	5.20	4.15	2.33	0.96
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	0.17	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-01\_58-60cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 04:19:35PM  
 Index meas. : 2921  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 21 %  
 Diameter at 10% : 12.50  $\mu\text{m}$   
 Diameter at 50% : 153.36  $\mu\text{m}$   
 Diameter at 90% : 260.09  $\mu\text{m}$   
 Mean diameter : 147.63  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

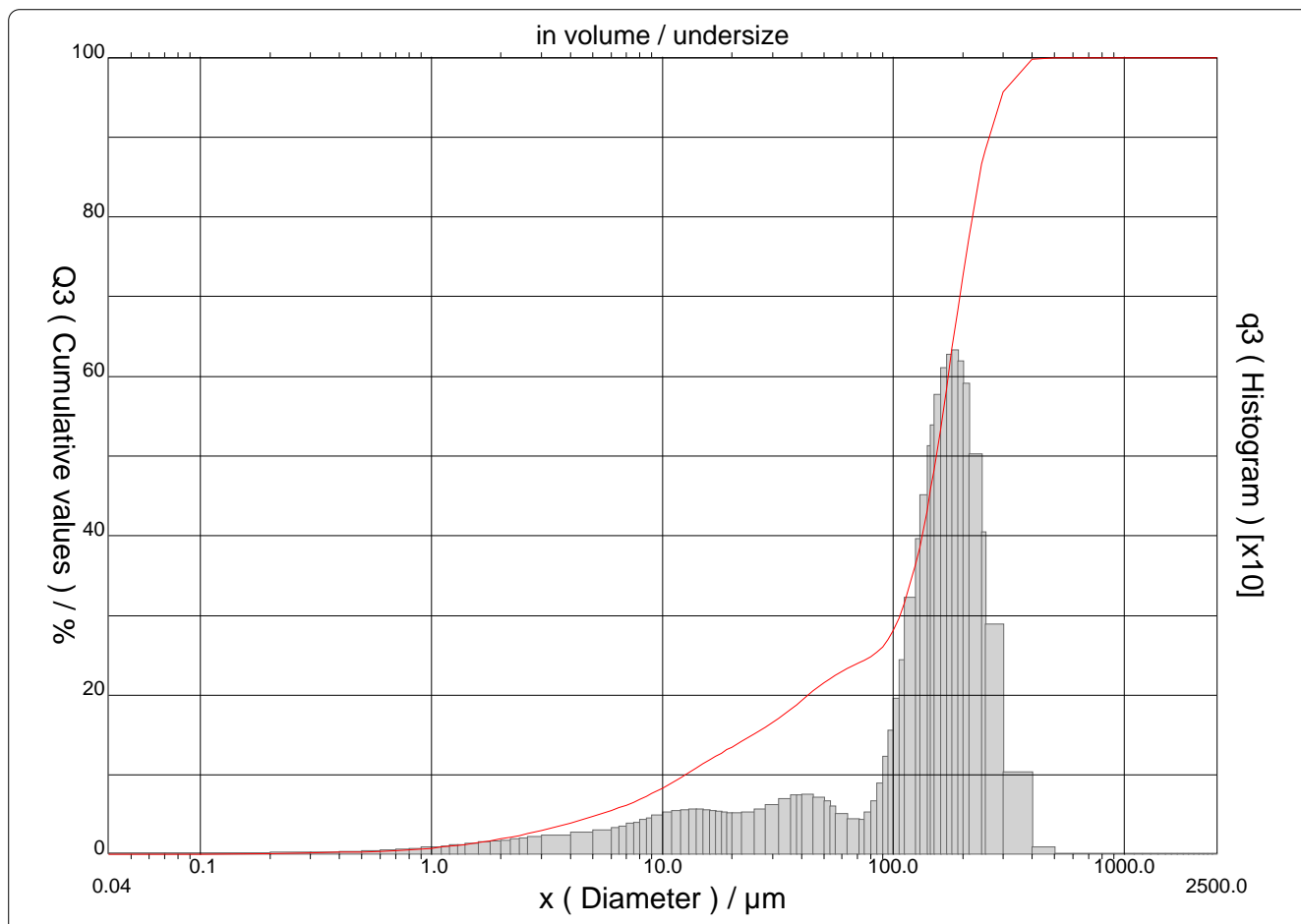
### Customer defined classes

### 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	3.88	23.24	25.79	36.43	62.02	88.42	98.67	100.00	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-01\_58-60cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 04:19:35PM  
 Index meas. : 2921  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 21 %  
 Diameter at 10% : 12.50 µm  
 Diameter at 50% : 153.36 µm  
 Diameter at 90% : 260.09 µm  
 Mean diameter : 147.63 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	0.04	0.12	0.21	0.28	0.36	0.44	0.53	0.62
q3	0.00	0.00	0.00	0.01	0.02	0.02	0.03	0.03	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	0.72	0.83	0.94	1.05	1.17	1.28	1.52	1.75	1.98	2.20
q3	0.06	0.08	0.08	0.09	0.11	0.11	0.13	0.14	0.16	0.17
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	2.42	2.63	3.04	3.96	4.78	5.53	5.89	6.24	6.60	6.95
q3	0.18	0.19	0.21	0.23	0.26	0.30	0.32	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	7.31	7.66	8.36	9.04	9.69	10.30	10.87	11.40	11.89	12.34
q3	0.43	0.44	0.48	0.51	0.54	0.55	0.55	0.55	0.55	0.53
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	12.76	13.15	13.51	14.18	15.10	15.97	17.11	18.23	18.78	19.30
q3	0.53	0.52	0.51	0.51	0.52	0.55	0.61	0.68	0.73	0.73
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	20.51	21.54	22.07	22.52	23.34	24.06	24.38	24.84	25.39	26.09
q3	0.74	0.70	0.65	0.59	0.50	0.43	0.42	0.51	0.65	0.88
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	27.00	28.10	29.67	31.53	36.43	38.58	43.21	45.70	48.23	53.39
q3	1.21	1.54	1.94	2.43	3.21	3.95	4.50	5.11	5.37	5.76
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	58.52	63.49	68.23	72.63	77.40	86.60	88.42	95.70	99.76	100.00
q3	6.09	6.26	6.31	6.18	5.89	5.01	4.03	2.88	1.02	0.08
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



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-01\_60-62cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 04:41:27PM  
 Index meas. : 2922  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 17 %  
 Diameter at 10% : 8.00  $\mu\text{m}$   
 Diameter at 50% : 137.02  $\mu\text{m}$   
 Diameter at 90% : 241.96  $\mu\text{m}$   
 Mean diameter : 128.76  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

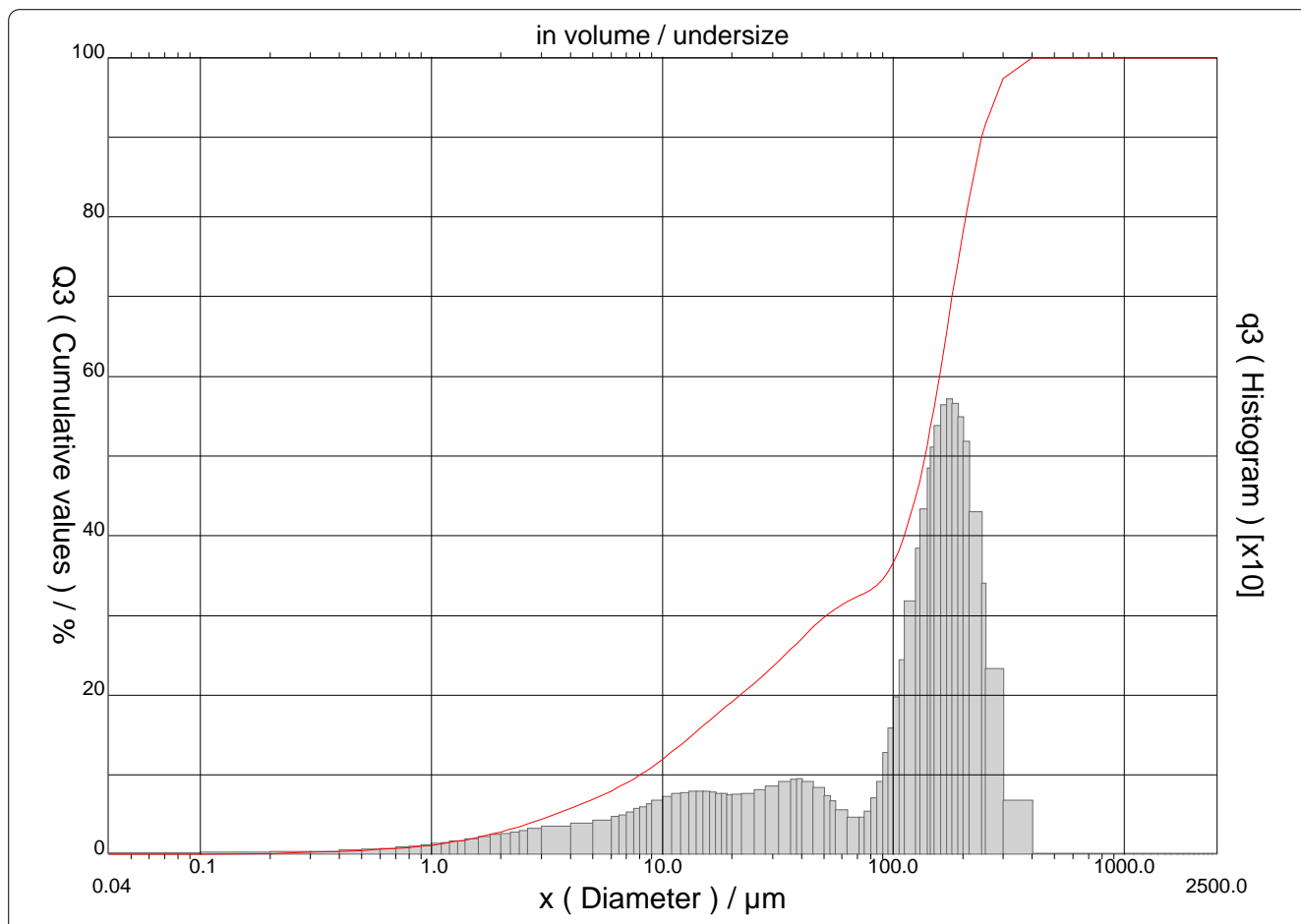
### Customer defined classes

### 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	5.67	31.59	34.23	44.80	68.63	91.53	99.39	100.00	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-01\_60-62cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 04:41:27PM  
 Index meas. : 2922  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 17 %  
 Diameter at 10% : 8.00 µm  
 Diameter at 50% : 137.02 µm  
 Diameter at 90% : 241.96 µm  
 Mean diameter : 128.76 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	0.18	0.31	0.42	0.54	0.66	0.78	0.92
q3	0.00	0.00	0.01	0.01	0.02	0.03	0.04	0.05	0.06	0.08
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	1.06	1.21	1.37	1.53	1.70	1.86	2.20	2.54	2.88	3.21
q3	0.09	0.10	0.12	0.13	0.15	0.16	0.18	0.21	0.23	0.25
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	3.53	3.84	4.45	5.79	6.96	8.01	8.52	9.01	9.50	10.00
q3	0.27	0.28	0.31	0.34	0.38	0.42	0.46	0.48	0.52	0.56
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	10.49	10.98	11.95	12.89	13.79	14.63	15.43	16.17	16.86	17.50
q3	0.59	0.62	0.67	0.72	0.75	0.76	0.78	0.78	0.78	0.77
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	18.09	18.65	19.17	20.14	21.47	22.71	24.27	25.73	26.42	27.08
q3	0.75	0.75	0.74	0.74	0.75	0.79	0.85	0.90	0.93	0.93
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	28.54	29.74	30.32	30.82	31.70	32.44	32.78	33.25	33.83	34.54
q3	0.90	0.83	0.72	0.66	0.54	0.45	0.45	0.53	0.69	0.90
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	35.48	36.59	38.17	40.01	44.80	46.87	51.28	53.62	56.00	60.77
q3	1.26	1.57	1.97	2.42	3.16	3.83	4.32	4.84	5.09	5.36
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	65.47	69.96	74.17	78.04	82.19	90.01	91.53	97.35	100.00	100.00
q3	5.62	5.70	5.65	5.47	5.16	4.28	3.39	2.31	0.67	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

# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-01\_62-64cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/05/2023 Time : 04:49:08PM  
 Index meas. : 2923  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 10.20  $\mu\text{m}$   
 Diameter at 50% : 152.38  $\mu\text{m}$   
 Diameter at 90% : 261.53  $\mu\text{m}$   
 Mean diameter : 145.85  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

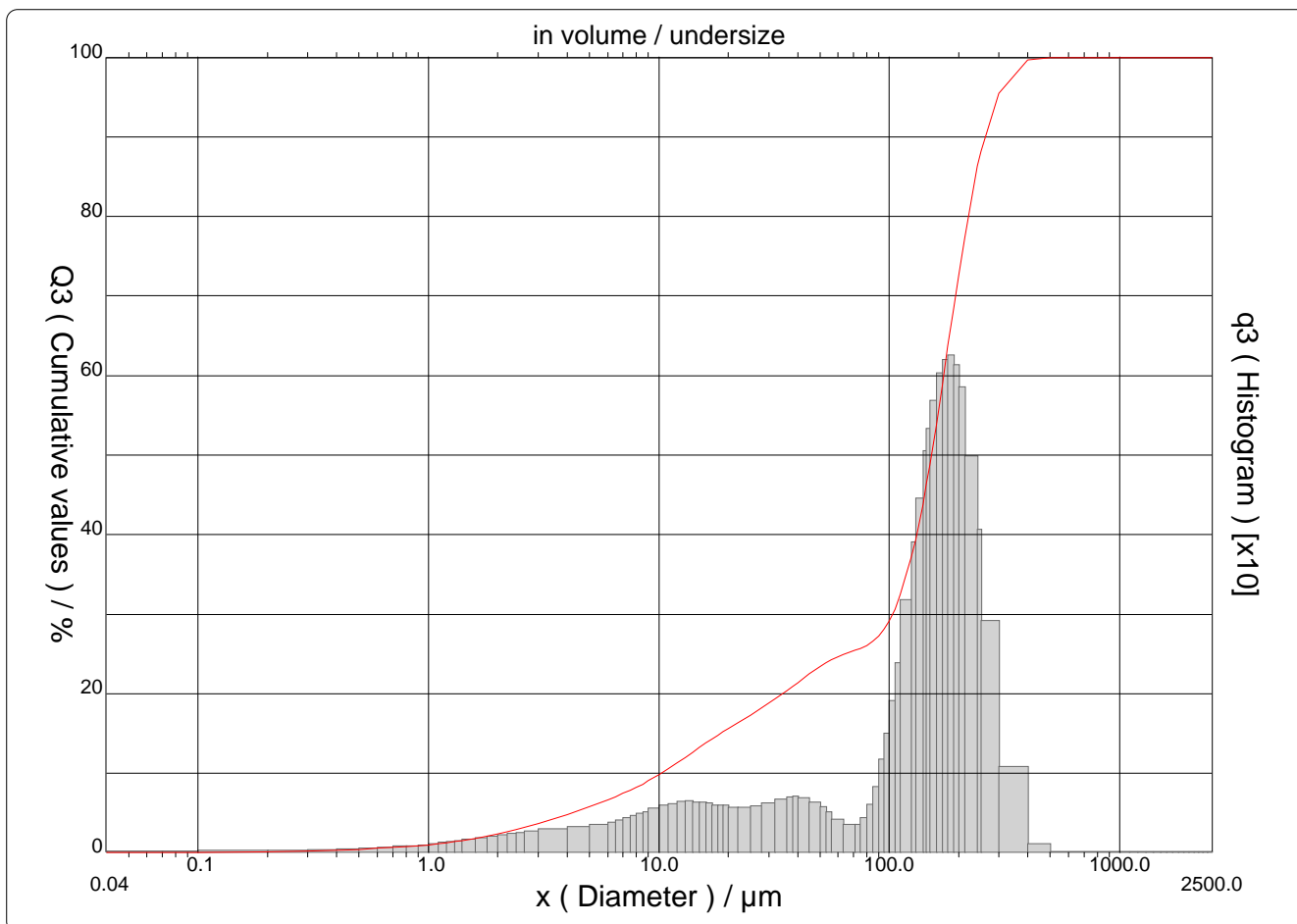
### Customer defined classes

### 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	4.73	24.81	26.94	37.23	62.26	88.20	98.54	100.00	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-01\_62-64cm  
Sample Name :  
Sample type : Mixed  
Comments :  
Liquid : Water (eau)  
Dispersing agent :  
Operator : Olivia  
Company :  
Location :  
Date : 07/05/2023 Time : 04:49:08PM  
Index meas. : 2923  
Database name : Granulog

Ultrasounds : 15 s (+during)  
Obscuration : 15 %  
Diameter at 10% : 10.20 µm  
Diameter at 50% : 152.38 µm  
Diameter at 90% : 261.53 µm  
Mean diameter : 145.85 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	0.16	0.26	0.36	0.46	0.56	0.66	0.78
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	0.90	1.02	1.15	1.29	1.43	1.57	1.86	2.14	2.42	2.69
q3	0.07	0.08	0.10	0.12	0.13	0.14	0.16	0.17	0.19	0.21
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	2.96	3.22	3.72	4.83	5.79	6.65	7.06	7.46	7.86	8.26
q3	0.23	0.24	0.25	0.28	0.31	0.34	0.37	0.39	0.42	0.45
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	8.66	9.05	9.84	10.60	11.32	12.01	12.66	13.25	13.80	14.31
q3	0.48	0.50	0.54	0.58	0.60	0.63	0.64	0.62	0.62	0.61
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	14.77	15.20	15.61	16.34	17.32	18.22	19.35	20.41	20.92	21.41
q3	0.58	0.58	0.58	0.56	0.56	0.58	0.62	0.65	0.69	0.69
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	22.51	23.41	23.86	24.24	24.89	25.45	25.71	26.09	26.58	27.22
q3	0.68	0.62	0.56	0.50	0.40	0.34	0.34	0.43	0.59	0.81
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	28.08	29.13	30.65	32.45	37.23	39.33	43.86	46.29	48.77	53.81
q3	1.16	1.49	1.90	2.38	3.16	3.89	4.44	5.03	5.32	5.68
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	58.83	63.69	68.33	72.65	77.33	86.39	88.20	95.48	99.70	100.00
q3	6.02	6.18	6.24	6.12	5.84	4.98	4.04	2.90	1.07	0.10
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

# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-05\_0-2cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 10:12:31AM  
 Index meas. : 2924  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 13 %  
 Diameter at 10% : 13.42  $\mu\text{m}$   
 Diameter at 50% : 142.70  $\mu\text{m}$   
 Diameter at 90% : 262.04  $\mu\text{m}$   
 Mean diameter : 140.99  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

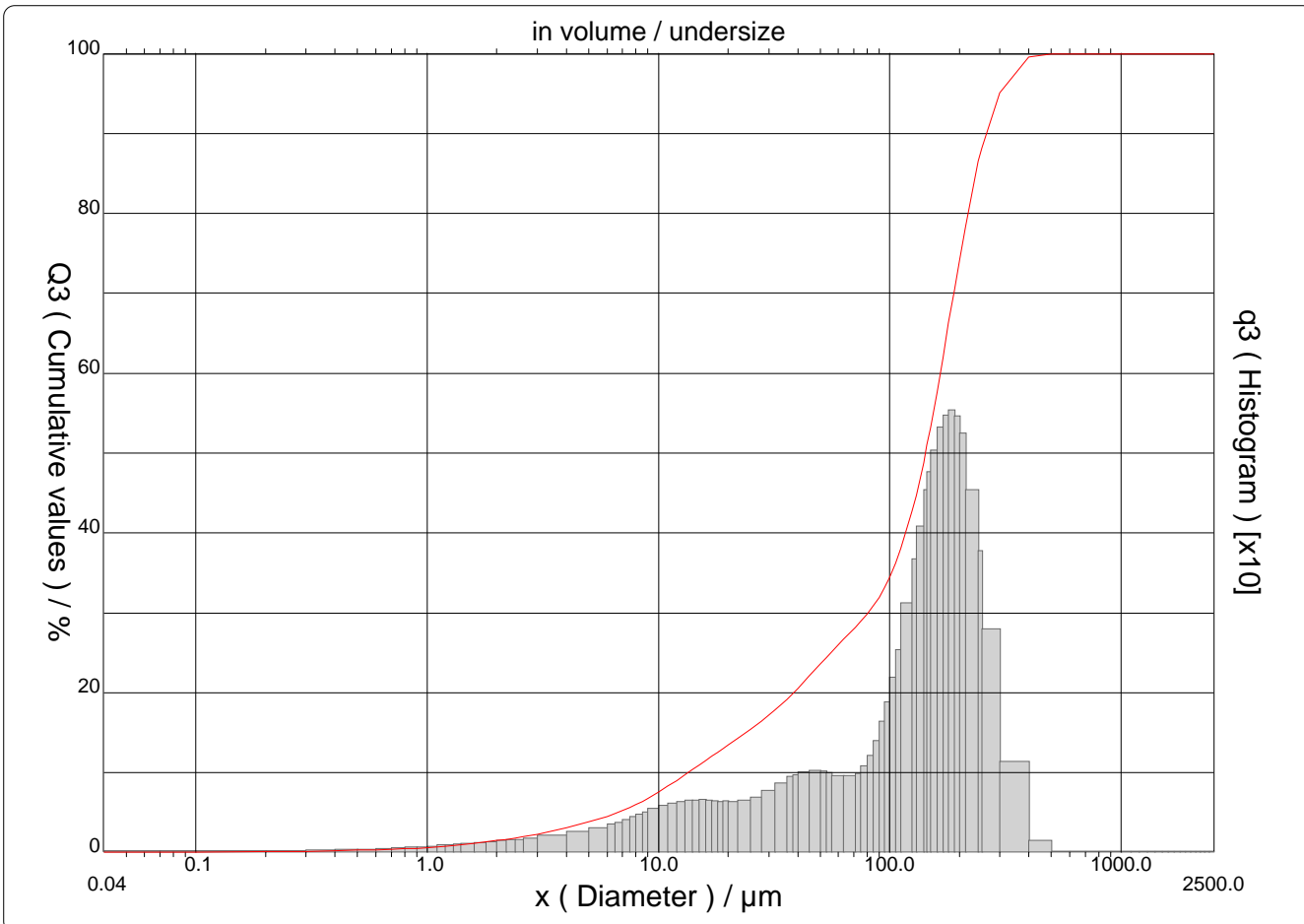
### Customer defined classes

### 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	3.01	26.46	31.50	42.74	65.02	88.21	98.29	100.00	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-05\_0-2cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 10:12:31AM  
 Index meas. : 2924  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 13 %  
 Diameter at 10% : 13.42 µm  
 Diameter at 50% : 142.70 µm  
 Diameter at 90% : 262.04 µm  
 Mean diameter : 140.99 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	0.03	0.05	0.11	0.16	0.22	0.28	0.34	0.40	0.47
q3	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.02	0.03	0.04
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.55	0.63	0.71	0.80	0.89	0.98	1.16	1.33	1.50	1.67
q3	0.05	0.06	0.06	0.08	0.08	0.09	0.10	0.11	0.12	0.13
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.84	2.00	2.32	3.09	3.83	4.56	4.93	5.29	5.66	6.04
q3	0.14	0.15	0.16	0.20	0.24	0.29	0.34	0.36	0.39	0.43
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	6.42	6.80	7.57	8.32	9.04	9.72	10.37	10.97	11.54	12.07
q3	0.46	0.49	0.53	0.58	0.61	0.62	0.64	0.64	0.65	0.64
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	12.56	13.02	13.46	14.27	15.39	16.44	17.82	19.19	19.88	20.55
q3	0.63	0.62	0.63	0.62	0.64	0.68	0.76	0.85	0.93	0.96
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	22.15	23.60	24.40	25.14	26.66	28.20	28.93	29.87	30.86	31.94
q3	0.99	1.01	1.00	0.98	0.94	0.94	0.97	1.07	1.19	1.38
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	33.14	34.45	36.18	38.08	42.74	44.70	48.82	50.99	53.19	57.62
q3	1.62	1.87	2.17	2.53	3.11	3.66	4.07	4.53	4.75	5.02
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	62.02	66.28	70.36	74.18	78.35	86.54	88.21	95.15	99.58	100.00
q3	5.31	5.45	5.52	5.45	5.24	4.53	3.76	2.79	1.13	0.14
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

# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-05\_2-4cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 10:20:04AM  
 Index meas. : 2925  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 11 %  
 Diameter at 10% : 9.02  $\mu\text{m}$   
 Diameter at 50% : 130.87  $\mu\text{m}$   
 Diameter at 90% : 255.43  $\mu\text{m}$   
 Mean diameter : 129.00  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

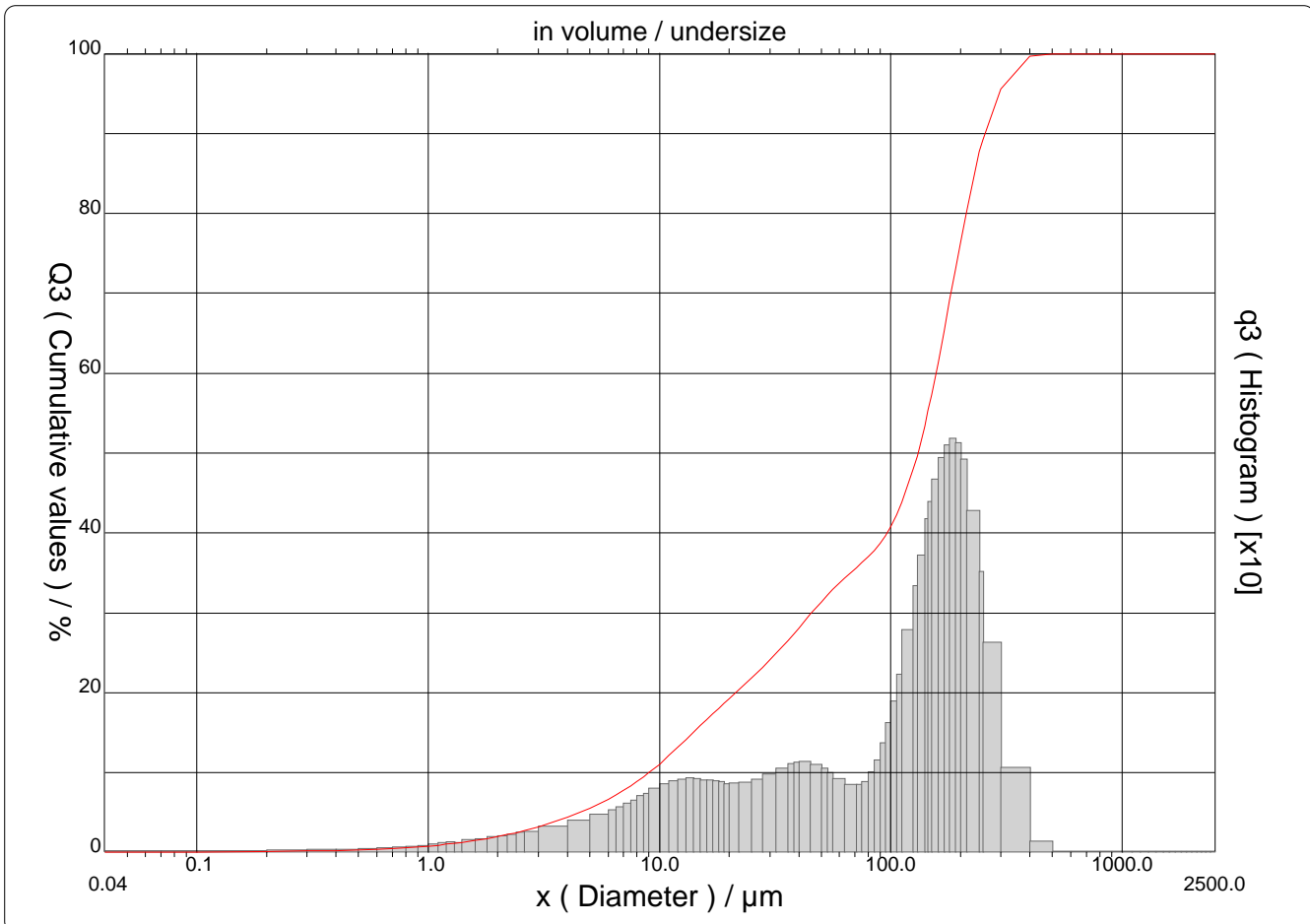
### Customer defined classes

### 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	4.28	34.14	38.33	47.93	68.00	89.25	98.47	100.00	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-05\_2-4cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 10:20:04AM  
 Index meas. : 2925  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 11 %  
 Diameter at 10% : 9.02  $\mu\text{m}$   
 Diameter at 50% : 130.87  $\mu\text{m}$   
 Diameter at 90% : 255.43  $\mu\text{m}$   
 Mean diameter : 129.00  $\mu\text{m}$   
 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	0.03	0.05	0.12	0.19	0.27	0.34	0.42	0.51	0.60
q3	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.03	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	1.03	1.15	1.26	1.51	1.75	2.00	2.24
q3	0.06	0.07	0.09	0.10	0.11	0.11	0.14	0.15	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	2.48	2.73	3.21	4.40	5.55	6.67	7.22	7.77	8.32	8.87
q3	0.21	0.23	0.25	0.31	0.39	0.46	0.51	0.56	0.60	0.64
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	9.43	9.98	11.09	12.16	13.18	14.14	15.05	15.89	16.66	17.38
q3	0.69	0.72	0.79	0.84	0.88	0.90	0.92	0.91	0.89	0.89
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	18.05	18.68	19.26	20.34	21.81	23.17	24.89	26.53	27.32	28.08
q3	0.88	0.87	0.85	0.85	0.86	0.90	0.96	1.04	1.09	1.11
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	29.84	31.37	32.18	32.90	34.33	35.66	36.27	37.02	37.82	38.69
q3	1.12	1.09	1.04	0.98	0.91	0.83	0.83	0.87	0.99	1.14
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	39.67	40.77	42.23	43.86	47.93	49.67	53.34	55.29	57.27	61.28
q3	1.36	1.61	1.88	2.22	2.78	3.32	3.71	4.16	4.37	4.65
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	65.27	69.15	72.88	76.38	80.20	87.73	89.25	95.61	99.63	100.00
q3	4.93	5.08	5.17	5.11	4.91	4.26	3.50	2.61	1.05	0.12
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 /  $\mu\text{m}$     Q3 : cumulative value / %    q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-05\_4-6cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 10:27:08AM  
 Index meas. : 2926  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 13 %  
 Diameter at 10% : 13.45  $\mu\text{m}$   
 Diameter at 50% : 151.69  $\mu\text{m}$   
 Diameter at 90% : 273.33  $\mu\text{m}$   
 Mean diameter : 149.78  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

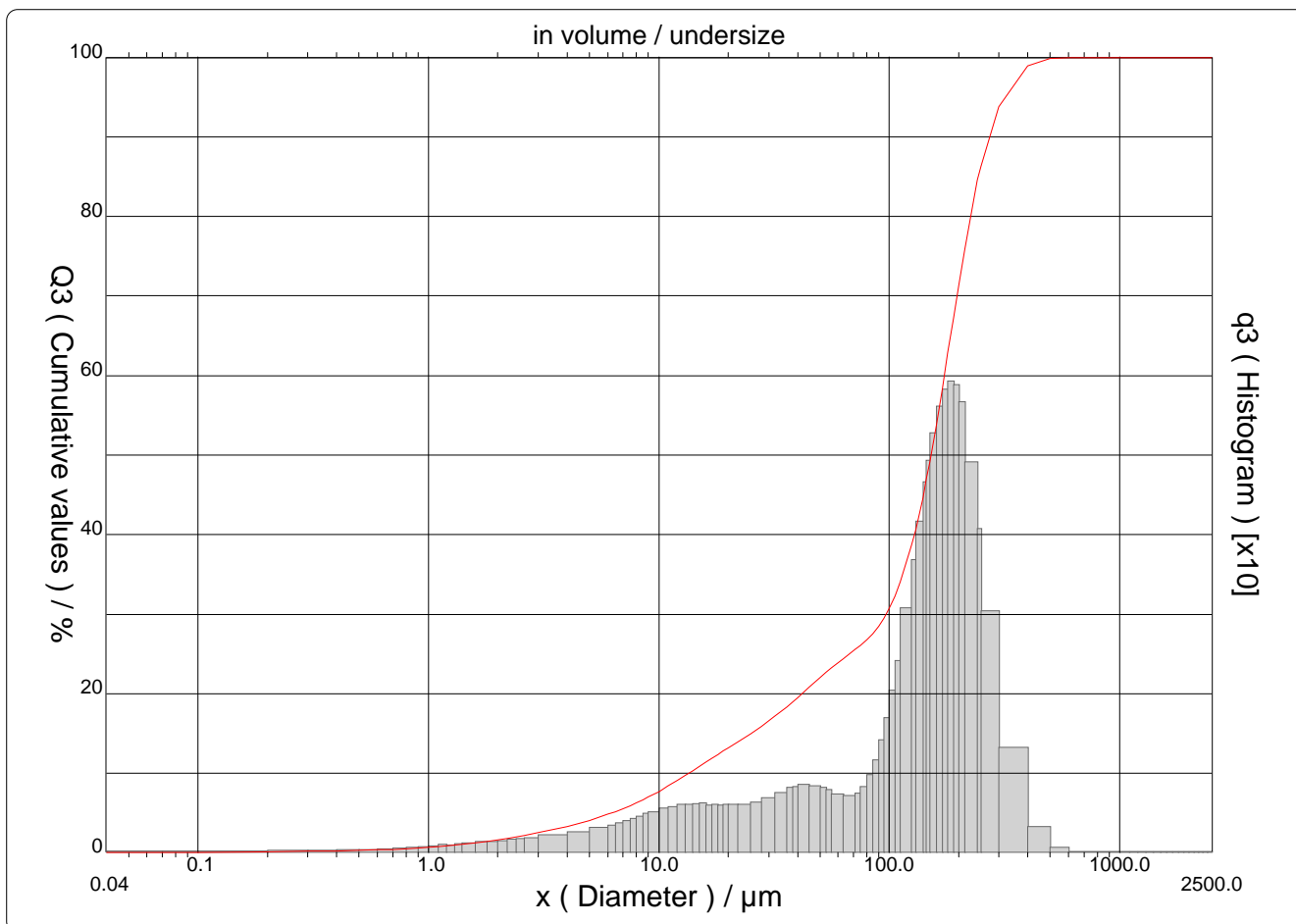
### Customer defined classes

### 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	3.26	24.24	28.09	38.61	61.56	86.34	97.31	99.88	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-05\_4-6cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 10:27:08AM  
 Index meas. : 2926  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 13 %  
 Diameter at 10% : 13.45 µm  
 Diameter at 50% : 151.69 µm  
 Diameter at 90% : 273.33 µm  
 Mean diameter : 149.78 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	0.06	0.13	0.20	0.26	0.33	0.39	0.46	0.54
q3	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.02	0.03	0.04
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.62	0.70	0.79	0.89	0.98	1.08	1.27	1.47	1.65	1.83
q3	0.05	0.06	0.07	0.08	0.08	0.10	0.11	0.13	0.13	0.14
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	2.01	2.19	2.53	3.34	4.10	4.85	5.21	5.57	5.93	6.29
q3	0.15	0.17	0.18	0.21	0.25	0.30	0.33	0.36	0.39	0.41
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	6.65	7.02	7.73	8.43	9.09	9.73	10.32	10.88	11.41	11.89
q3	0.44	0.48	0.50	0.54	0.56	0.59	0.59	0.60	0.61	0.58
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	12.35	12.78	13.19	13.95	14.97	15.92	17.15	18.34	18.93	19.50
q3	0.59	0.59	0.59	0.59	0.59	0.62	0.68	0.75	0.81	0.82
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	20.84	22.02	22.66	23.24	24.40	25.54	26.08	26.79	27.58	28.47
q3	0.84	0.83	0.81	0.78	0.73	0.70	0.73	0.81	0.96	1.15
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	29.50	30.67	32.27	34.06	38.61	40.56	44.73	46.94	49.20	53.80
q3	1.41	1.68	2.03	2.40	3.06	3.67	4.15	4.65	4.92	5.26
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	58.40	62.90	67.23	71.31	75.77	84.55	86.34	93.82	98.93	99.88
q3	5.60	5.81	5.91	5.87	5.65	4.90	4.06	3.03	1.31	0.31
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	0.05	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-05\_6-8cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 10:34:20AM  
 Index meas. : 2927  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 17.92  $\mu\text{m}$   
 Diameter at 50% : 156.50  $\mu\text{m}$   
 Diameter at 90% : 275.72  $\mu\text{m}$   
 Mean diameter : 155.96  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

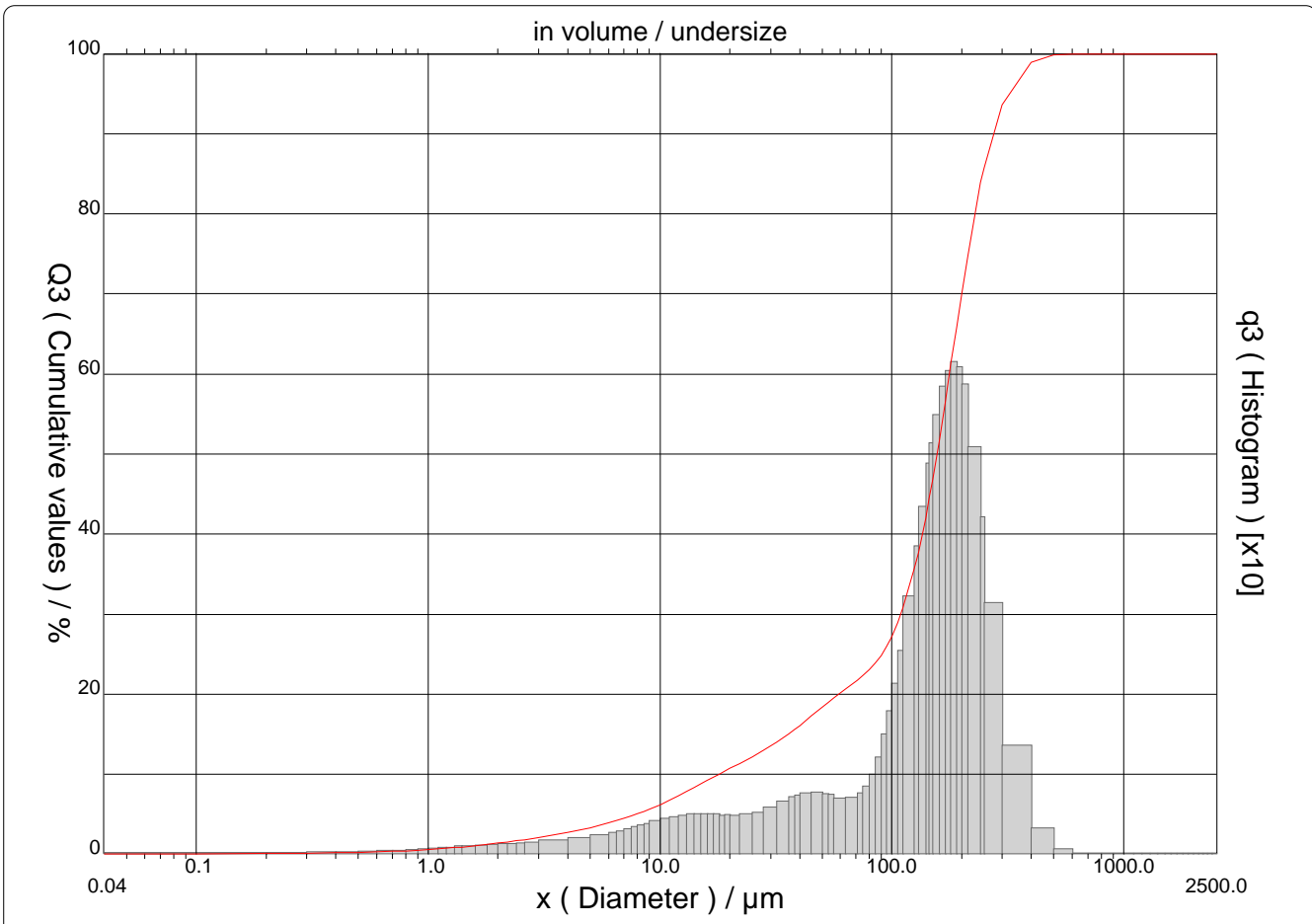
### Customer defined classes

### 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	2.68	20.52	24.47	35.64	59.82	85.80	97.25	99.88	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-05\_6-8cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 10:34:20AM  
 Index meas. : 2927  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 17.92 µm  
 Diameter at 50% : 156.50 µm  
 Diameter at 90% : 275.72 µm  
 Mean diameter : 155.96 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	0.03	0.05	0.11	0.16	0.22	0.27	0.33	0.39	0.45
q3	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.02	0.03	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.52	0.60	0.68	0.76	0.84	0.93	1.09	1.25	1.41	1.56
q3	0.04	0.06	0.06	0.07	0.07	0.09	0.09	0.10	0.11	0.11
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.70	1.84	2.11	2.75	3.34	3.92	4.20	4.48	4.77	5.06
q3	0.12	0.13	0.14	0.16	0.19	0.23	0.26	0.28	0.31	0.33
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	5.35	5.64	6.22	6.79	7.33	7.85	8.35	8.81	9.24	9.65
q3	0.35	0.37	0.40	0.44	0.45	0.47	0.49	0.49	0.49	0.49
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	10.03	10.38	10.72	11.34	12.19	12.98	14.03	15.08	15.60	16.11
q3	0.49	0.47	0.48	0.47	0.49	0.51	0.57	0.65	0.70	0.73
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	17.32	18.42	19.01	19.56	20.67	21.80	22.36	23.10	23.92	24.86
q3	0.75	0.76	0.74	0.73	0.69	0.69	0.75	0.84	0.99	1.20
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	25.96	27.21	28.90	30.81	35.64	37.70	42.10	44.44	46.82	51.66
q3	1.48	1.78	2.12	2.53	3.21	3.83	4.33	4.87	5.12	5.47
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	56.50	61.22	65.77	70.04	74.72	83.93	85.80	93.62	98.92	99.88
q3	5.83	6.03	6.14	6.08	5.86	5.08	4.20	3.13	1.34	0.31
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	0.05	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-05\_8-10cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 10:47:31AM  
 Index meas. : 2928  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 16.18  $\mu\text{m}$   
 Diameter at 50% : 155.54  $\mu\text{m}$   
 Diameter at 90% : 281.63  $\mu\text{m}$   
 Mean diameter : 155.98  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

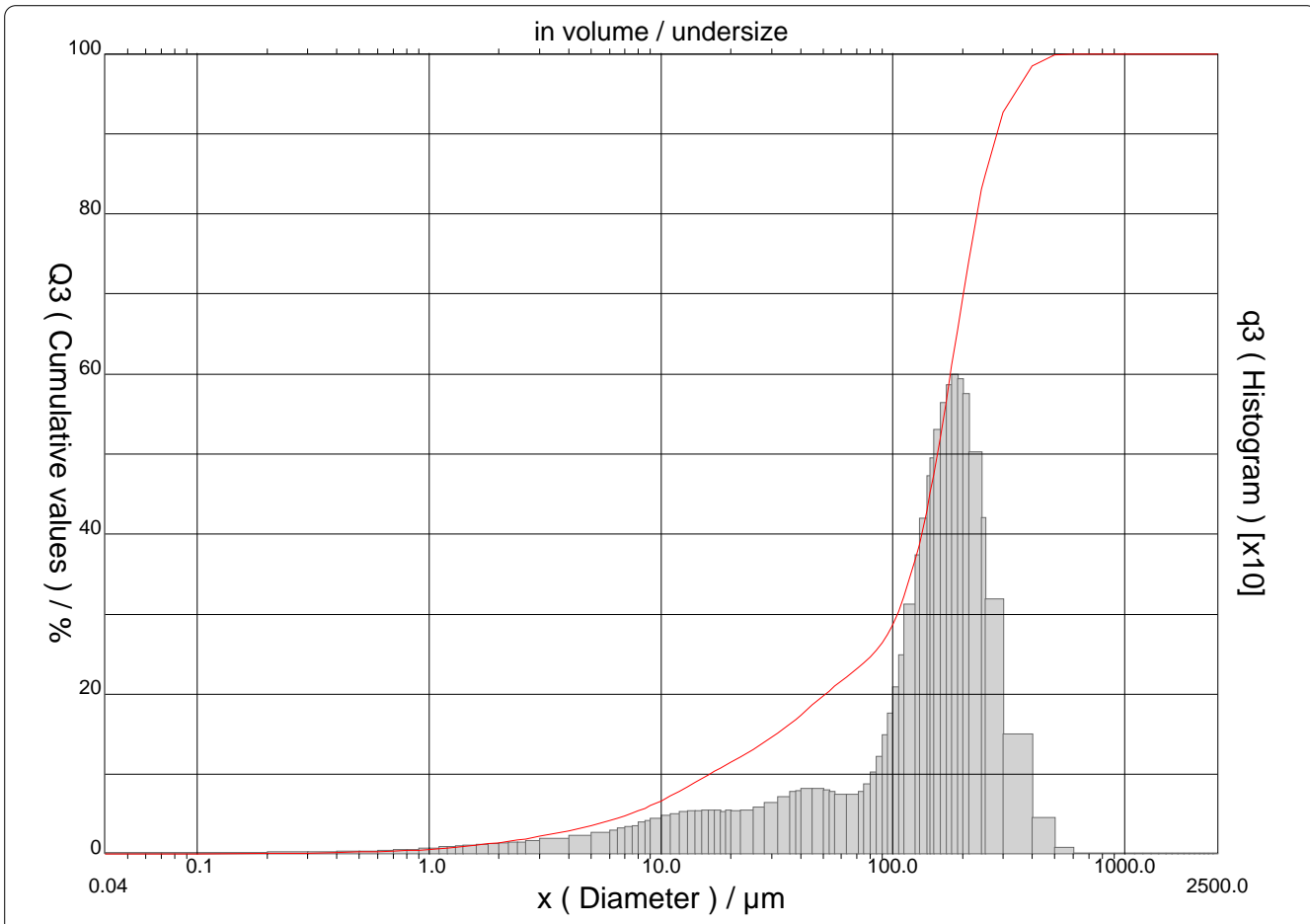
### Customer defined classes

### 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	2.86	21.99	26.01	36.77	59.79	84.89	96.56	99.82	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-05\_8-10cm  
Sample Name :  
Sample type : Mixed  
Comments :  
Liquid : Water (eau)  
Dispersing agent :  
Operator : Olivia  
Company :  
Location :  
Date : 07/13/2023 Time : 10:47:31AM  
Index meas. : 2928  
Database name : Granulog

Ultrasounds : 15 s (+during)  
Obscuration : 15 %  
Diameter at 10% : 16.18 µm  
Diameter at 50% : 155.54 µm  
Diameter at 90% : 281.63 µm  
Mean diameter : 155.98 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	0.06	0.11	0.17	0.23	0.29	0.35	0.41	0.48
q3	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.02	0.03	0.04
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.55	0.63	0.71	0.80	0.89	0.98	1.15	1.32	1.48	1.64
q3	0.04	0.06	0.06	0.08	0.08	0.09	0.09	0.11	0.11	0.12
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.80	1.95	2.24	2.93	3.58	4.20	4.51	4.82	5.13	5.43
q3	0.14	0.14	0.15	0.18	0.22	0.25	0.29	0.31	0.33	0.34
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	5.75	6.06	6.68	7.29	7.87	8.43	8.96	9.45	9.92	10.36
q3	0.39	0.40	0.44	0.47	0.49	0.52	0.53	0.53	0.54	0.54
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	10.77	11.15	11.52	12.20	13.13	14.01	15.15	16.27	16.83	17.37
q3	0.53	0.52	0.53	0.53	0.54	0.58	0.63	0.70	0.77	0.78
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	18.65	19.79	20.41	20.98	22.14	23.32	23.89	24.64	25.47	26.40
q3	0.81	0.80	0.79	0.77	0.73	0.73	0.77	0.86	1.01	1.21
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	27.48	28.69	30.32	32.16	36.77	38.74	42.92	45.15	47.41	52.02
q3	1.48	1.75	2.07	2.48	3.11	3.72	4.18	4.71	4.94	5.29
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	56.62	61.13	65.49	69.59	74.10	83.05	84.89	92.71	98.49	99.82
q3	5.62	5.85	5.97	5.92	5.73	5.01	4.19	3.18	1.49	0.44
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	0.07	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-05\_10-12cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 10:55:02AM  
 Index meas. : 2929  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 16 %  
 Diameter at 10% : 12.15  $\mu\text{m}$   
 Diameter at 50% : 138.87  $\mu\text{m}$   
 Diameter at 90% : 258.70  $\mu\text{m}$   
 Mean diameter : 137.42  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

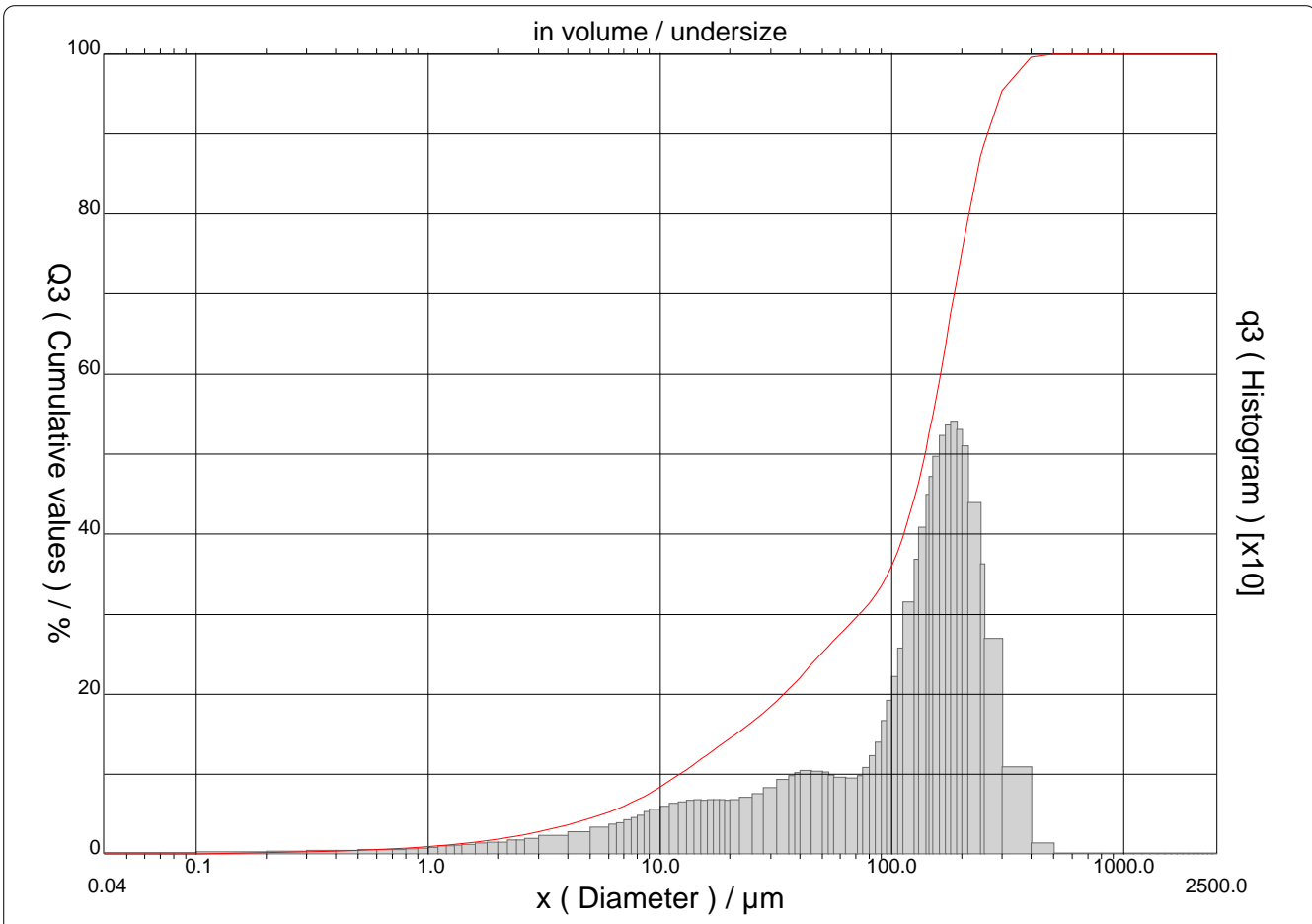
### Customer defined classes

### 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	3.59	28.02	33.03	44.39	66.34	88.75	98.39	100.00	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-05\_10-12cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 10:55:02AM  
 Index meas. : 2929  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 16 %  
 Diameter at 10% : 12.15 µm  
 Diameter at 50% : 138.87 µm  
 Diameter at 90% : 258.70 µm  
 Mean diameter : 137.42 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	0.07	0.19	0.30	0.41	0.51	0.61	0.70	0.78
q3	0.00	0.00	0.01	0.01	0.02	0.03	0.03	0.04	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	0.86	0.95	1.04	1.14	1.24	1.34	1.54	1.74	1.93	2.11
q3	0.05	0.06	0.07	0.08	0.09	0.10	0.11	0.12	0.13	0.14
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	2.30	2.48	2.83	3.67	4.49	5.28	5.67	6.05	6.44	6.83
q3	0.16	0.17	0.18	0.21	0.27	0.32	0.36	0.38	0.42	0.44
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	7.22	7.62	8.40	9.16	9.89	10.59	11.25	11.88	12.46	13.01
q3	0.47	0.51	0.54	0.59	0.62	0.64	0.65	0.67	0.66	0.67
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	13.53	14.02	14.48	15.35	16.56	17.70	19.18	20.65	21.36	22.06
q3	0.67	0.67	0.66	0.67	0.70	0.74	0.81	0.92	0.96	1.00
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	23.71	25.18	25.98	26.71	28.22	29.74	30.46	31.40	32.40	33.48
q3	1.03	1.02	1.01	0.97	0.94	0.93	0.97	1.07	1.21	1.39
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	34.70	36.03	37.78	39.70	44.39	46.35	50.45	52.59	54.76	59.11
q3	1.66	1.90	2.21	2.56	3.14	3.67	4.06	4.48	4.70	4.95
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	63.41	67.57	71.54	75.23	79.26	87.15	88.75	95.41	99.61	100.00
q3	5.21	5.35	5.39	5.28	5.08	4.38	3.61	2.68	1.07	0.13
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



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-05\_12-14cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 11:01:48AM  
 Index meas. : 2930  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 16 %  
 Diameter at 10% : 12.72  $\mu\text{m}$   
 Diameter at 50% : 132.46  $\mu\text{m}$   
 Diameter at 90% : 245.72  $\mu\text{m}$   
 Mean diameter : 131.86  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

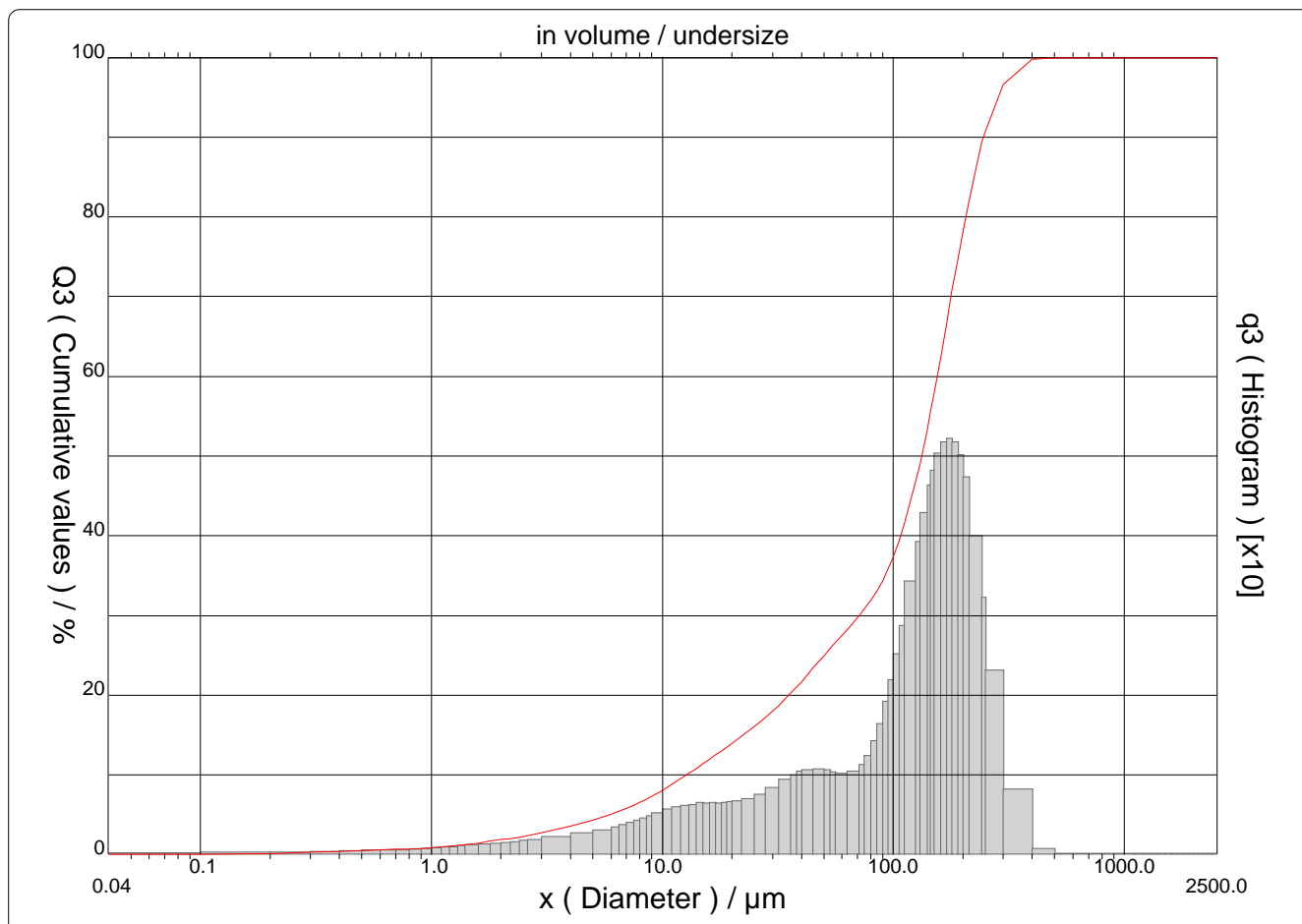
### Customer defined classes

### 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	3.50	28.01	33.84	46.76	69.54	90.77	98.94	100.00	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-05\_12-14cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 11:01:48AM  
 Index meas. : 2930  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 16 %  
 Diameter at 10% : 12.72 µm  
 Diameter at 50% : 132.46 µm  
 Diameter at 90% : 245.72 µm  
 Mean diameter : 131.86 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	0.18	0.28	0.38	0.48	0.58	0.66	0.74
q3	0.00	0.00	0.01	0.01	0.02	0.03	0.03	0.04	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	0.82	0.91	1.00	1.10	1.19	1.29	1.49	1.68	1.87	2.05
q3	0.05	0.06	0.07	0.08	0.08	0.10	0.11	0.12	0.13	0.14
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	2.23	2.41	2.76	3.58	4.37	5.12	5.49	5.86	6.23	6.60
q3	0.15	0.16	0.18	0.21	0.26	0.30	0.33	0.36	0.39	0.41
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	6.97	7.34	8.08	8.81	9.51	10.18	10.81	11.42	11.98	12.52
q3	0.44	0.47	0.51	0.55	0.58	0.60	0.61	0.64	0.63	0.64
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	13.02	13.50	13.96	14.83	16.04	17.20	18.73	20.24	20.98	21.71
q3	0.63	0.64	0.65	0.66	0.68	0.74	0.83	0.92	0.99	1.03
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	23.43	24.97	25.82	26.60	28.23	29.94	30.79	31.89	33.08	34.37
q3	1.05	1.05	1.05	1.02	1.00	1.03	1.12	1.23	1.41	1.63
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	35.80	37.35	39.37	41.55	46.76	48.89	53.28	55.53	57.79	62.28
q3	1.91	2.18	2.50	2.85	3.42	3.91	4.27	4.62	4.80	5.01
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	66.62	70.75	74.62	78.18	82.00	89.32	90.77	96.58	99.80	100.00
q3	5.16	5.21	5.16	5.00	4.72	3.99	3.21	2.30	0.81	0.06
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

# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-05\_14-16cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 11:08:24AM  
 Index meas. : 2931  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 11.96  $\mu\text{m}$   
 Diameter at 50% : 162.27  $\mu\text{m}$   
 Diameter at 90% : 298.73  $\mu\text{m}$   
 Mean diameter : 161.83  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

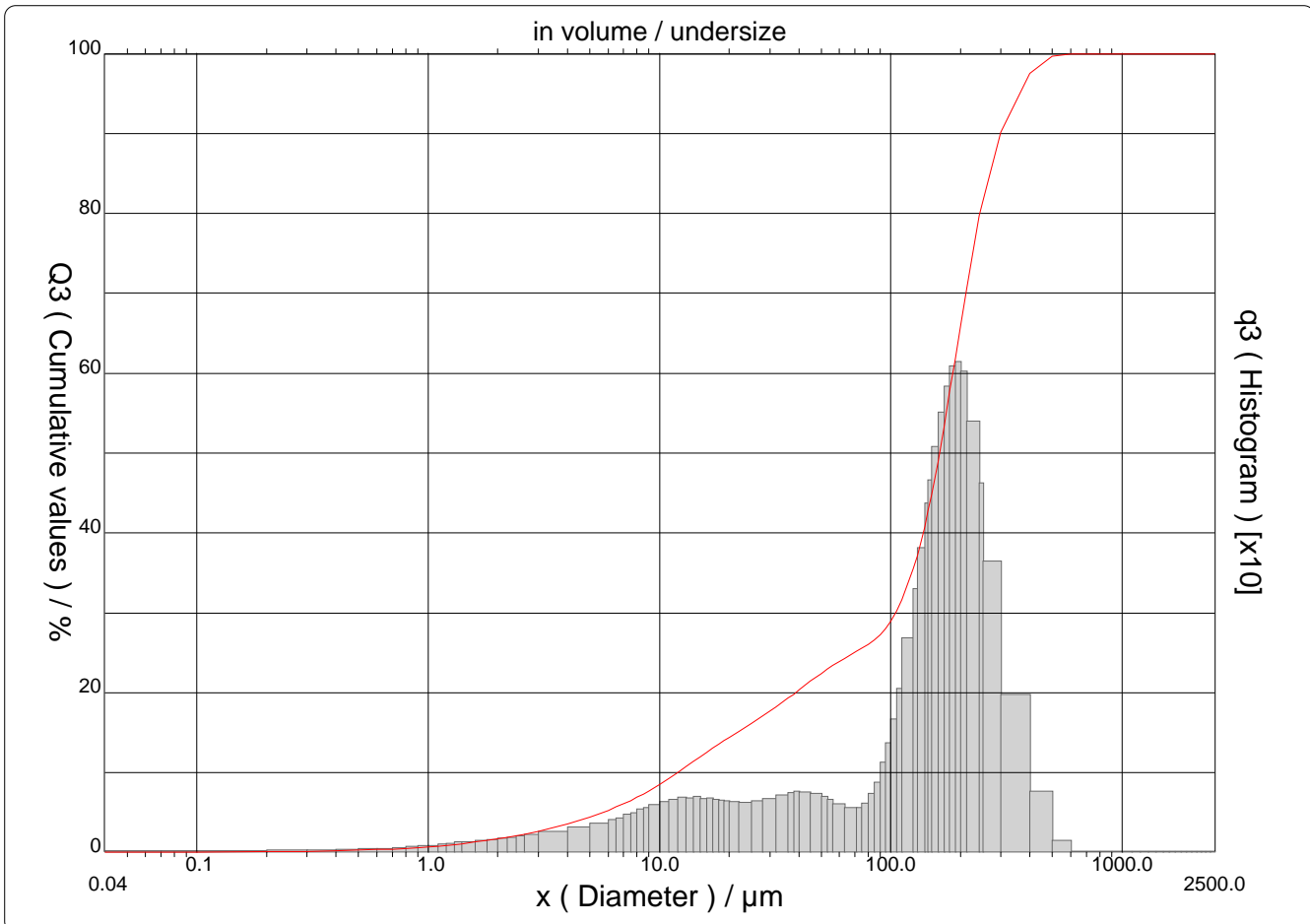
### Customer defined classes

### 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	3.51	24.20	27.00	35.44	56.33	81.63	94.87	99.68	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-05\_14-16cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 11:08:24AM  
 Index meas. : 2931  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 11.96 µm  
 Diameter at 50% : 162.27 µm  
 Diameter at 90% : 298.73 µm  
 Mean diameter : 161.83 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	0.03	0.05	0.11	0.18	0.24	0.31	0.38	0.45	0.53
q3	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.03	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	0.62	0.71	0.80	0.90	1.00	1.11	1.31	1.52	1.72	1.92
q3	0.06	0.07	0.07	0.09	0.10	0.11	0.12	0.14	0.15	0.16
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	2.11	2.31	2.69	3.60	4.47	5.30	5.71	6.11	6.52	6.92
q3	0.17	0.19	0.21	0.24	0.30	0.35	0.40	0.42	0.46	0.48
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	7.33	7.73	8.53	9.30	10.03	10.73	11.37	11.98	12.53	13.05
q3	0.52	0.54	0.59	0.62	0.65	0.68	0.67	0.68	0.66	0.66
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	13.53	13.98	14.40	15.17	16.18	17.10	18.24	19.31	19.82	20.32
q3	0.65	0.64	0.63	0.62	0.61	0.63	0.66	0.70	0.73	0.75
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	21.45	22.44	22.96	23.42	24.32	25.17	25.56	26.06	26.63	27.27
q3	0.74	0.73	0.69	0.65	0.59	0.55	0.55	0.60	0.73	0.86
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	28.05	28.95	30.20	31.65	35.44	37.11	40.75	42.73	44.77	49.00
q3	1.11	1.36	1.66	2.03	2.67	3.29	3.79	4.36	4.65	5.06
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	53.31	57.62	61.87	65.94	70.47	79.69	81.63	90.20	97.50	99.68
q3	5.49	5.82	6.07	6.13	6.01	5.38	4.61	3.63	1.96	0.75
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	0.14	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-05\_16-18cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 11:15:46AM  
 Index meas. : 2932  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 16 %  
 Diameter at 10% : 10.36  $\mu\text{m}$   
 Diameter at 50% : 149.34  $\mu\text{m}$   
 Diameter at 90% : 284.59  $\mu\text{m}$   
 Mean diameter : 148.45  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

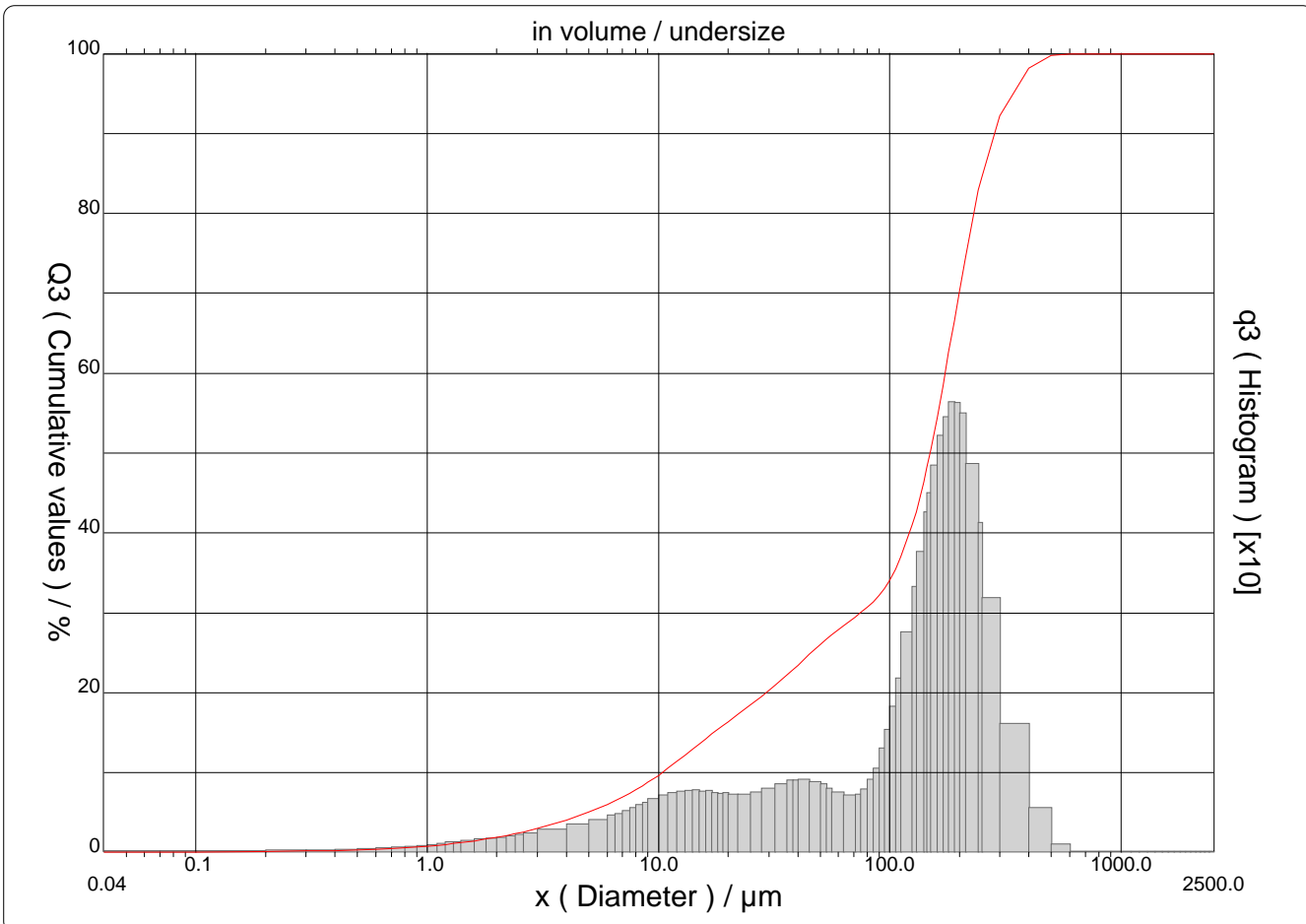
### Customer defined classes

### 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	3.95	28.26	31.85	40.98	61.33	84.62	96.11	99.78	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-05\_16-18cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 11:15:46AM  
 Index meas. : 2932  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 16 %  
 Diameter at 10% : 10.36 µm  
 Diameter at 50% : 149.34 µm  
 Diameter at 90% : 284.59 µm  
 Mean diameter : 148.45 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	0.06	0.13	0.20	0.27	0.34	0.42	0.50	0.59
q3	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.03	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	0.69	0.79	0.89	1.00	1.12	1.23	1.46	1.69	1.92	2.14
q3	0.06	0.07	0.08	0.10	0.11	0.11	0.13	0.15	0.17	0.18
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	2.36	2.58	3.01	4.05	5.05	6.00	6.47	6.93	7.39	7.85
q3	0.19	0.21	0.23	0.28	0.34	0.40	0.45	0.47	0.51	0.54
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	8.31	8.77	9.67	10.55	11.38	12.17	12.91	13.60	14.23	14.83
q3	0.58	0.62	0.65	0.71	0.73	0.75	0.76	0.76	0.75	0.76
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	15.38	15.89	16.38	17.27	18.47	19.57	20.95	22.25	22.88	23.48
q3	0.74	0.72	0.73	0.71	0.72	0.74	0.79	0.84	0.89	0.89
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	24.86	26.06	26.70	27.27	28.41	29.51	30.02	30.68	31.39	32.17
q3	0.90	0.87	0.84	0.79	0.74	0.70	0.71	0.78	0.90	1.04
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	33.08	34.10	35.48	37.04	40.98	42.68	46.32	48.27	50.26	54.34
q3	1.29	1.52	1.81	2.17	2.74	3.31	3.75	4.25	4.49	4.83
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	58.47	62.54	66.52	70.29	74.47	82.87	84.62	92.19	98.19	99.78
q3	5.21	5.44	5.63	5.62	5.48	4.85	4.11	3.17	1.59	0.54
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	0.09	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-05\_18-20cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 11:23:03AM  
 Index meas. : 2933  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 10.68  $\mu\text{m}$   
 Diameter at 50% : 145.78  $\mu\text{m}$   
 Diameter at 90% : 282.19  $\mu\text{m}$   
 Mean diameter : 146.10  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

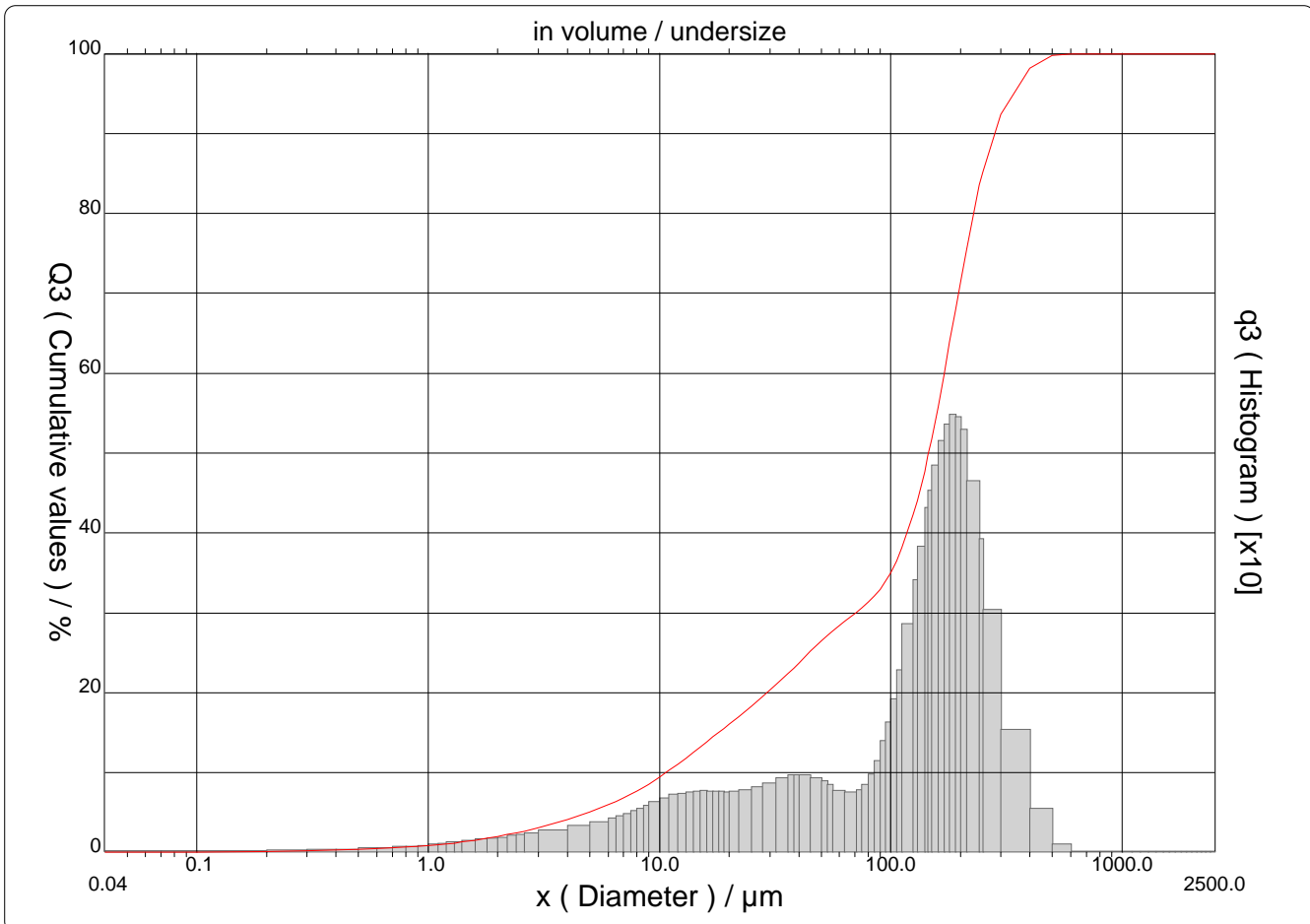
### Customer defined classes

### 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	4.04	28.78	32.62	42.24	62.69	85.19	96.19	99.78	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-05\_18-20cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 11:23:03AM  
 Index meas. : 2933  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 10.68  $\mu\text{m}$   
 Diameter at 50% : 145.78  $\mu\text{m}$   
 Diameter at 90% : 282.19  $\mu\text{m}$   
 Mean diameter : 146.10  $\mu\text{m}$   
 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	0.05	0.08	0.16	0.25	0.33	0.41	0.50	0.58	0.68
q3	0.00	0.01	0.01	0.01	0.02	0.02	0.03	0.04	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	0.77	0.87	0.98	1.09	1.21	1.32	1.55	1.79	2.02	2.24
q3	0.06	0.07	0.09	0.10	0.11	0.11	0.13	0.16	0.17	0.18
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	2.47	2.69	3.12	4.14	5.09	5.98	6.42	6.85	7.28	7.71
q3	0.20	0.21	0.23	0.27	0.32	0.37	0.42	0.44	0.47	0.51
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	8.14	8.57	9.43	10.26	11.07	11.83	12.55	13.23	13.87	14.47
q3	0.54	0.57	0.62	0.66	0.71	0.72	0.74	0.75	0.76	0.75
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	15.03	15.56	16.06	17.00	18.29	19.49	20.99	22.41	23.09	23.73
q3	0.75	0.75	0.74	0.75	0.77	0.81	0.86	0.92	0.96	0.95
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	25.21	26.48	27.15	27.75	28.93	30.09	30.64	31.35	32.12	32.97
q3	0.96	0.92	0.88	0.83	0.76	0.74	0.76	0.84	0.97	1.13
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	33.95	35.04	36.50	38.14	42.24	43.99	47.70	49.68	51.69	55.78
q3	1.38	1.62	1.91	2.27	2.84	3.40	3.81	4.30	4.52	4.83
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	59.87	63.88	67.76	71.42	75.46	83.52	85.19	92.43	98.20	99.78
q3	5.14	5.35	5.47	5.44	5.28	4.64	3.91	3.03	1.53	0.54
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	0.09	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 /  $\mu\text{m}$     Q3 : cumulative value / %    q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-05\_20-22cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 11:30:06AM  
 Index meas. : 2934  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 16 %  
 Diameter at 10% : 11.16  $\mu\text{m}$   
 Diameter at 50% : 141.51  $\mu\text{m}$   
 Diameter at 90% : 271.03  $\mu\text{m}$   
 Mean diameter : 140.96  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

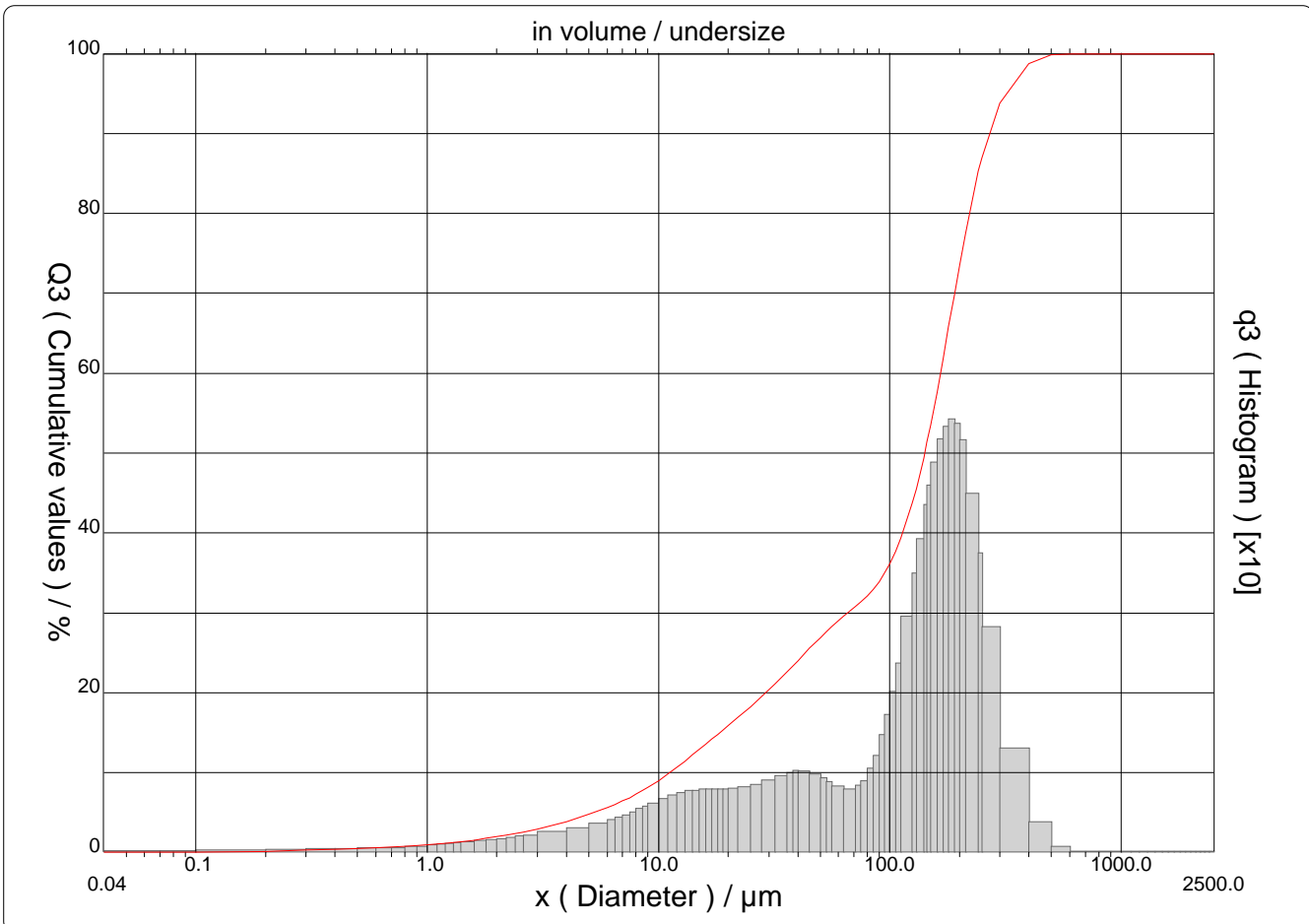
### Customer defined classes

### 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	3.80	29.38	33.52	43.70	64.69	86.97	97.12	99.85	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-05\_20-22cm  
Sample Name :  
Sample type : Mixed  
Comments :  
Liquid : Water (eau)  
Dispersing agent :  
Operator : Olivia  
Company :  
Location :  
Date : 07/13/2023 Time : 11:30:06AM  
Index meas. : 2934  
Database name : Granulog

Ultrasounds : 15 s (+during)  
Obscuration : 16 %  
Diameter at 10% : 11.16 µm  
Diameter at 50% : 141.51 µm  
Diameter at 90% : 271.03 µm  
Mean diameter : 140.96 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	0.18	0.29	0.40	0.51	0.61	0.70	0.78
q3	0.00	0.00	0.01	0.01	0.02	0.03	0.04	0.04	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	0.87	0.96	1.06	1.16	1.26	1.37	1.57	1.78	1.98	2.18
q3	0.06	0.06	0.08	0.09	0.09	0.11	0.11	0.13	0.14	0.16
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	2.38	2.58	2.96	3.89	4.77	5.63	6.05	6.47	6.89	7.31
q3	0.17	0.19	0.20	0.24	0.30	0.35	0.39	0.43	0.46	0.49
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	7.74	8.17	9.02	9.86	10.68	11.46	12.21	12.91	13.58	14.21
q3	0.53	0.56	0.61	0.66	0.71	0.73	0.76	0.76	0.78	0.78
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	14.80	15.36	15.89	16.89	18.26	19.52	21.11	22.60	23.31	24.00
q3	0.77	0.78	0.78	0.79	0.80	0.83	0.89	0.95	0.98	1.01
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	25.57	26.92	27.63	28.27	29.55	30.79	31.39	32.15	32.99	33.90
q3	1.00	0.96	0.91	0.87	0.82	0.78	0.82	0.88	1.04	1.19
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	34.95	36.12	37.67	39.40	43.70	45.52	49.38	51.41	53.48	57.67
q3	1.46	1.71	2.00	2.36	2.94	3.48	3.91	4.34	4.58	4.87
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	61.84	65.89	69.79	73.45	77.45	85.35	86.97	93.81	98.76	99.85
q3	5.16	5.31	5.41	5.35	5.15	4.48	3.74	2.81	1.29	0.37
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	0.06	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-05\_22-24cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 11:36:31AM  
 Index meas. : 2935  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 16 %  
 Diameter at 10% : 6.73  $\mu\text{m}$   
 Diameter at 50% : 102.30  $\mu\text{m}$   
 Diameter at 90% : 242.50  $\mu\text{m}$   
 Mean diameter : 111.53  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

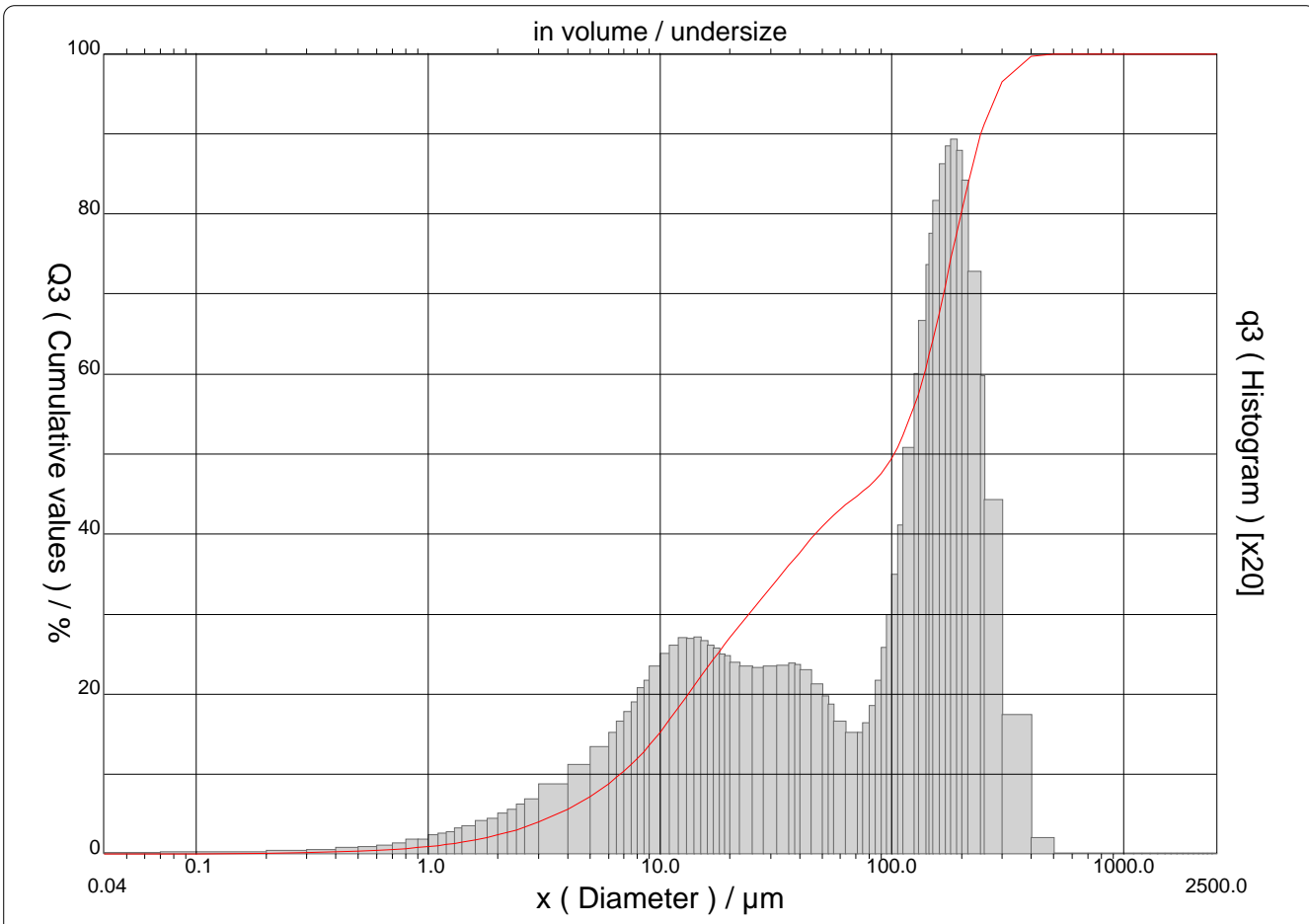
### Customer defined classes

### 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	5.46	43.45	47.23	55.94	73.32	91.19	98.79	100.00	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-05\_22-24cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 11:36:31AM  
 Index meas. : 2935  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 16 %  
 Diameter at 10% : 6.73 µm  
 Diameter at 50% : 102.30 µm  
 Diameter at 90% : 242.50 µm  
 Mean diameter : 111.53 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	0.03	0.06	0.13	0.22	0.30	0.40	0.50	0.60	0.71
q3	0.00	0.00	0.01	0.01	0.02	0.02	0.03	0.04	0.05	0.06
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.84	0.96	1.10	1.24	1.38	1.53	1.83	2.14	2.44	2.75
q3	0.08	0.09	0.11	0.12	0.13	0.15	0.17	0.20	0.22	0.25
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	3.06	3.38	4.01	5.63	7.24	8.83	9.62	10.42	11.22	12.02
q3	0.27	0.30	0.34	0.43	0.55	0.67	0.75	0.82	0.88	0.95
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	12.84	13.65	15.26	16.82	18.30	19.71	21.01	22.23	23.35	24.38
q3	1.03	1.08	1.17	1.25	1.30	1.34	1.34	1.35	1.32	1.30
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	25.34	26.22	27.05	28.54	30.50	32.22	34.26	36.07	36.91	37.70
q3	1.28	1.24	1.23	1.19	1.17	1.16	1.17	1.17	1.18	1.17
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	39.47	40.93	41.68	42.35	43.62	44.80	45.34	46.03	46.76	47.57
q3	1.15	1.06	0.98	0.93	0.82	0.75	0.75	0.82	0.92	1.08
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	48.48	49.48	50.81	52.29	55.94	57.48	60.71	62.40	64.12	67.57
q3	1.28	1.49	1.74	2.05	2.53	2.99	3.32	3.67	3.87	4.08
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	70.99	74.30	77.46	80.41	83.62	89.92	91.19	96.46	99.72	100.00
q3	4.30	4.42	4.46	4.39	4.20	3.63	2.98	2.20	0.86	0.10
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

# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-05\_24-26cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 11:43:43AM  
 Index meas. : 2936  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 27.34  $\mu\text{m}$   
 Diameter at 50% : 170.08  $\mu\text{m}$   
 Diameter at 90% : 296.10  $\mu\text{m}$   
 Mean diameter : 173.90  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

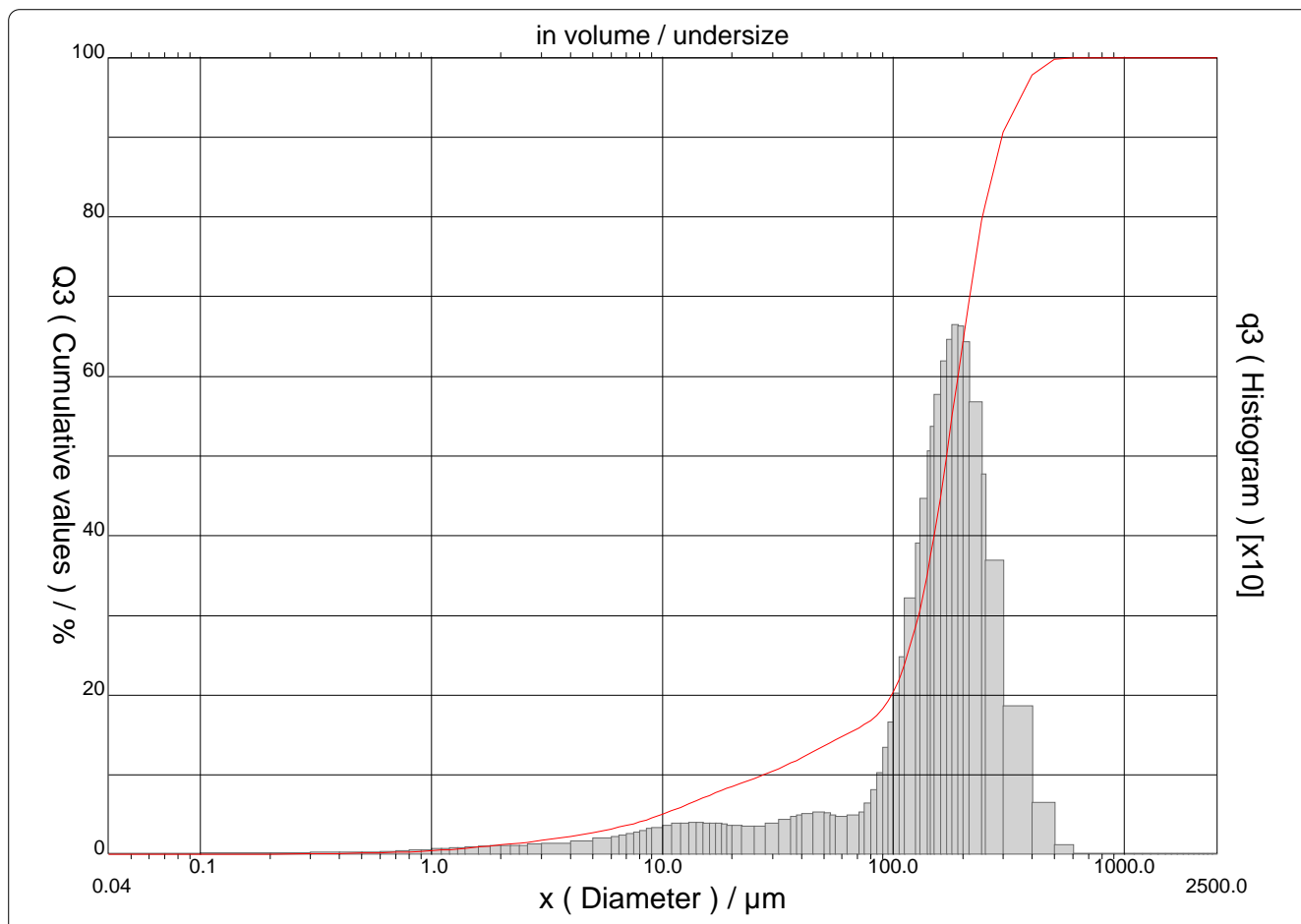
### Customer defined classes

### 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	2.25	15.06	17.96	28.55	53.45	81.60	95.33	99.73	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-05\_24-26cm  
Sample Name :  
Sample type : Mixed  
Comments :  
Liquid : Water (eau)  
Dispersing agent :  
Operator : Olivia  
Company :  
Location :  
Date : 07/13/2023 Time : 11:43:43AM  
Index meas. : 2936  
Database name : Granulog

Ultrasounds : 15 s (+during)  
Obscuration : 14 %  
Diameter at 10% : 27.34 µm  
Diameter at 50% : 170.08 µm  
Diameter at 90% : 296.10 µm  
Mean diameter : 173.90 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	0.00	0.00	0.08	0.13	0.17	0.21	0.25	0.30	0.36
q3	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.43	0.49	0.57	0.64	0.72	0.79	0.94	1.08	1.22	1.35
q3	0.04	0.04	0.06	0.06	0.07	0.07	0.08	0.09	0.10	0.10
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.47	1.58	1.80	2.30	2.76	3.22	3.45	3.68	3.91	4.14
q3	0.10	0.10	0.11	0.13	0.15	0.19	0.21	0.23	0.25	0.26
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	4.37	4.61	5.07	5.52	5.96	6.37	6.76	7.12	7.45	7.76
q3	0.28	0.31	0.32	0.35	0.37	0.38	0.39	0.39	0.38	0.38
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	8.05	8.32	8.56	9.01	9.59	10.11	10.79	11.47	11.81	12.14
q3	0.38	0.37	0.35	0.35	0.34	0.34	0.38	0.43	0.47	0.48
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	12.94	13.67	14.07	14.43	15.16	15.93	16.31	16.86	17.51	18.29
q3	0.50	0.51	0.51	0.48	0.46	0.48	0.51	0.63	0.79	1.01
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	19.26	20.40	21.98	23.81	28.55	30.61	35.06	37.45	39.90	44.91
q3	1.33	1.65	2.01	2.46	3.20	3.89	4.45	5.05	5.35	5.75
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	49.96	54.93	59.77	64.35	69.40	79.51	81.60	90.65	97.82	99.73
q3	6.17	6.44	6.63	6.62	6.42	5.66	4.76	3.68	1.85	0.63
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	0.11	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-05\_26-28cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 11:51:27AM  
 Index meas. : 2937  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 17.74  $\mu\text{m}$   
 Diameter at 50% : 164.68  $\mu\text{m}$   
 Diameter at 90% : 295.91  $\mu\text{m}$   
 Mean diameter : 167.00  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

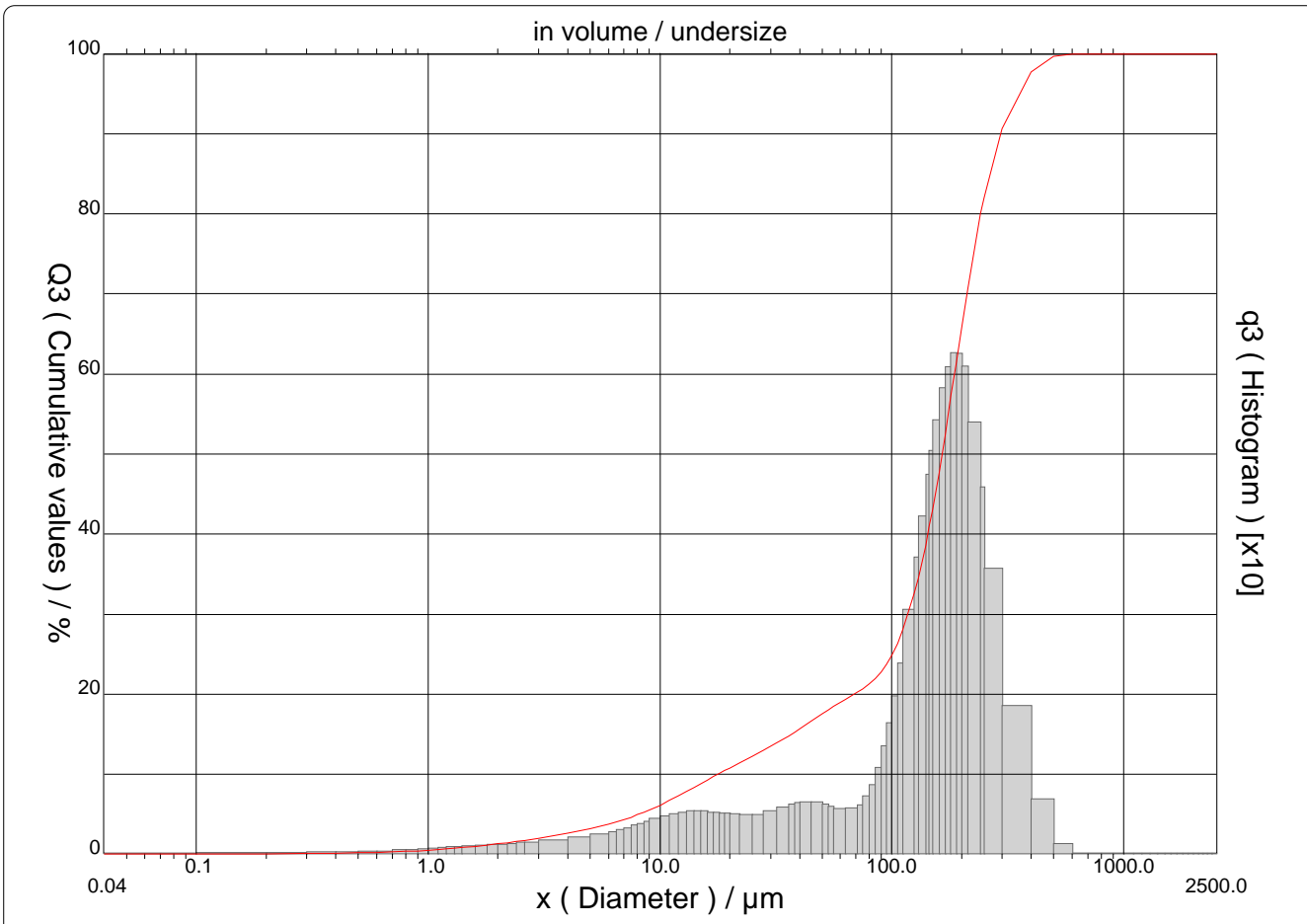
### Customer defined classes

### 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	2.55	19.22	22.44	32.56	55.70	82.02	95.21	99.71	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-05\_26-28cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 11:51:27AM  
 Index meas. : 2937  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 17.74  $\mu\text{m}$   
 Diameter at 50% : 164.68  $\mu\text{m}$   
 Diameter at 90% : 295.91  $\mu\text{m}$   
 Mean diameter : 167.00  $\mu\text{m}$   
 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	0.08	0.13	0.18	0.22	0.27	0.32	0.39
q3	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.04
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.46	0.53	0.61	0.69	0.77	0.85	1.01	1.17	1.32	1.46
q3	0.04	0.05	0.06	0.07	0.08	0.08	0.09	0.10	0.11	0.11
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.60	1.74	2.00	2.61	3.20	3.78	4.06	4.35	4.64	4.94
q3	0.12	0.13	0.14	0.16	0.20	0.24	0.26	0.29	0.32	0.35
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	5.24	5.54	6.15	6.74	7.31	7.85	8.37	8.85	9.30	9.71
q3	0.37	0.39	0.43	0.46	0.49	0.51	0.53	0.52	0.52	0.51
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	10.10	10.46	10.80	11.42	12.23	12.96	13.90	14.80	15.24	15.67
q3	0.51	0.50	0.50	0.49	0.48	0.48	0.53	0.57	0.61	0.63
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	16.67	17.56	18.03	18.46	19.33	20.23	20.67	21.28	21.97	22.78
q3	0.64	0.63	0.61	0.59	0.55	0.57	0.60	0.71	0.85	1.06
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	23.74	24.85	26.37	28.11	32.56	34.49	38.64	40.85	43.12	47.77
q3	1.33	1.63	1.96	2.37	3.04	3.70	4.21	4.73	5.03	5.41
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	52.46	57.08	61.58	65.84	70.56	80.04	82.02	90.65	97.71	99.71
q3	5.81	6.07	6.25	6.24	6.08	5.38	4.57	3.56	1.84	0.67
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	0.12	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 /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-05\_28-30cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 11:58:27AM  
 Index meas. : 2938  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 18.28  $\mu\text{m}$   
 Diameter at 50% : 162.74  $\mu\text{m}$   
 Diameter at 90% : 288.16  $\mu\text{m}$   
 Mean diameter : 164.20  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

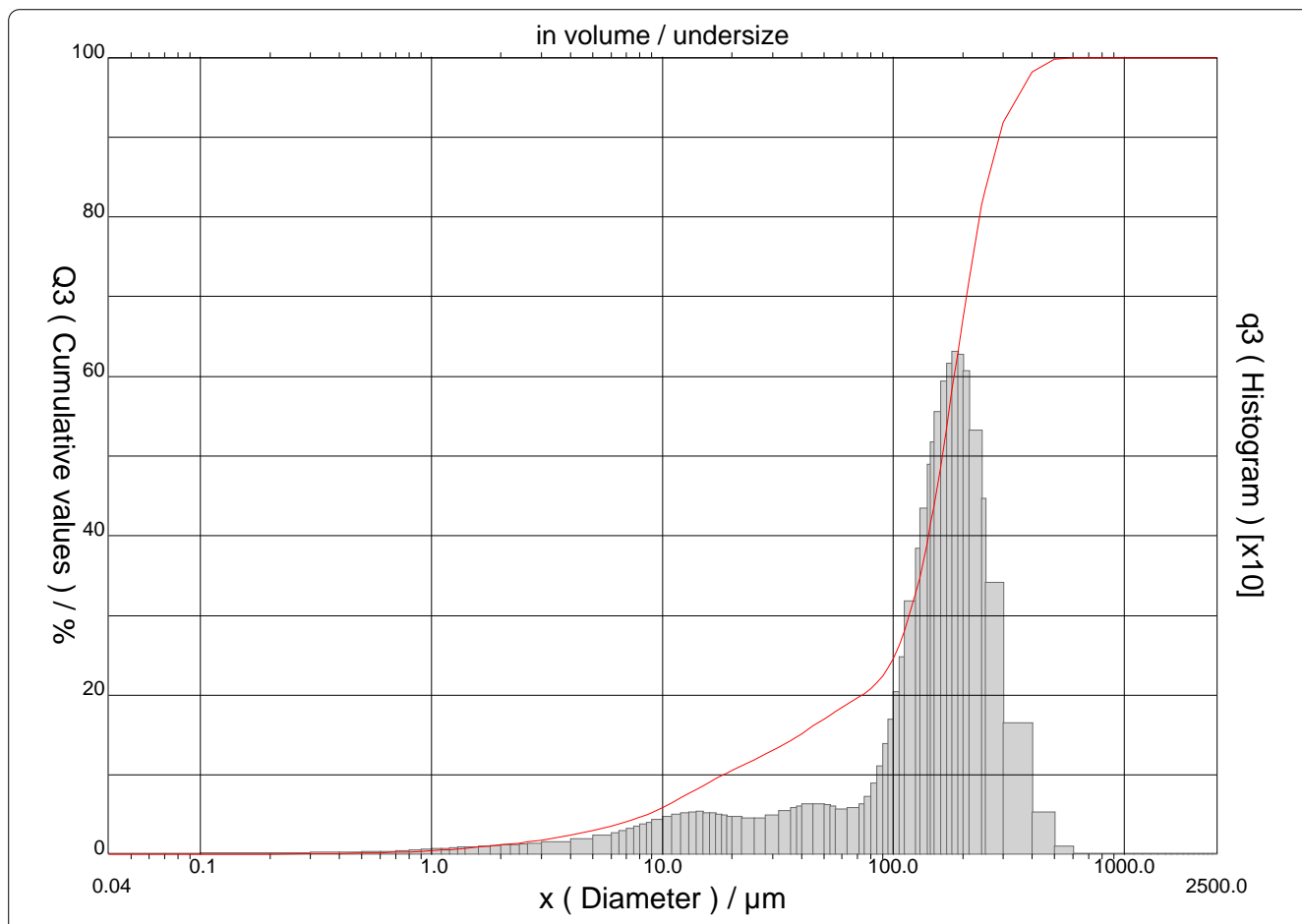
### Customer defined classes

### 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	2.38	18.71	22.05	32.73	56.84	83.47	96.06	99.78	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-05\_28-30cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 11:58:27AM  
 Index meas. : 2938  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 18.28 µm  
 Diameter at 50% : 162.74 µm  
 Diameter at 90% : 288.16 µm  
 Mean diameter : 164.20 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	0.00	0.00	0.07	0.12	0.16	0.19	0.24	0.29	0.35
q3	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.41	0.48	0.56	0.63	0.71	0.79	0.94	1.08	1.22	1.36
q3	0.04	0.05	0.06	0.06	0.07	0.08	0.08	0.09	0.10	0.11
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.49	1.62	1.86	2.43	2.99	3.55	3.83	4.12	4.41	4.71
q3	0.11	0.12	0.12	0.15	0.19	0.23	0.26	0.29	0.31	0.34
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	5.01	5.31	5.92	6.52	7.10	7.65	8.17	8.66	9.10	9.52
q3	0.37	0.39	0.43	0.46	0.49	0.51	0.52	0.52	0.50	0.51
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	9.90	10.25	10.57	11.16	11.92	12.60	13.47	14.32	14.74	15.15
q3	0.49	0.48	0.46	0.46	0.44	0.44	0.48	0.53	0.57	0.59
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	16.14	17.02	17.50	17.94	18.83	19.76	20.22	20.84	21.56	22.41
q3	0.62	0.62	0.61	0.59	0.56	0.57	0.62	0.71	0.88	1.10
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	23.42	24.59	26.19	28.03	32.73	34.76	39.11	41.43	43.80	48.64
q3	1.38	1.68	2.03	2.47	3.16	3.82	4.33	4.88	5.16	5.54
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	53.50	58.26	62.87	67.22	72.00	81.51	83.47	91.85	98.22	99.78
q3	5.92	6.15	6.29	6.26	6.06	5.30	4.45	3.39	1.63	0.52
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	0.09	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-05\_30-32cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 12:06:01AM  
 Index meas. : 2939  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 25 %  
 Diameter at 10% : 27.89  $\mu\text{m}$   
 Diameter at 50% : 211.84  $\mu\text{m}$   
 Diameter at 90% : 382.53  $\mu\text{m}$   
 Mean diameter : 217.24  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

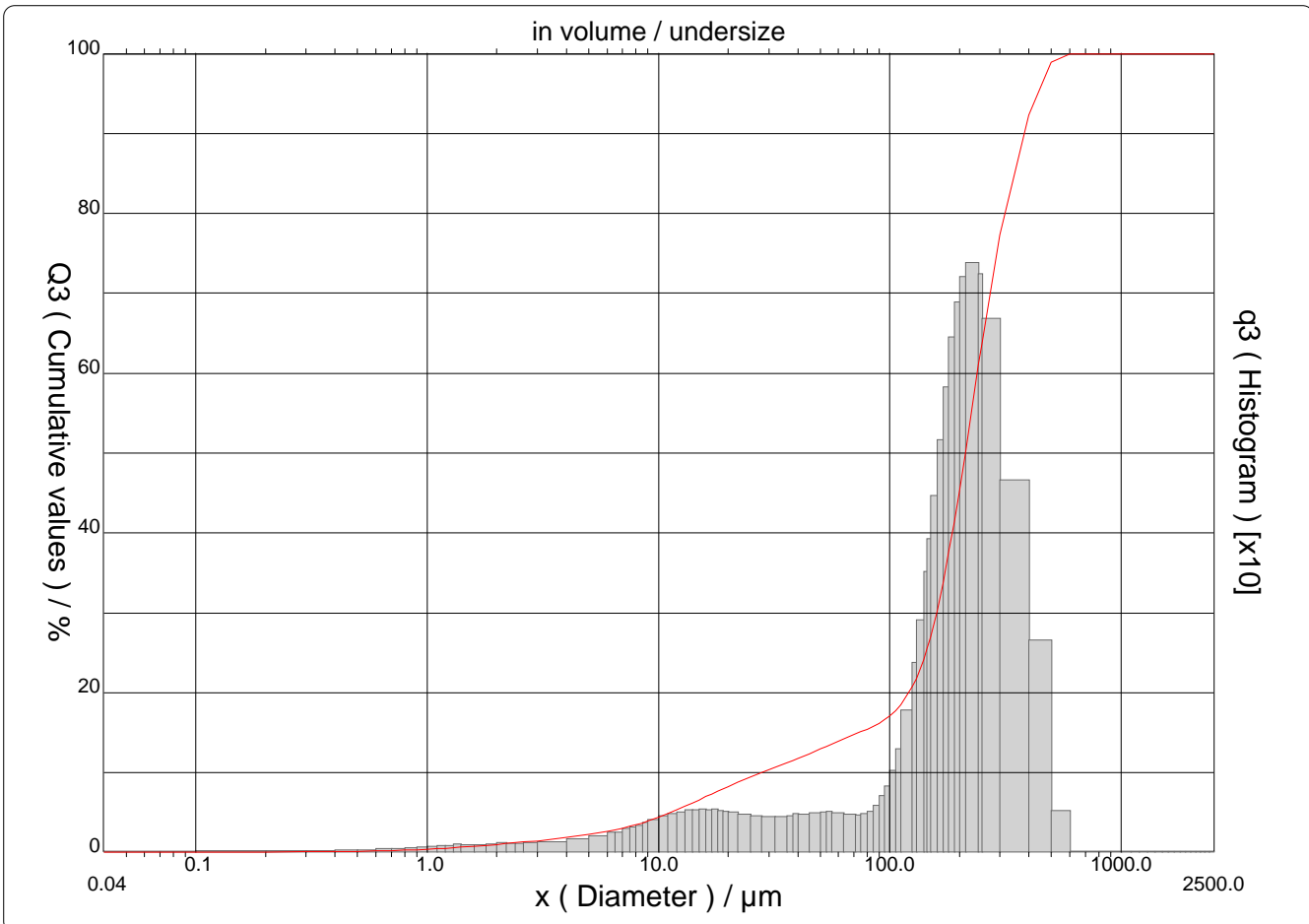
### Customer defined classes

### 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	1.83	14.14	16.02	20.69	36.34	63.66	86.28	98.96	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-05\_30-32cm  
Sample Name :  
Sample type : Mixed  
Comments :  
Liquid : Water (eau)  
Dispersing agent :  
Operator : Olivia  
Company :  
Location :  
Date : 07/13/2023 Time : 12:06:01AM  
Index meas. : 2939  
Database name : Granulog

Ultrasounds : 15 s (+during)  
Obscuration : 25 %  
Diameter at 10% : 27.89 µm  
Diameter at 50% : 211.84 µm  
Diameter at 90% : 382.53 µm  
Mean diameter : 217.24 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	0.00	0.00	0.06	0.10	0.13	0.17	0.20	0.25	0.30
q3	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.01	0.03	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.35	0.41	0.47	0.54	0.60	0.67	0.79	0.90	1.01	1.12
q3	0.04	0.05	0.06	0.07	0.07	0.08	0.08	0.08	0.09	0.10
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.22	1.31	1.48	1.87	2.25	2.64	2.85	3.05	3.27	3.49
q3	0.10	0.10	0.11	0.12	0.15	0.19	0.23	0.24	0.28	0.30
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	3.71	3.94	4.41	4.88	5.34	5.78	6.21	6.61	6.99	7.34
q3	0.32	0.36	0.40	0.44	0.47	0.49	0.52	0.52	0.52	0.51
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	7.68	7.99	8.28	8.80	9.46	10.02	10.67	11.24	11.51	11.78
q3	0.53	0.51	0.50	0.49	0.46	0.44	0.43	0.43	0.44	0.47
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	12.39	12.96	13.28	13.59	14.22	14.84	15.12	15.46	15.80	16.17
q3	0.46	0.48	0.49	0.50	0.48	0.46	0.45	0.47	0.50	0.58
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	16.59	17.06	17.72	18.51	20.69	21.73	24.14	25.52	27.01	30.24
q3	0.69	0.82	1.01	1.28	1.77	2.36	2.89	3.50	3.91	4.45
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	33.75	37.48	41.39	45.35	50.06	61.02	63.66	77.32	92.33	98.96
q3	5.15	5.81	6.44	6.87	7.19	7.37	7.22	6.67	4.64	2.64
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	0.51	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-05\_32-34cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 12:12:58AM  
 Index meas. : 2940  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 25.65  $\mu\text{m}$   
 Diameter at 50% : 216.75  $\mu\text{m}$   
 Diameter at 90% : 393.88  $\mu\text{m}$   
 Mean diameter : 221.54  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

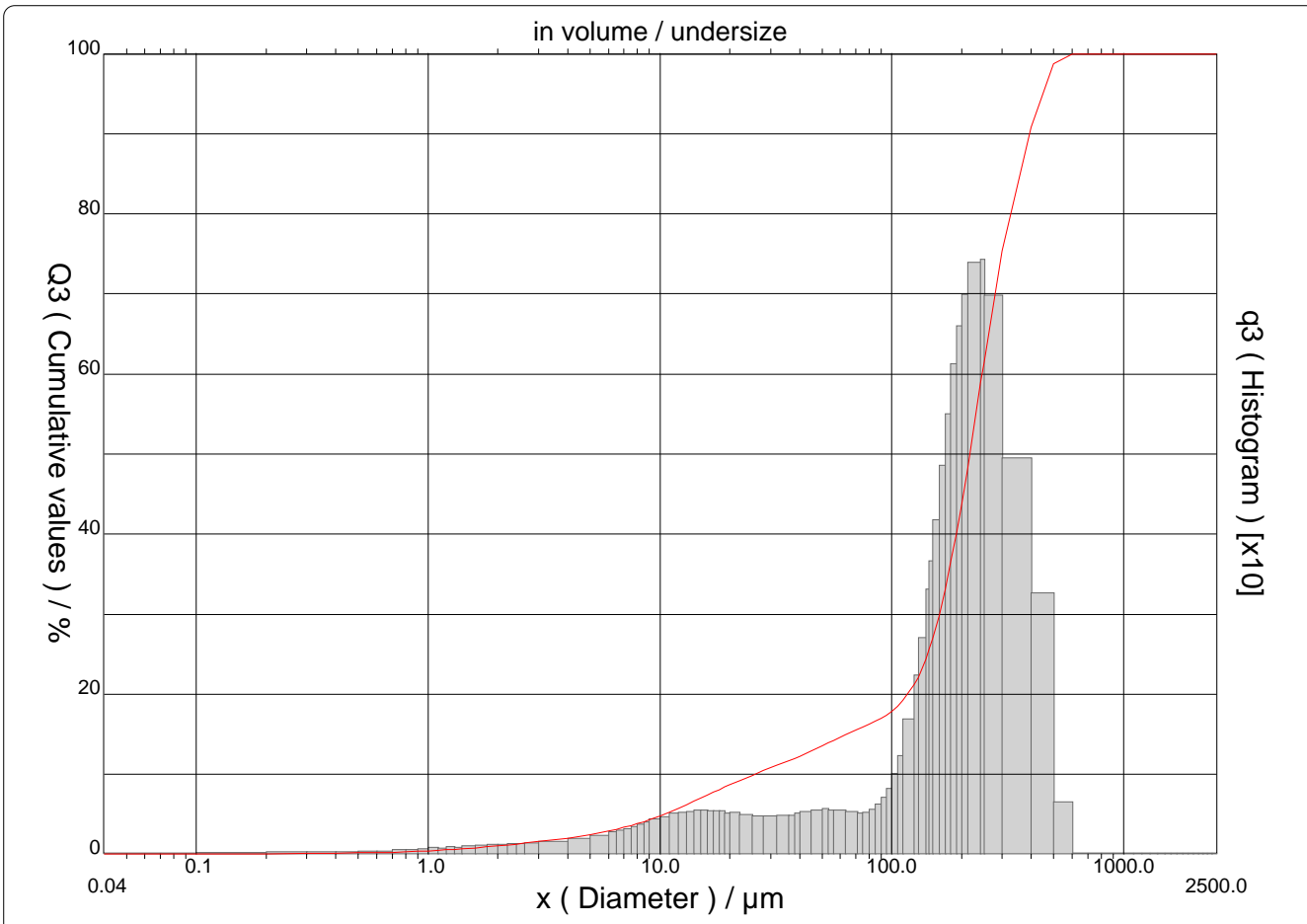
### Customer defined classes

### 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	2.00	14.84	16.85	21.23	35.46	61.49	84.41	98.74	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-05\_32-34cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 12:12:58AM  
 Index meas. : 2940  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 25.65  $\mu\text{m}$   
 Diameter at 50% : 216.75  $\mu\text{m}$   
 Diameter at 90% : 393.88  $\mu\text{m}$   
 Mean diameter : 221.54  $\mu\text{m}$   
 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	0.07	0.12	0.15	0.19	0.23	0.27	0.33
q3	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.02	0.04
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.38	0.44	0.51	0.57	0.64	0.70	0.83	0.96	1.08	1.19
q3	0.04	0.05	0.07	0.06	0.08	0.07	0.09	0.10	0.10	0.11
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.30	1.40	1.59	2.05	2.49	2.93	3.16	3.39	3.62	3.85
q3	0.12	0.11	0.12	0.15	0.18	0.22	0.26	0.28	0.31	0.33
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	4.09	4.33	4.82	5.29	5.76	6.20	6.62	7.02	7.40	7.75
q3	0.36	0.39	0.43	0.45	0.50	0.50	0.52	0.53	0.54	0.53
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	8.08	8.39	8.67	9.20	9.87	10.44	11.11	11.72	12.00	12.28
q3	0.53	0.53	0.50	0.51	0.48	0.46	0.46	0.48	0.48	0.50
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	12.95	13.57	13.92	14.24	14.93	15.61	15.91	16.27	16.63	17.01
q3	0.52	0.54	0.55	0.53	0.54	0.52	0.50	0.51	0.54	0.61
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	17.42	17.87	18.50	19.23	21.23	22.18	24.35	25.61	26.96	29.89
q3	0.70	0.80	0.99	1.22	1.67	2.22	2.69	3.29	3.65	4.16
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	33.09	36.51	40.11	43.79	48.22	58.86	61.49	75.34	90.83	98.74
q3	4.84	5.49	6.11	6.58	6.97	7.37	7.42	6.97	4.94	3.25
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	0.63	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 /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density

# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-05\_34-36cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 12:21:57AM  
 Index meas. : 2941  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 14.71  $\mu\text{m}$   
 Diameter at 50% : 153.03  $\mu\text{m}$   
 Diameter at 90% : 293.39  $\mu\text{m}$   
 Mean diameter : 158.59  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

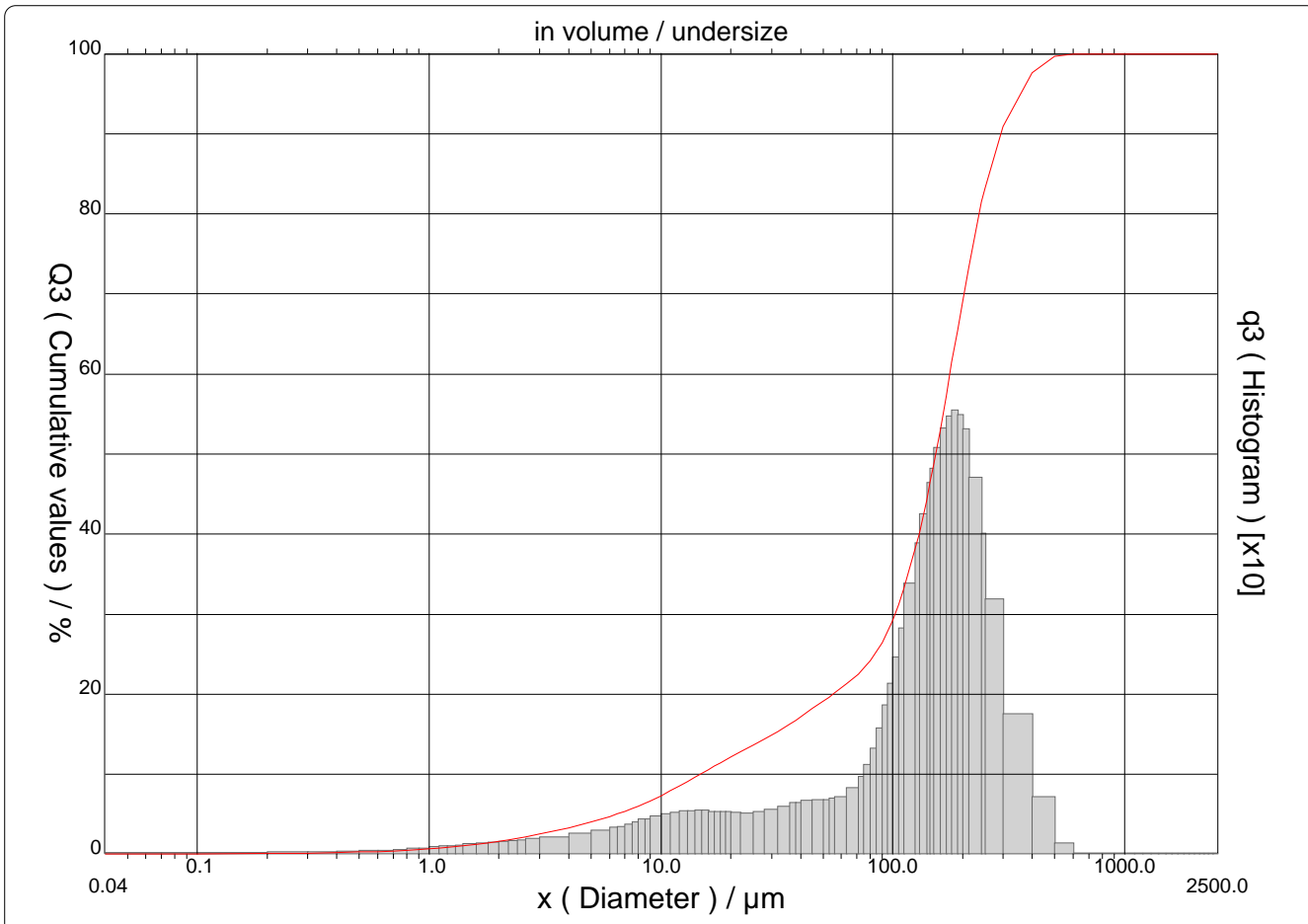
### Customer defined classes

### 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	3.23	21.09	25.96	38.12	60.20	83.25	95.16	99.69	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-05\_34-36cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 12:21:57AM  
 Index meas. : 2941  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 14.71 µm  
 Diameter at 50% : 153.03 µm  
 Diameter at 90% : 293.39 µm  
 Mean diameter : 158.59 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	0.06	0.12	0.18	0.24	0.30	0.37	0.44	0.51
q3	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.04
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.60	0.68	0.78	0.88	0.97	1.07	1.27	1.47	1.66	1.84
q3	0.06	0.06	0.08	0.09	0.08	0.10	0.11	0.13	0.14	0.14
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	2.02	2.19	2.53	3.30	4.03	4.72	5.06	5.39	5.72	6.05
q3	0.16	0.16	0.18	0.20	0.25	0.28	0.32	0.33	0.36	0.38
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	6.39	6.71	7.36	7.98	8.57	9.13	9.65	10.14	10.60	11.02
q3	0.42	0.42	0.46	0.49	0.51	0.53	0.53	0.53	0.54	0.52
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	11.41	11.78	12.13	12.77	13.62	14.40	15.37	16.29	16.74	17.17
q3	0.51	0.51	0.51	0.50	0.50	0.52	0.55	0.59	0.63	0.63
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	18.20	19.13	19.65	20.15	21.25	22.55	23.25	24.20	25.26	26.45
q3	0.66	0.66	0.67	0.68	0.70	0.82	0.96	1.11	1.31	1.56
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	27.78	29.23	31.13	33.19	38.12	40.14	44.32	46.48	48.65	53.00
q3	1.85	2.12	2.45	2.81	3.37	3.87	4.24	4.62	4.81	5.06
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	57.28	61.43	65.41	69.15	73.26	81.52	83.25	90.94	97.59	99.69
q3	5.30	5.45	5.53	5.48	5.30	4.69	4.00	3.17	1.74	0.71
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	0.13	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-05\_36-38cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 12:35:12AM  
 Index meas. : 2942  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 17.77  $\mu\text{m}$   
 Diameter at 50% : 151.26  $\mu\text{m}$   
 Diameter at 90% : 291.99  $\mu\text{m}$   
 Mean diameter : 158.39  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

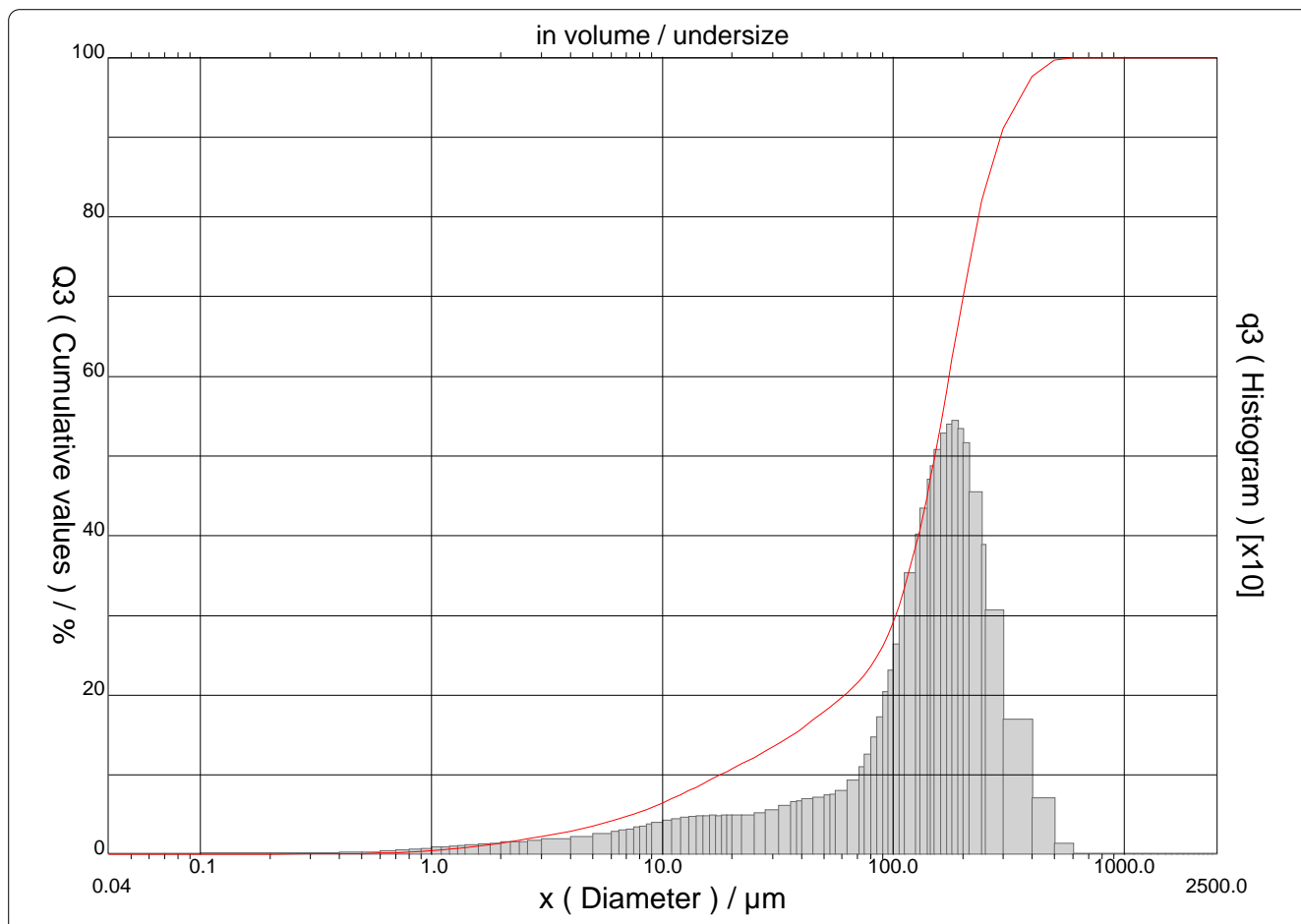
### Customer defined classes

### 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	2.91	20.08	25.57	38.59	61.02	83.63	95.23	99.69	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-05\_36-38cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 12:35:12AM  
 Index meas. : 2942  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 17.77 µm  
 Diameter at 50% : 151.26 µm  
 Diameter at 90% : 291.99 µm  
 Mean diameter : 158.39 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	0.00	0.00	0.06	0.11	0.13	0.16	0.19	0.25	0.32
q3	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.03	0.04
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.40	0.49	0.59	0.68	0.78	0.88	1.08	1.27	1.45	1.63
q3	0.05	0.06	0.08	0.08	0.09	0.10	0.11	0.12	0.13	0.14
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.80	1.96	2.27	2.98	3.62	4.22	4.52	4.81	5.09	5.38
q3	0.15	0.15	0.16	0.18	0.21	0.25	0.28	0.29	0.30	0.33
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	5.66	5.94	6.49	7.02	7.53	8.02	8.48	8.92	9.33	9.72
q3	0.34	0.36	0.39	0.41	0.44	0.46	0.46	0.48	0.47	0.48
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	10.08	10.43	10.76	11.37	12.20	12.97	13.94	14.89	15.36	15.81
q3	0.47	0.48	0.48	0.48	0.48	0.51	0.54	0.60	0.65	0.65
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	16.90	17.90	18.47	19.02	20.26	21.73	22.53	23.61	24.80	26.11
q3	0.69	0.71	0.73	0.74	0.78	0.92	1.09	1.25	1.46	1.71
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	27.58	29.16	31.21	33.41	38.59	40.70	45.01	47.22	49.43	53.82
q3	2.03	2.29	2.62	2.98	3.51	4.01	4.33	4.69	4.86	5.07
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	58.11	62.24	66.18	69.85	73.88	81.94	83.63	91.11	97.61	99.69
q3	5.27	5.38	5.43	5.33	5.15	4.54	3.87	3.06	1.68	0.69
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	0.13	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-05\_38-40cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 02:12:36PM  
 Index meas. : 2943  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 45.67  $\mu\text{m}$   
 Diameter at 50% : 166.94  $\mu\text{m}$   
 Diameter at 90% : 299.87  $\mu\text{m}$   
 Mean diameter : 175.88  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

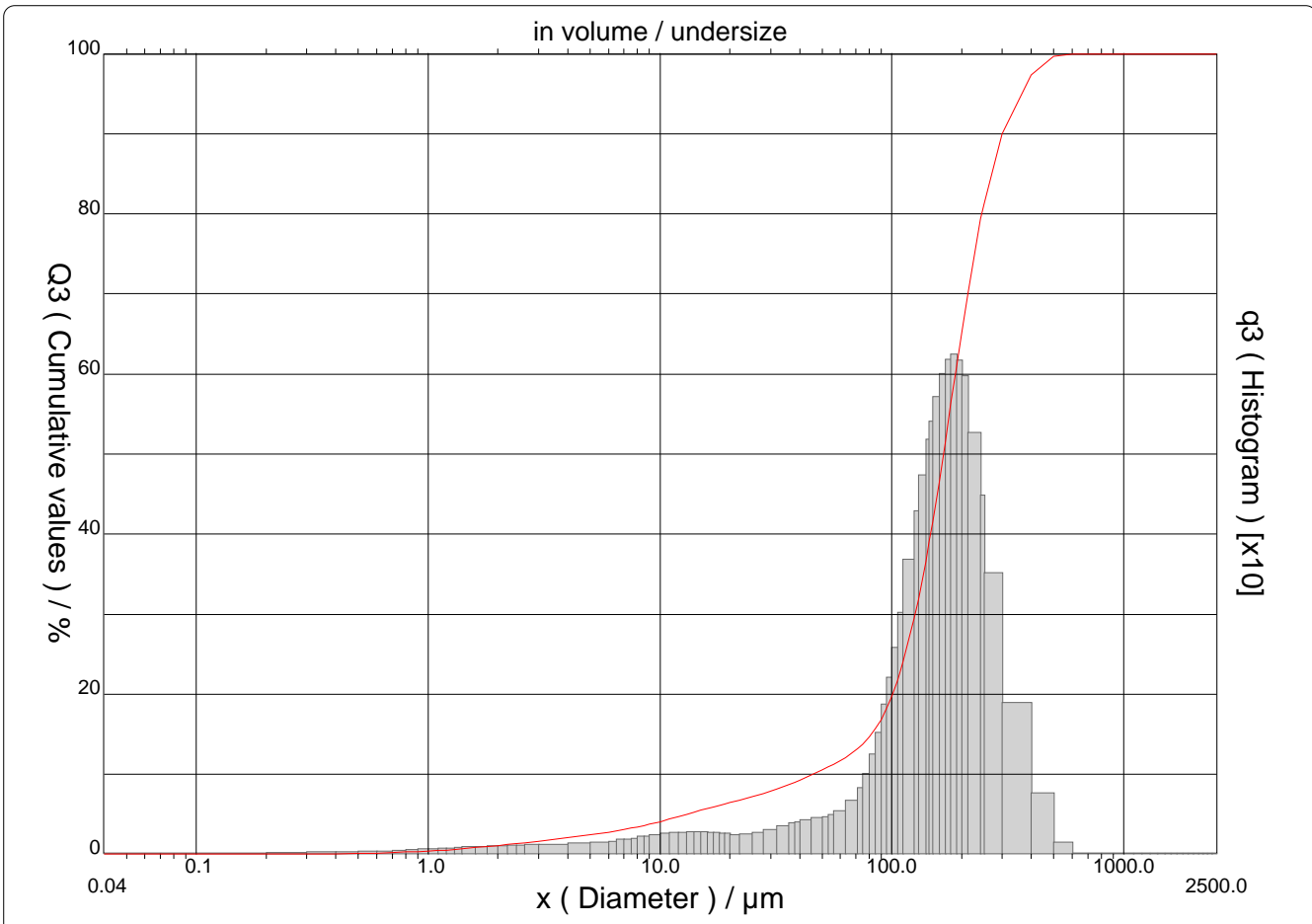
### Customer defined classes

### 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	2.03	11.99	16.36	29.53	54.86	81.34	94.73	99.67	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-05\_38-40cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 02:12:36PM  
 Index meas. : 2943  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 45.67 µm  
 Diameter at 50% : 166.94 µm  
 Diameter at 90% : 299.87 µm  
 Mean diameter : 175.88 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	0.00	0.00	0.00	0.05	0.09	0.13	0.18	0.22	0.28
q3	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.34	0.41	0.48	0.55	0.62	0.69	0.84	0.97	1.10	1.22
q3	0.04	0.05	0.05	0.06	0.06	0.07	0.08	0.08	0.09	0.09
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.34	1.45	1.65	2.07	2.44	2.78	2.94	3.11	3.27	3.43
q3	0.10	0.10	0.10	0.11	0.12	0.14	0.15	0.17	0.17	0.18
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	3.60	3.76	4.09	4.41	4.71	4.99	5.26	5.51	5.74	5.95
q3	0.21	0.21	0.23	0.25	0.25	0.26	0.27	0.27	0.26	0.25
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	6.15	6.33	6.50	6.80	7.22	7.62	8.15	8.69	8.97	9.24
q3	0.26	0.24	0.24	0.23	0.24	0.26	0.29	0.34	0.38	0.39
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	9.91	10.55	10.91	11.27	12.11	13.18	13.79	14.66	15.68	16.85
q3	0.42	0.45	0.45	0.48	0.52	0.66	0.82	0.99	1.24	1.50
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	18.22	19.75	21.79	24.04	29.53	31.81	36.57	39.04	41.53	46.54
q3	1.86	2.19	2.57	3.00	3.67	4.27	4.72	5.17	5.39	5.70
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	51.48	56.28	60.87	65.17	69.90	79.36	81.34	90.02	97.39	99.67
q3	5.98	6.17	6.23	6.16	5.96	5.25	4.47	3.50	1.88	0.75
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	0.13	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-05\_40-42cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 02:20:01PM  
 Index meas. : 2944  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 16 %  
 Diameter at 10% : 10.30  $\mu\text{m}$   
 Diameter at 50% : 155.46  $\mu\text{m}$   
 Diameter at 90% : 317.45  $\mu\text{m}$   
 Mean diameter : 160.26  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

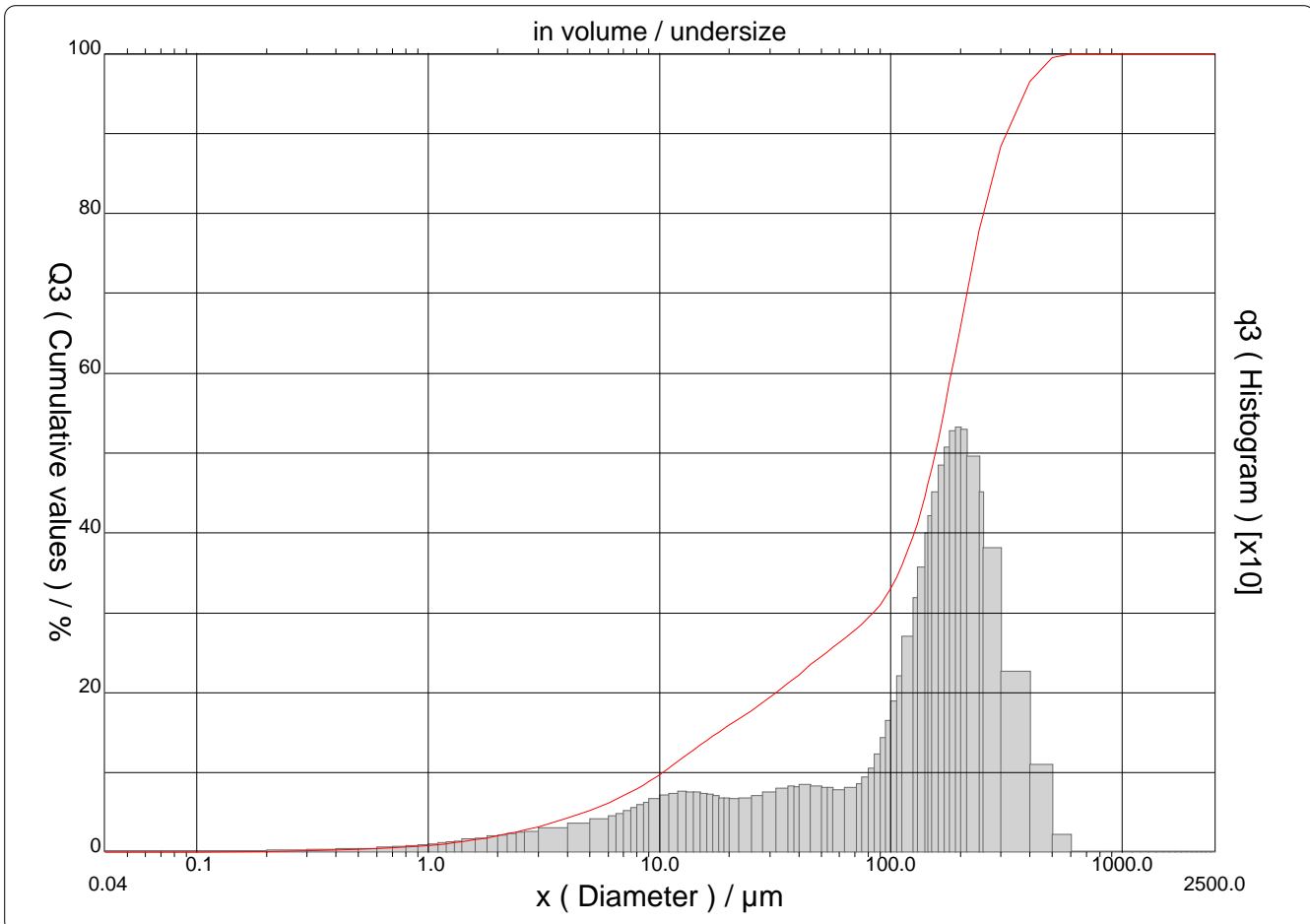
### Customer defined classes

### 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	4.23	26.68	30.66	39.60	57.83	79.75	93.44	99.53	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-05\_40-42cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 02:20:01PM  
 Index meas. : 2944  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 16 %  
 Diameter at 10% : 10.30 µm  
 Diameter at 50% : 155.46 µm  
 Diameter at 90% : 317.45 µm  
 Mean diameter : 160.26 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	0.05	0.07	0.15	0.24	0.32	0.40	0.48	0.57	0.67
q3	0.00	0.01	0.00	0.01	0.02	0.02	0.03	0.04	0.05	0.06
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.77	0.88	0.99	1.11	1.23	1.35	1.60	1.84	2.09	2.33
q3	0.07	0.08	0.09	0.11	0.12	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	2.57	2.81	3.26	4.33	5.31	6.23	6.67	7.11	7.55	7.99
q3	0.22	0.24	0.25	0.30	0.35	0.40	0.44	0.47	0.51	0.54
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	8.43	8.87	9.74	10.58	11.37	12.12	12.81	13.45	14.03	14.57
q3	0.58	0.62	0.66	0.70	0.73	0.75	0.74	0.74	0.72	0.71
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	15.07	15.52	15.95	16.73	17.80	18.79	20.03	21.19	21.74	22.26
q3	0.70	0.66	0.67	0.65	0.67	0.70	0.74	0.79	0.81	0.81
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	23.49	24.57	25.15	25.70	26.84	28.03	28.61	29.36	30.15	31.02
q3	0.83	0.82	0.80	0.80	0.77	0.80	0.85	0.93	1.04	1.22
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	31.98	33.03	34.40	35.91	39.60	41.16	44.46	46.21	47.99	51.62
q3	1.42	1.64	1.88	2.19	2.68	3.18	3.56	3.98	4.19	4.49
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	55.29	58.91	62.47	65.88	69.73	77.92	79.75	88.41	96.50	99.53
q3	4.84	5.06	5.26	5.31	5.28	4.94	4.50	3.79	2.25	1.08
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	0.21	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-05\_42-44cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 02:28:06PM  
 Index meas. : 2945  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 13 %  
 Diameter at 10% : 14.57  $\mu\text{m}$   
 Diameter at 50% : 154.38  $\mu\text{m}$   
 Diameter at 90% : 293.63  $\mu\text{m}$   
 Mean diameter : 159.37  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

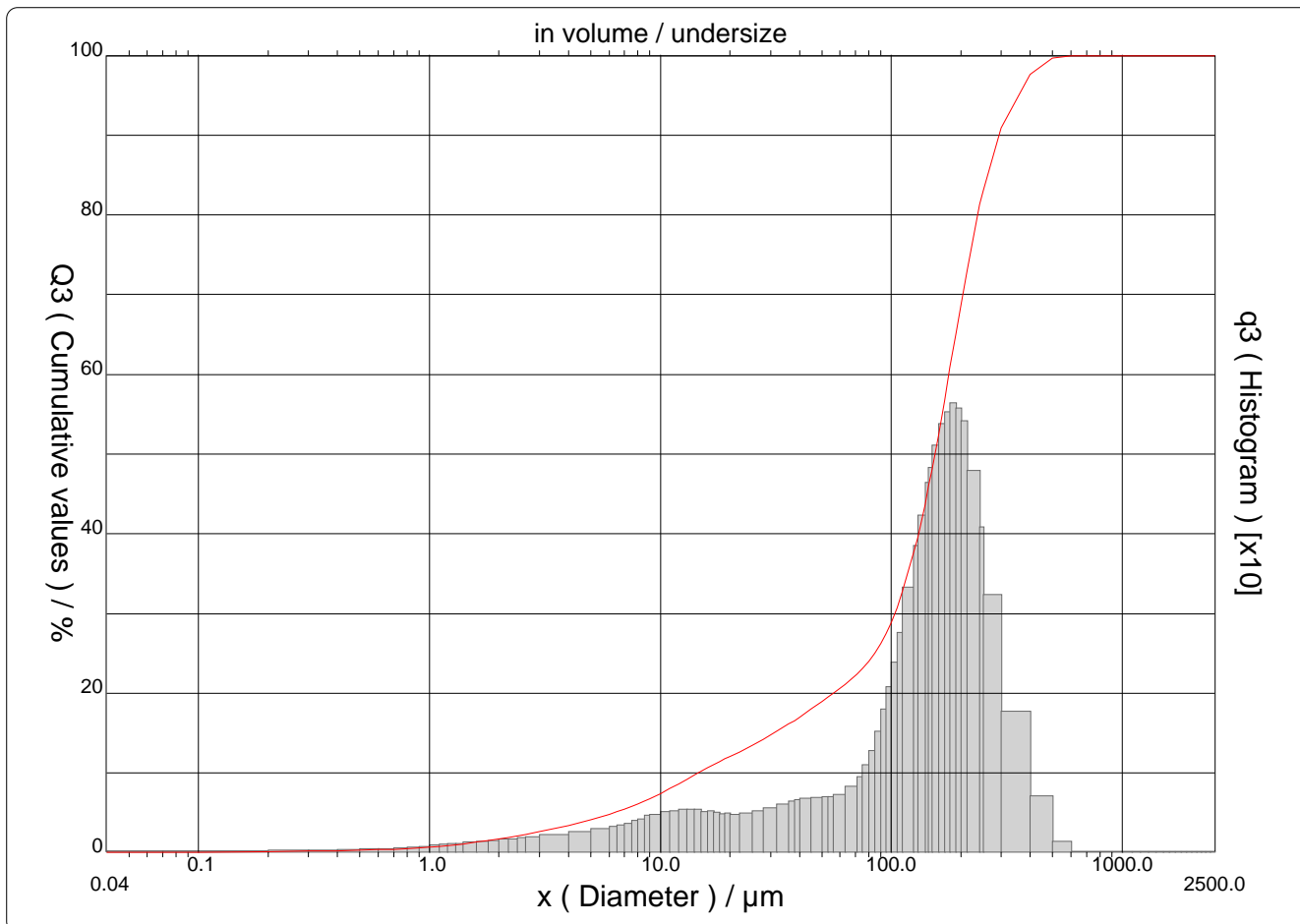
### Customer defined classes

### 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	3.32	20.98	25.73	37.57	59.69	83.11	95.19	99.69	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-05\_42-44cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 02:28:06PM  
 Index meas. : 2945  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 13 %  
 Diameter at 10% : 14.57 µm  
 Diameter at 50% : 154.38 µm  
 Diameter at 90% : 293.63 µm  
 Mean diameter : 159.37 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	0.06	0.13	0.19	0.26	0.32	0.39	0.46	0.54
q3	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.05
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.62	0.71	0.81	0.91	1.01	1.11	1.31	1.51	1.70	1.90
q3	0.05	0.06	0.08	0.09	0.09	0.10	0.11	0.13	0.14	0.16
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	2.08	2.26	2.61	3.40	4.12	4.80	5.13	5.46	5.78	6.11
q3	0.16	0.17	0.18	0.21	0.24	0.28	0.31	0.34	0.35	0.38
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	6.44	6.78	7.42	8.05	8.64	9.20	9.72	10.20	10.63	11.04
q3	0.41	0.45	0.46	0.50	0.51	0.53	0.53	0.52	0.50	0.51
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	11.41	11.75	12.08	12.67	13.48	14.24	15.20	16.13	16.58	17.02
q3	0.49	0.47	0.48	0.47	0.48	0.50	0.54	0.59	0.63	0.65
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	18.06	19.00	19.53	20.03	21.14	22.43	23.11	24.04	25.06	26.20
q3	0.66	0.67	0.68	0.68	0.71	0.81	0.93	1.08	1.27	1.50
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	27.48	28.89	30.73	32.74	37.57	39.57	43.72	45.88	48.05	52.42
q3	1.78	2.07	2.38	2.75	3.31	3.84	4.21	4.63	4.82	5.09
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	56.74	60.93	64.97	68.76	72.94	81.35	83.11	90.92	97.62	99.69
q3	5.36	5.52	5.62	5.56	5.40	4.78	4.07	3.22	1.75	0.70
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	0.13	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-05\_44-46cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 02:35:10PM  
 Index meas. : 2946  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 22.96  $\mu\text{m}$   
 Diameter at 50% : 162.28  $\mu\text{m}$   
 Diameter at 90% : 293.93  $\mu\text{m}$   
 Mean diameter : 167.36  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

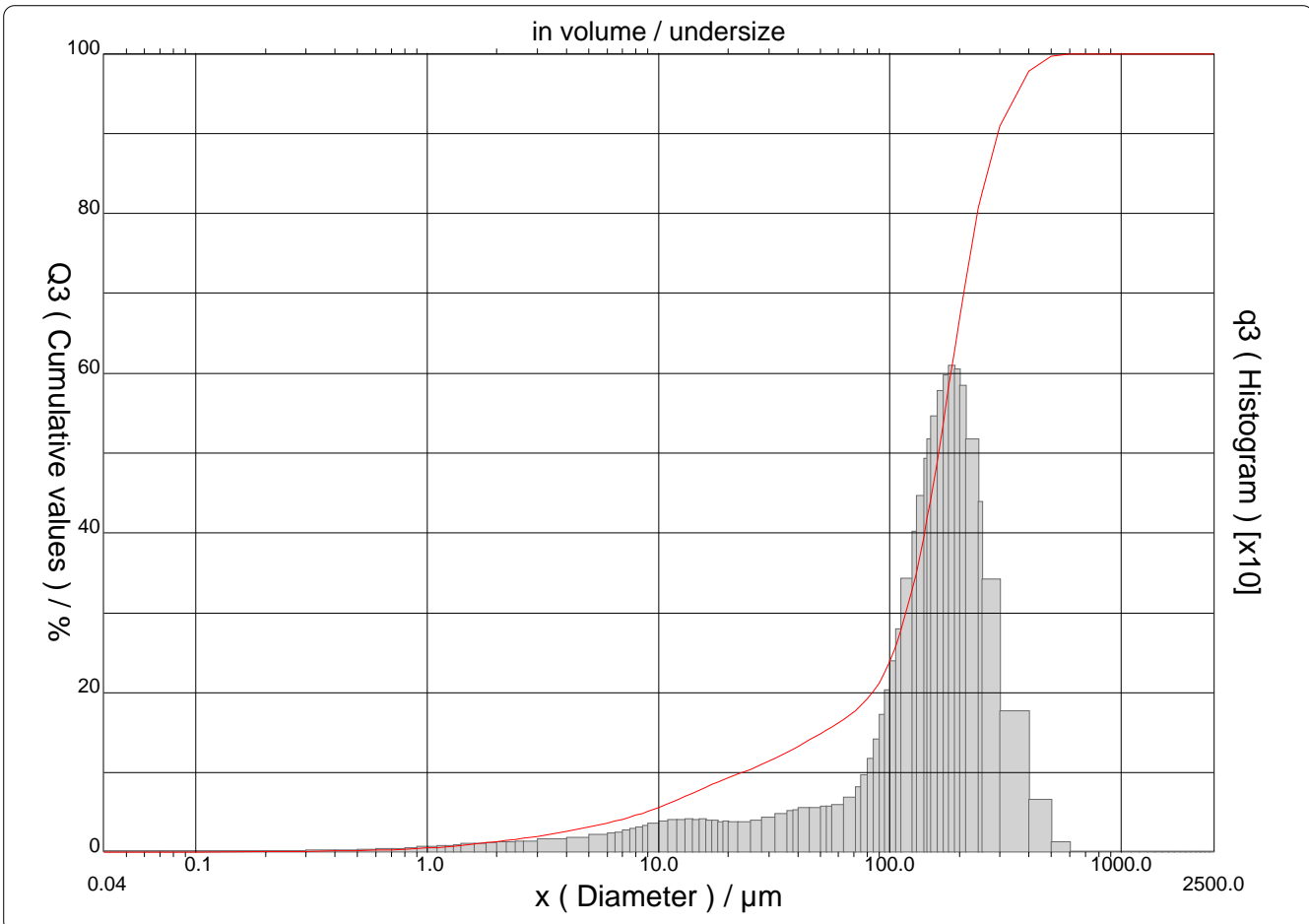
### Customer defined classes

### 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	2.58	16.54	20.78	32.89	56.86	82.56	95.37	99.72	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-05\_44-46cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 02:35:10PM  
 Index meas. : 2946  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 22.96 µm  
 Diameter at 50% : 162.28 µm  
 Diameter at 90% : 293.93 µm  
 Mean diameter : 167.36 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	0.03	0.05	0.10	0.15	0.20	0.25	0.30	0.36	0.42
q3	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.03	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.49	0.57	0.65	0.73	0.81	0.89	1.06	1.22	1.37	1.52
q3	0.04	0.06	0.06	0.07	0.07	0.08	0.09	0.10	0.11	0.12
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.66	1.80	2.05	2.64	3.17	3.68	3.93	4.17	4.42	4.67
q3	0.12	0.13	0.13	0.15	0.18	0.21	0.23	0.24	0.27	0.29
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	4.92	5.17	5.67	6.15	6.61	7.04	7.45	7.82	8.17	8.49
q3	0.31	0.32	0.35	0.37	0.39	0.40	0.41	0.40	0.40	0.39
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	8.79	9.06	9.32	9.79	10.42	11.01	11.77	12.52	12.89	13.25
q3	0.39	0.37	0.38	0.37	0.36	0.39	0.42	0.47	0.51	0.52
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	14.11	14.89	15.33	15.75	16.68	17.77	18.37	19.20	20.15	21.23
q3	0.54	0.55	0.56	0.56	0.58	0.68	0.81	0.95	1.16	1.40
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	22.48	23.88	25.75	27.82	32.89	35.01	39.46	41.79	44.15	48.90
q3	1.71	2.02	2.38	2.78	3.42	4.00	4.45	4.92	5.16	5.45
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	53.62	58.22	62.66	66.84	71.43	80.64	82.56	90.94	97.78	99.72
q3	5.77	5.96	6.08	6.04	5.83	5.15	4.37	3.40	1.76	0.64
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	0.11	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-05\_46-48cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 02:42:21PM  
 Index meas. : 2947  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 19 %  
 Diameter at 10% : 11.26  $\mu\text{m}$   
 Diameter at 50% : 145.71  $\mu\text{m}$   
 Diameter at 90% : 283.48  $\mu\text{m}$   
 Mean diameter : 149.16  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

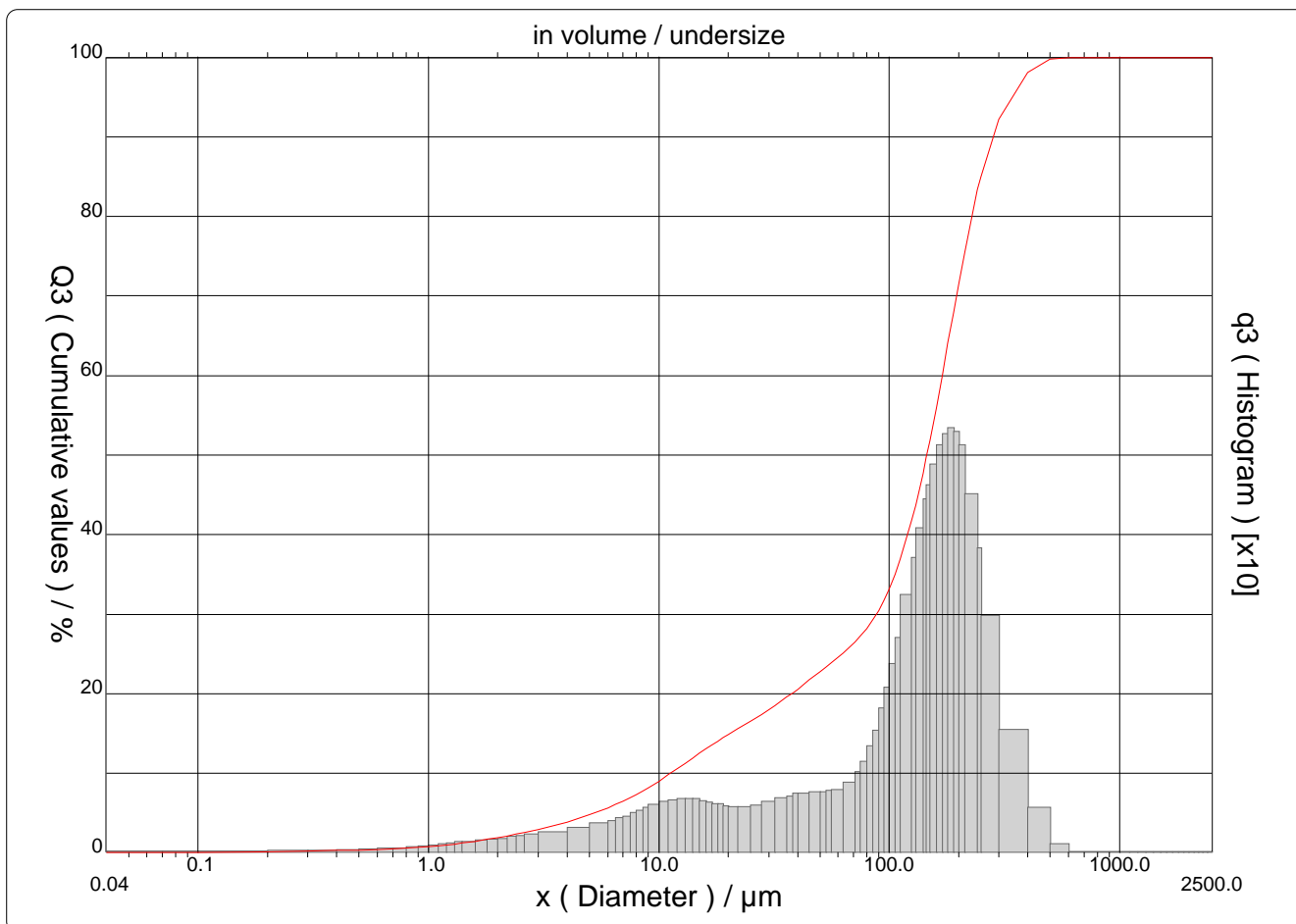
### Customer defined classes

### 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	3.82	24.96	29.98	41.69	62.88	85.03	96.04	99.76	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-05\_46-48cm  
Sample Name :  
Sample type : Mixed  
Comments :  
Liquid : Water (eau)  
Dispersing agent :  
Operator : Olivia  
Company :  
Location :  
Date : 07/13/2023 Time : 02:42:21PM  
Index meas. : 2947  
Database name : Granulog

Ultrasounds : 15 s (+during)  
Obscuration : 19 %  
Diameter at 10% : 11.26 µm  
Diameter at 50% : 145.71 µm  
Diameter at 90% : 283.48 µm  
Mean diameter : 149.16 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	0.06	0.13	0.21	0.28	0.35	0.43	0.51	0.59
q3	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.03	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	0.69	0.79	0.89	1.00	1.11	1.23	1.45	1.68	1.90	2.11
q3	0.06	0.07	0.08	0.10	0.10	0.12	0.12	0.15	0.16	0.17
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	2.33	2.54	2.95	3.91	4.81	5.67	6.08	6.50	6.91	7.33
q3	0.19	0.20	0.22	0.25	0.30	0.35	0.39	0.43	0.45	0.49
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	7.75	8.17	9.00	9.80	10.55	11.26	11.92	12.53	13.08	13.58
q3	0.52	0.55	0.59	0.63	0.65	0.67	0.67	0.66	0.64	0.62
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	14.04	14.47	14.86	15.57	16.53	17.41	18.52	19.58	20.08	20.58
q3	0.60	0.60	0.57	0.56	0.56	0.58	0.62	0.68	0.70	0.73
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	21.73	22.78	23.36	23.92	25.14	26.53	27.26	28.23	29.30	30.46
q3	0.73	0.75	0.75	0.76	0.78	0.87	1.00	1.13	1.33	1.53
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	31.76	33.17	35.00	36.97	41.69	43.62	47.63	49.70	51.78	55.96
q3	1.81	2.07	2.36	2.69	3.23	3.70	4.07	4.43	4.61	4.87
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	60.08	64.07	67.90	71.50	75.46	83.38	85.03	92.24	98.11	99.76
q3	5.11	5.25	5.32	5.28	5.11	4.50	3.81	2.97	1.53	0.56
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	0.10	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-05\_48-50cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 02:53:16PM  
 Index meas. : 2948  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 37.06  $\mu\text{m}$   
 Diameter at 50% : 190.23  $\mu\text{m}$   
 Diameter at 90% : 350.47  $\mu\text{m}$   
 Mean diameter : 197.81  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

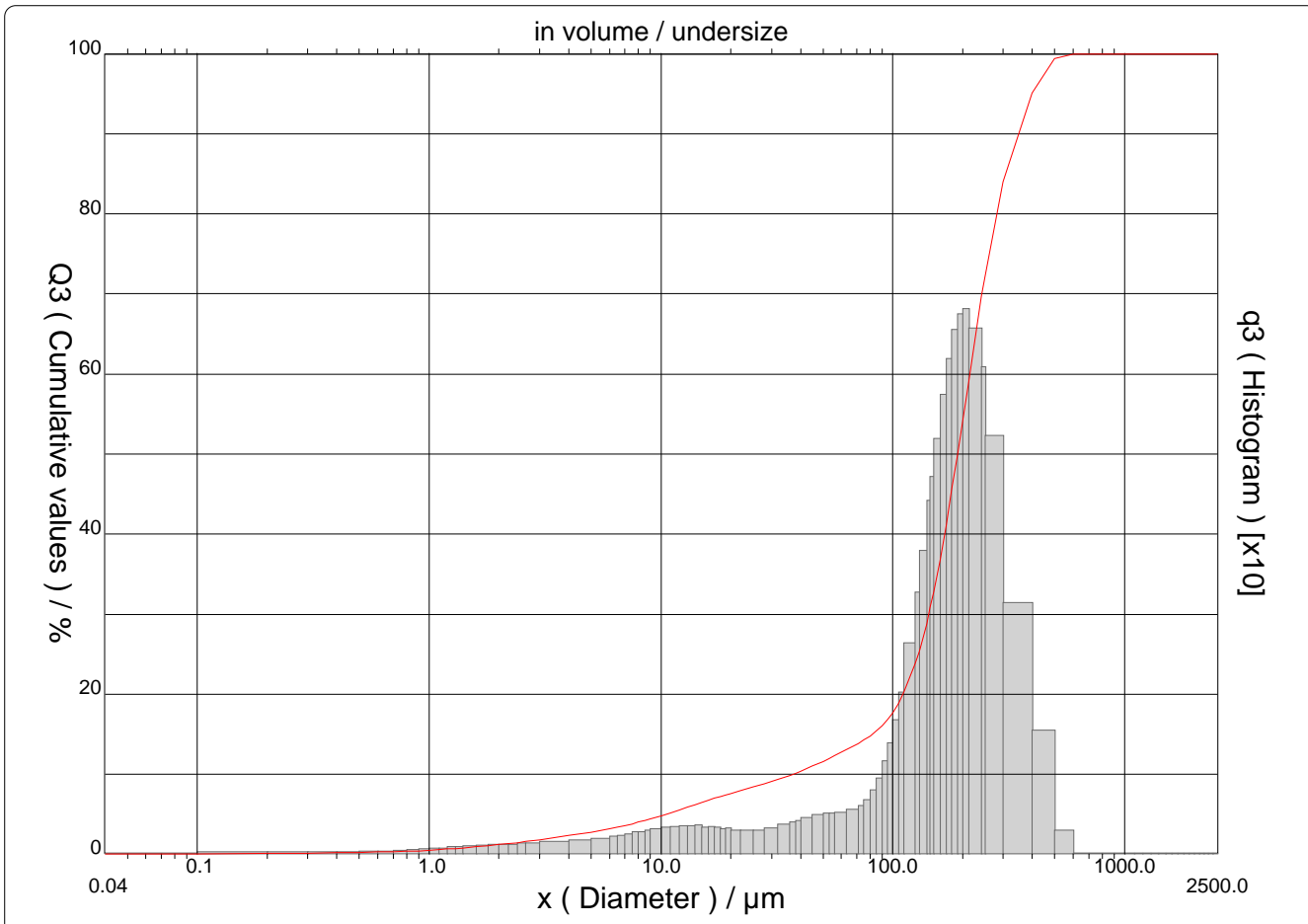
### Customer defined classes

### 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	2.28	12.98	15.78	23.83	44.22	72.23	90.88	99.35	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-05\_48-50cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 02:53:16PM  
 Index meas. : 2948  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 37.06  $\mu\text{m}$   
 Diameter at 50% : 190.23  $\mu\text{m}$   
 Diameter at 90% : 350.47  $\mu\text{m}$   
 Mean diameter : 197.81  $\mu\text{m}$   
 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	0.10	0.15	0.19	0.23	0.28	0.33	0.39
q3	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.03	0.04
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.45	0.52	0.59	0.66	0.74	0.81	0.96	1.10	1.24	1.37
q3	0.04	0.05	0.06	0.07	0.08	0.08	0.09	0.10	0.11	0.11
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.49	1.61	1.83	2.33	2.78	3.20	3.41	3.61	3.81	4.02
q3	0.11	0.12	0.12	0.14	0.16	0.19	0.21	0.22	0.23	0.26
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	4.22	4.42	4.81	5.19	5.55	5.89	6.20	6.50	6.76	7.01
q3	0.27	0.28	0.30	0.32	0.33	0.34	0.34	0.35	0.33	0.33
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	7.24	7.44	7.64	7.98	8.43	8.83	9.34	9.86	10.12	10.38
q3	0.33	0.30	0.32	0.29	0.28	0.29	0.31	0.36	0.39	0.41
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	11.02	11.64	12.00	12.34	13.08	13.88	14.28	14.81	15.40	16.06
q3	0.44	0.48	0.50	0.50	0.51	0.54	0.59	0.66	0.79	0.93
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	16.83	17.70	18.90	20.27	23.83	25.41	28.87	30.78	32.75	36.88
q3	1.15	1.37	1.67	2.01	2.62	3.26	3.78	4.40	4.70	5.18
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	41.17	45.53	49.90	54.17	59.07	69.79	72.23	83.99	95.11	99.35
q3	5.72	6.17	6.54	6.73	6.80	6.55	6.07	5.22	3.13	1.54
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 /  $\mu\text{m}$     Q3 : cumulative value / %    q3 : population density

# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-05\_50-52cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 03:00:25PM  
 Index meas. : 2949  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 12.88  $\mu\text{m}$   
 Diameter at 50% : 166.73  $\mu\text{m}$   
 Diameter at 90% : 332.54  $\mu\text{m}$   
 Mean diameter : 171.86  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

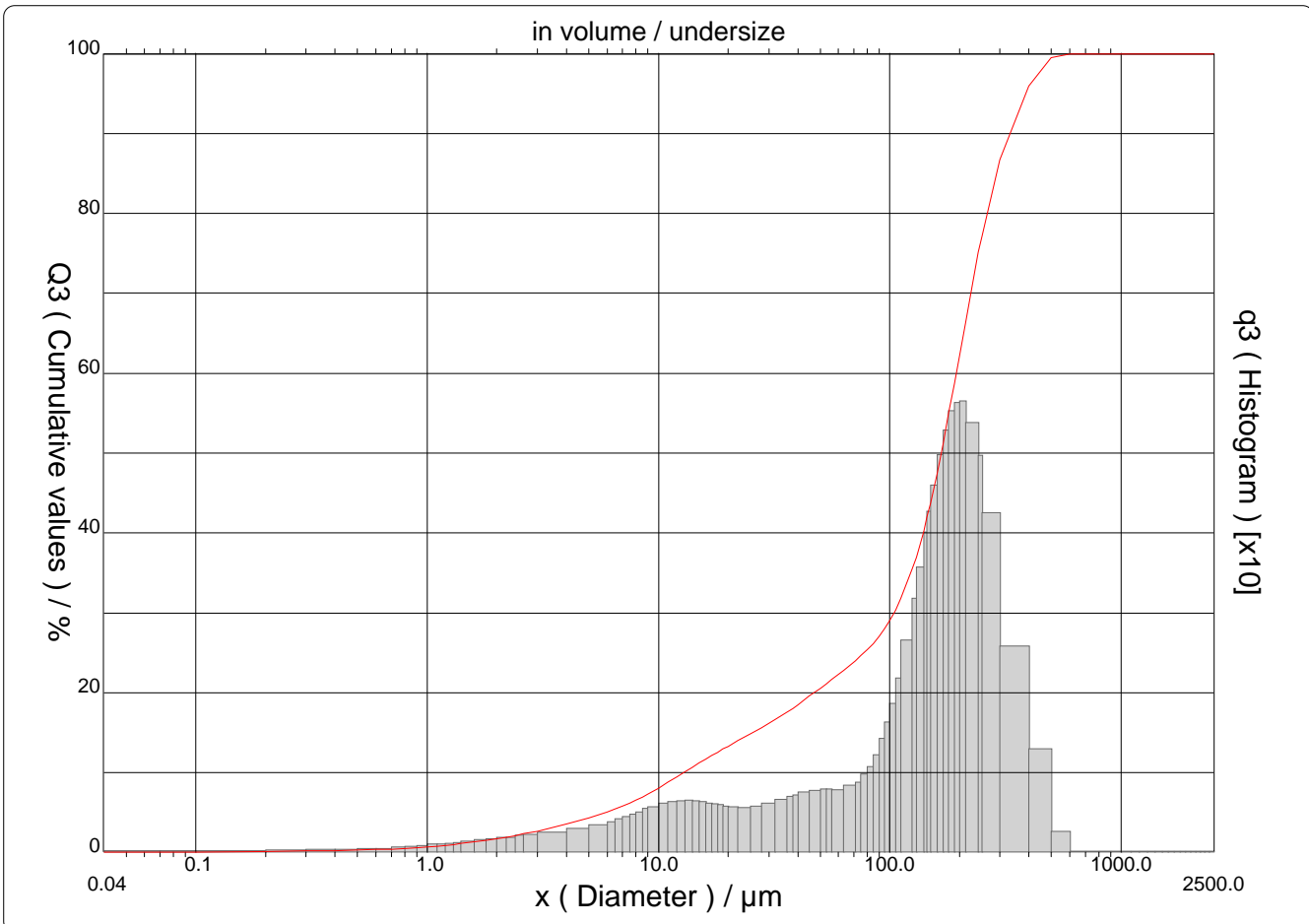
### Customer defined classes

### 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	3.47	22.65	26.69	35.45	53.82	77.12	92.39	99.45	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-05\_50-52cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 03:00:25PM  
 Index meas. : 2949  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 12.88 µm  
 Diameter at 50% : 166.73 µm  
 Diameter at 90% : 332.54 µm  
 Mean diameter : 171.86 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	0.06	0.12	0.19	0.26	0.32	0.39	0.46	0.54
q3	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.03	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	0.63	0.72	0.82	0.92	1.02	1.12	1.33	1.54	1.74	1.94
q3	0.06	0.07	0.08	0.09	0.10	0.11	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	2.33	2.70	3.56	4.35	5.10	5.47	5.84	6.21	6.58
q3	0.18	0.20	0.21	0.24	0.29	0.33	0.37	0.40	0.43	0.46
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	6.95	7.33	8.06	8.77	9.44	10.07	10.66	11.20	11.70	12.15
q3	0.49	0.54	0.56	0.60	0.62	0.63	0.64	0.63	0.62	0.60
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	12.57	12.96	13.32	13.98	14.85	15.65	16.65	17.60	18.06	18.51
q3	0.59	0.58	0.57	0.56	0.55	0.57	0.60	0.65	0.68	0.71
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	19.59	20.58	21.14	21.67	22.80	24.02	24.61	25.38	26.18	27.04
q3	0.74	0.76	0.77	0.77	0.77	0.82	0.87	0.96	1.06	1.21
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	27.99	29.02	30.36	31.84	35.45	36.99	40.26	42.00	43.79	47.46
q3	1.41	1.62	1.85	2.16	2.65	3.16	3.55	3.99	4.25	4.58
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	51.20	54.94	58.64	62.22	66.30	75.12	77.12	86.71	95.90	99.45
q3	4.97	5.27	5.51	5.62	5.64	5.36	4.95	4.23	2.57	1.28
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	0.24	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-05\_52-54cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 03:08:13PM  
 Index meas. : 2950  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 13 %  
 Diameter at 10% : 46.87  $\mu\text{m}$   
 Diameter at 50% : 215.63  $\mu\text{m}$   
 Diameter at 90% : 384.54  $\mu\text{m}$   
 Mean diameter : 222.86  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

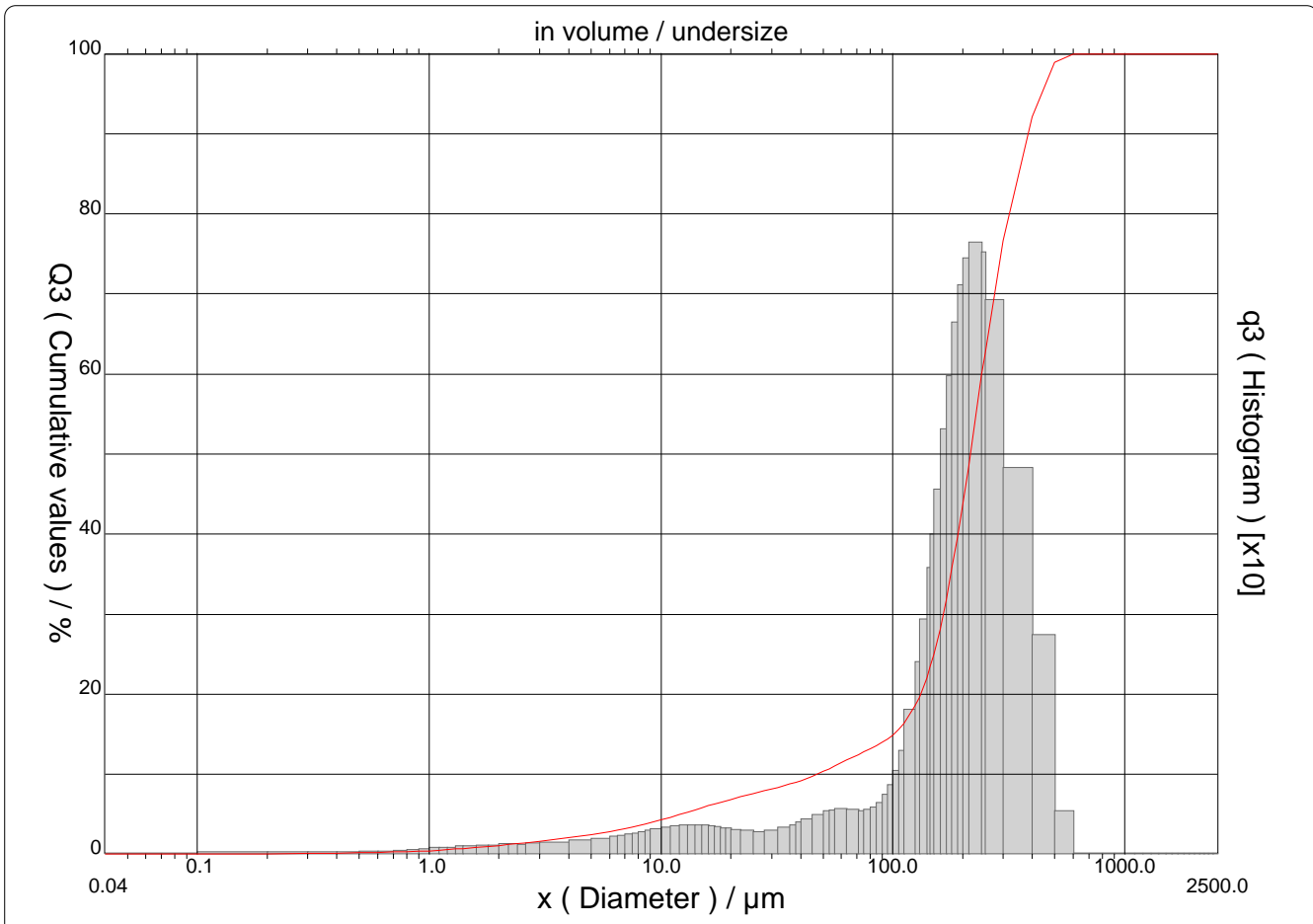
### Customer defined classes

### 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	2.03	11.65	13.82	18.57	34.46	62.57	85.89	98.93	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-05\_52-54cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 03:08:13PM  
 Index meas. : 2950  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 13 %  
 Diameter at 10% : 46.87 µm  
 Diameter at 50% : 215.63 µm  
 Diameter at 90% : 384.54 µm  
 Mean diameter : 222.86 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	0.00	0.00	0.08	0.13	0.17	0.20	0.25	0.29	0.34
q3	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.40	0.46	0.53	0.60	0.66	0.73	0.86	0.99	1.11	1.23
q3	0.05	0.05	0.07	0.07	0.07	0.08	0.09	0.10	0.10	0.11
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.34	1.44	1.64	2.07	2.47	2.84	3.03	3.21	3.39	3.57
q3	0.11	0.11	0.13	0.13	0.16	0.18	0.21	0.22	0.23	0.25
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	3.75	3.93	4.29	4.63	4.96	5.27	5.56	5.83	6.08	6.31
q3	0.27	0.28	0.31	0.32	0.34	0.35	0.35	0.35	0.35	0.34
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	6.52	6.71	6.89	7.20	7.60	7.94	8.37	8.79	9.00	9.22
q3	0.33	0.31	0.31	0.29	0.28	0.27	0.29	0.32	0.35	0.38
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	9.78	10.35	10.69	11.02	11.75	12.48	12.80	13.19	13.58	13.98
q3	0.43	0.48	0.52	0.54	0.55	0.55	0.52	0.54	0.58	0.63
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	14.42	14.91	15.58	16.37	18.57	19.62	22.04	23.44	24.95	28.23
q3	0.73	0.85	1.03	1.28	1.79	2.39	2.92	3.57	3.98	4.55
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	31.82	35.63	39.64	43.71	48.55	59.84	62.57	76.65	92.12	98.93
q3	5.30	5.96	6.63	7.10	7.43	7.63	7.51	6.91	4.81	2.73
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	0.52	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-05\_54-56cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 03:15:07PM  
 Index meas. : 2951  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 13 %  
 Diameter at 10% : 37.17  $\mu\text{m}$   
 Diameter at 50% : 219.78  $\mu\text{m}$   
 Diameter at 90% : 393.84  $\mu\text{m}$   
 Mean diameter : 226.37  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

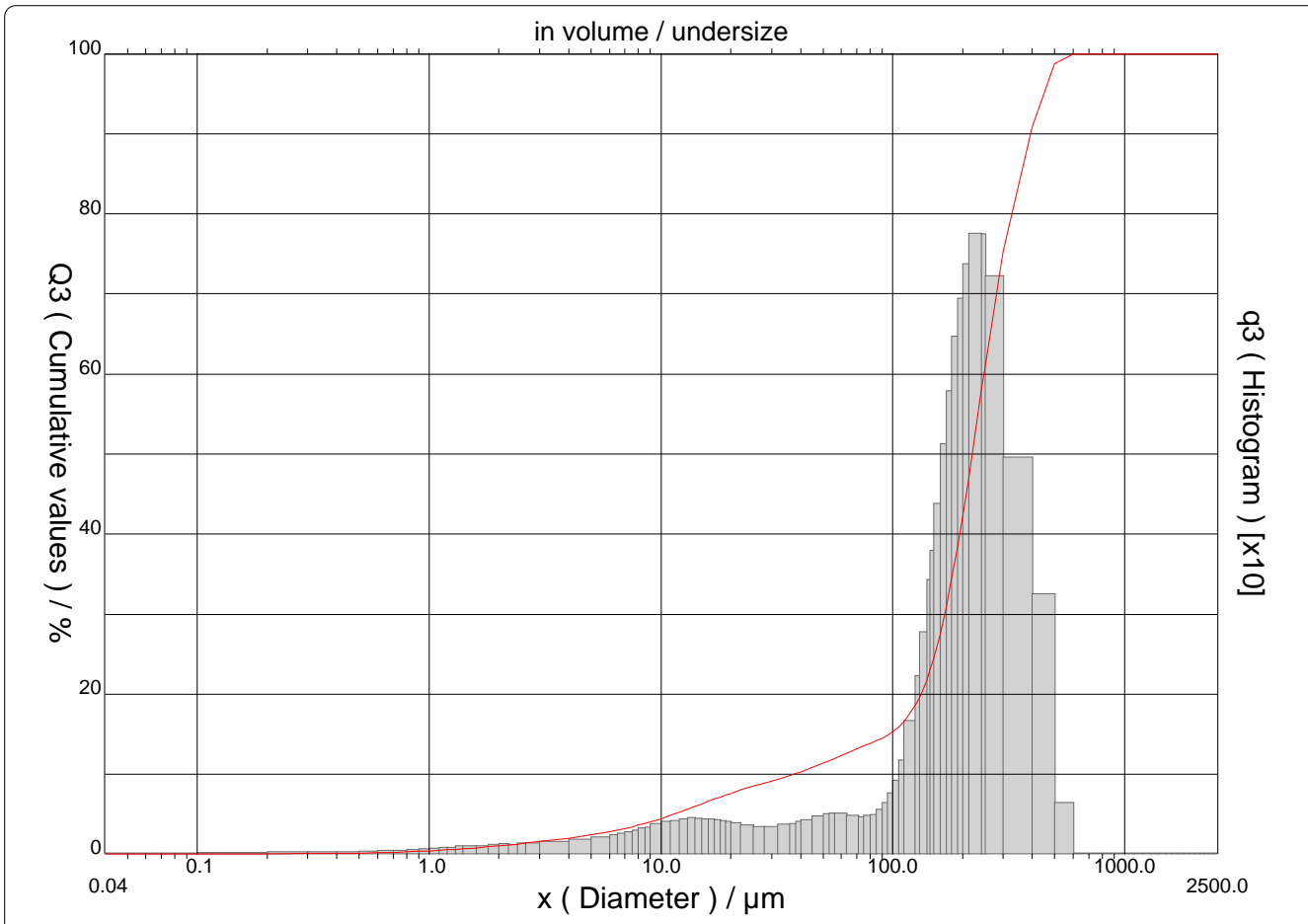
### Customer defined classes

### 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	1.99	12.54	14.37	18.57	33.44	60.90	84.44	98.74	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-05\_54-56cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 03:15:07PM  
 Index meas. : 2951  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 13 %  
 Diameter at 10% : 37.17 µm  
 Diameter at 50% : 219.78 µm  
 Diameter at 90% : 393.84 µm  
 Mean diameter : 226.37 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	0.00	0.00	0.07	0.12	0.15	0.18	0.22	0.27	0.32
q3	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.03	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.38	0.44	0.50	0.57	0.63	0.70	0.83	0.95	1.07	1.19
q3	0.05	0.05	0.06	0.07	0.07	0.09	0.09	0.09	0.10	0.12
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.29	1.40	1.59	2.03	2.44	2.84	3.04	3.24	3.44	3.64
q3	0.11	0.13	0.12	0.14	0.17	0.20	0.23	0.25	0.26	0.28
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	3.85	4.05	4.47	4.88	5.27	5.64	6.00	6.33	6.63	6.91
q3	0.32	0.32	0.36	0.39	0.41	0.42	0.44	0.44	0.42	0.42
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	7.17	7.41	7.63	8.02	8.51	8.92	9.41	9.87	10.09	10.31
q3	0.42	0.41	0.39	0.37	0.35	0.33	0.34	0.36	0.37	0.39
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	10.85	11.38	11.69	11.99	12.63	13.25	13.52	13.85	14.17	14.51
q3	0.42	0.46	0.49	0.50	0.50	0.47	0.45	0.47	0.48	0.54
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	14.88	15.30	15.88	16.58	18.57	19.52	21.76	23.07	24.47	27.55
q3	0.63	0.75	0.91	1.16	1.66	2.21	2.76	3.41	3.77	4.36
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	30.94	34.55	38.37	42.26	46.95	58.15	60.90	75.27	90.84	98.74
q3	5.11	5.77	6.46	6.93	7.36	7.74	7.73	7.20	4.95	3.24
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	0.63	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-05\_56-58cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 03:23:08PM  
 Index meas. : 2952  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 18 %  
 Diameter at 10% : 13.11  $\mu\text{m}$   
 Diameter at 50% : 184.74  $\mu\text{m}$   
 Diameter at 90% : 353.63  $\mu\text{m}$   
 Mean diameter : 187.94  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

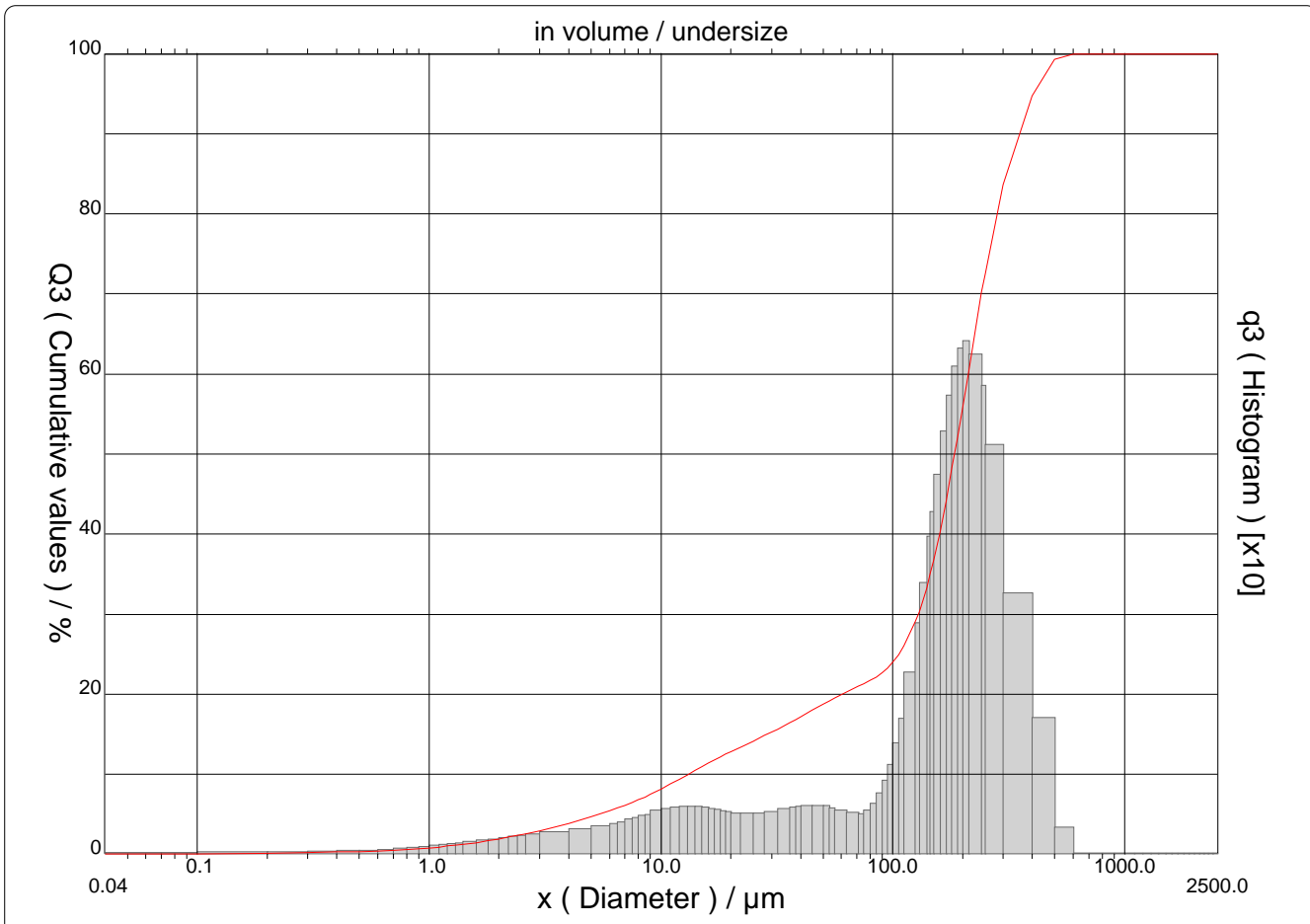
### Customer defined classes

### 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	3.80	20.18	22.47	29.00	46.93	72.50	90.43	99.30	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-05\_56-58cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 03:23:08PM  
 Index meas. : 2952  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 18 %  
 Diameter at 10% : 13.11 µm  
 Diameter at 50% : 184.74 µm  
 Diameter at 90% : 353.63 µm  
 Mean diameter : 187.94 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	0.28	0.36	0.44	0.52	0.61
q3	0.00	0.00	0.00	0.01	0.02	0.02	0.03	0.04	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	0.71	0.81	0.92	1.03	1.14	1.25	1.48	1.71	1.93	2.15
q3	0.07	0.08	0.10	0.11	0.11	0.12	0.14	0.16	0.17	0.19
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	2.37	2.58	2.98	3.88	4.69	5.43	5.78	6.12	6.47	6.81
q3	0.21	0.22	0.23	0.26	0.30	0.34	0.37	0.38	0.42	0.44
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	7.15	7.48	8.15	8.78	9.38	9.94	10.46	10.94	11.38	11.78
q3	0.47	0.48	0.53	0.55	0.58	0.59	0.59	0.58	0.57	0.55
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	12.15	12.49	12.81	13.38	14.14	14.82	15.65	16.43	16.80	17.16
q3	0.54	0.53	0.52	0.50	0.50	0.50	0.52	0.55	0.57	0.59
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	18.00	18.75	19.16	19.53	20.28	21.00	21.32	21.73	22.18	22.69
q3	0.60	0.60	0.59	0.56	0.53	0.50	0.49	0.53	0.62	0.75
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	23.28	23.96	24.92	26.03	29.00	30.35	33.34	35.00	36.73	40.38
q3	0.91	1.11	1.38	1.69	2.26	2.88	3.37	3.96	4.27	4.73
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	44.20	48.11	52.04	55.91	60.37	70.23	72.50	83.62	94.78	99.30
q3	5.27	5.72	6.08	6.31	6.40	6.23	5.84	5.10	3.24	1.69
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	0.32	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-05\_58-60cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 03:30:35PM  
 Index meas. : 2953  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 25.00  $\mu\text{m}$   
 Diameter at 50% : 209.11  $\mu\text{m}$   
 Diameter at 90% : 383.70  $\mu\text{m}$   
 Mean diameter : 215.13  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

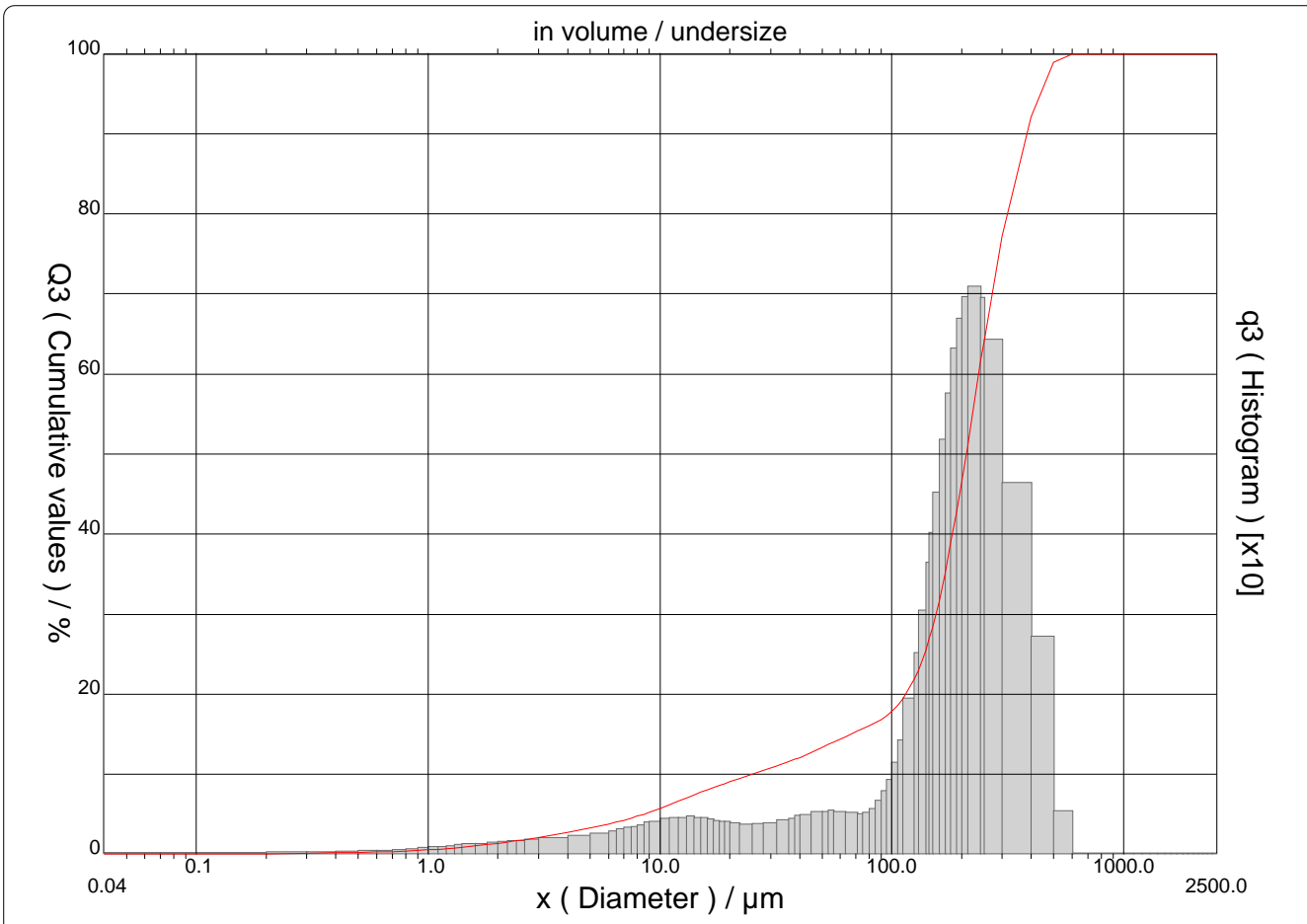
### Customer defined classes

### 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	2.66	14.62	16.69	21.85	37.75	64.11	86.05	98.93	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-05\_58-60cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 03:30:35PM  
 Index meas. : 2953  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 25.00  $\mu\text{m}$   
 Diameter at 50% : 209.11  $\mu\text{m}$   
 Diameter at 90% : 383.70  $\mu\text{m}$   
 Mean diameter : 215.13  $\mu\text{m}$   
 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	0.01	0.03	0.08	0.14	0.19	0.24	0.30	0.36	0.42
q3	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.03	0.03	0.04
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.49	0.57	0.65	0.73	0.81	0.90	1.07	1.23	1.39	1.54
q3	0.05	0.07	0.07	0.08	0.09	0.11	0.11	0.12	0.14	0.14
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.69	1.83	2.10	2.72	3.27	3.78	4.03	4.28	4.53	4.77
q3	0.15	0.16	0.17	0.19	0.22	0.25	0.28	0.30	0.32	0.33
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	5.01	5.26	5.73	6.19	6.62	7.02	7.40	7.74	8.06	8.35
q3	0.35	0.39	0.40	0.43	0.44	0.45	0.46	0.44	0.44	0.43
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	8.61	8.85	9.08	9.48	10.00	10.47	11.03	11.58	11.84	12.11
q3	0.41	0.40	0.40	0.37	0.36	0.37	0.37	0.42	0.43	0.47
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	12.75	13.36	13.70	14.03	14.71	15.39	15.69	16.06	16.44	16.86
q3	0.48	0.52	0.52	0.53	0.51	0.51	0.49	0.51	0.56	0.66
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	17.33	17.86	18.60	19.47	21.85	22.95	25.47	26.90	28.42	31.68
q3	0.78	0.92	1.13	1.41	1.93	2.50	3.03	3.63	4.00	4.50
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	35.19	38.87	42.69	46.53	51.07	61.58	64.11	77.22	92.16	98.93
q3	5.16	5.74	6.30	6.68	6.95	7.08	6.94	6.41	4.63	2.71
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	0.52	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 /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-05\_60-62cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 03:38:35PM  
 Index meas. : 2954  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 48.00  $\mu\text{m}$   
 Diameter at 50% : 188.80  $\mu\text{m}$   
 Diameter at 90% : 340.81  $\mu\text{m}$   
 Mean diameter : 197.22  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

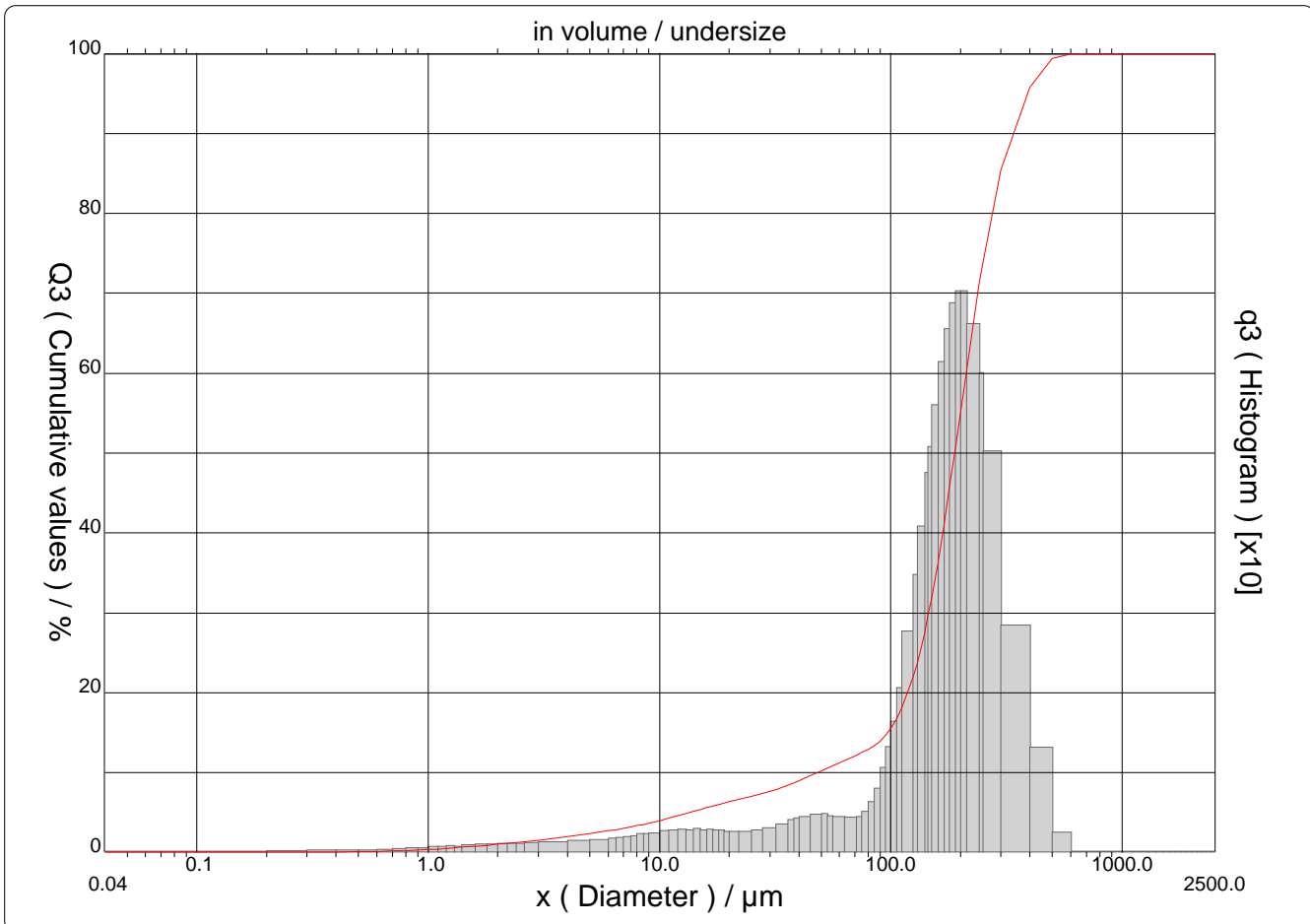
### Customer defined classes

### 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	1.96	11.46	13.71	21.99	44.42	73.84	91.92	99.44	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-05\_60-62cm  
Sample Name :  
Sample type : Mixed  
Comments :  
Liquid : Water (eau)  
Dispersing agent :  
Operator : Olivia  
Company :  
Location :  
Date : 07/13/2023 Time : 03:38:35PM  
Index meas. : 2954  
Database name : Granulog

Ultrasounds : 15 s (+during)  
Obscuration : 14 %  
Diameter at 10% : 48.00 µm  
Diameter at 50% : 188.80 µm  
Diameter at 90% : 340.81 µm  
Mean diameter : 197.22 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	0.00	0.00	0.00	0.04	0.09	0.13	0.17	0.22	0.27
q3	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.03	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.33	0.39	0.46	0.53	0.60	0.66	0.80	0.93	1.05	1.17
q3	0.04	0.04	0.06	0.06	0.07	0.06	0.08	0.09	0.09	0.10
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.28	1.38	1.58	2.00	2.37	2.71	2.88	3.04	3.20	3.36
q3	0.10	0.10	0.11	0.12	0.13	0.15	0.17	0.17	0.18	0.20
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	3.53	3.69	4.00	4.31	4.60	4.88	5.13	5.38	5.60	5.81
q3	0.22	0.22	0.23	0.26	0.26	0.28	0.27	0.29	0.27	0.27
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	6.00	6.18	6.34	6.64	7.04	7.42	7.92	8.43	8.70	8.97
q3	0.26	0.26	0.25	0.25	0.25	0.26	0.30	0.34	0.39	0.42
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	9.62	10.24	10.59	10.90	11.55	12.19	12.49	12.90	13.38	13.95
q3	0.44	0.46	0.47	0.44	0.44	0.42	0.43	0.50	0.62	0.79
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	14.67	15.52	16.72	18.15	21.99	23.71	27.53	29.64	31.82	36.39
q3	1.05	1.31	1.62	2.05	2.76	3.46	4.06	4.74	5.07	5.58
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	41.10	45.84	50.55	55.11	60.29	71.37	73.84	85.42	95.75	99.44
q3	6.13	6.54	6.87	7.01	7.01	6.60	5.99	5.01	2.83	1.30
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	0.24	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-05\_62-64cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 03:47:12PM  
 Index meas. : 2955  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 25.05  $\mu\text{m}$   
 Diameter at 50% : 172.77  $\mu\text{m}$   
 Diameter at 90% : 302.80  $\mu\text{m}$   
 Mean diameter : 176.52  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

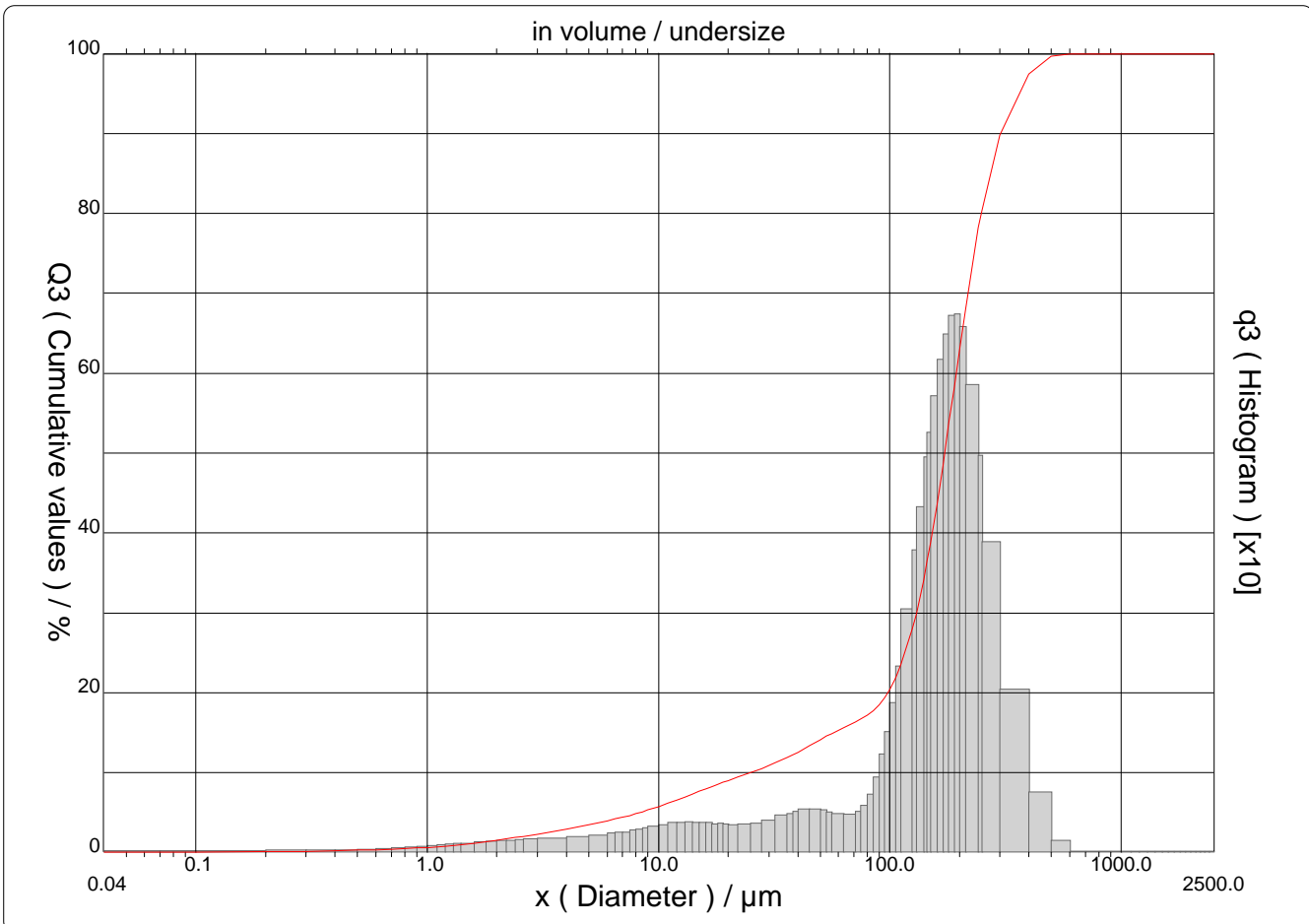
### Customer defined classes

### 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	2.87	15.54	18.18	27.92	52.05	80.38	94.73	99.68	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-05\_62-64cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 03:47:12PM  
 Index meas. : 2955  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 25.05 µm  
 Diameter at 50% : 172.77 µm  
 Diameter at 90% : 302.80 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	0.00	0.02	0.03	0.10	0.17	0.23	0.28	0.34	0.41	0.48
q3	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.02	0.03	0.04
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.56	0.64	0.73	0.82	0.91	1.01	1.19	1.37	1.54	1.71
q3	0.05	0.06	0.07	0.08	0.08	0.10	0.10	0.12	0.12	0.13
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.87	2.02	2.31	2.93	3.47	3.96	4.20	4.43	4.65	4.88
q3	0.14	0.14	0.15	0.16	0.18	0.20	0.23	0.23	0.24	0.27
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	5.10	5.32	5.76	6.18	6.59	6.97	7.33	7.66	7.97	8.26
q3	0.27	0.29	0.31	0.33	0.36	0.36	0.37	0.36	0.36	0.36
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	8.52	8.77	9.00	9.42	9.99	10.51	11.20	11.90	12.24	12.58
q3	0.34	0.35	0.34	0.33	0.34	0.35	0.39	0.45	0.47	0.50
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	13.40	14.14	14.54	14.90	15.63	16.36	16.72	17.21	17.78	18.48
q3	0.52	0.53	0.52	0.49	0.47	0.46	0.49	0.57	0.71	0.92
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	19.35	20.37	21.81	23.50	27.92	29.88	34.12	36.42	38.78	43.66
q3	1.21	1.50	1.86	2.31	3.03	3.77	4.31	4.94	5.25	5.70
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	48.61	53.52	58.33	62.91	67.99	78.24	80.38	89.75	97.48	99.68
q3	6.15	6.47	6.70	6.73	6.57	5.84	4.96	3.87	2.02	0.74
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	0.13	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-05\_64-66cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 03:54:53PM  
 Index meas. : 2956  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 18.13  $\mu\text{m}$   
 Diameter at 50% : 167.48  $\mu\text{m}$   
 Diameter at 90% : 294.37  $\mu\text{m}$   
 Mean diameter : 168.86  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

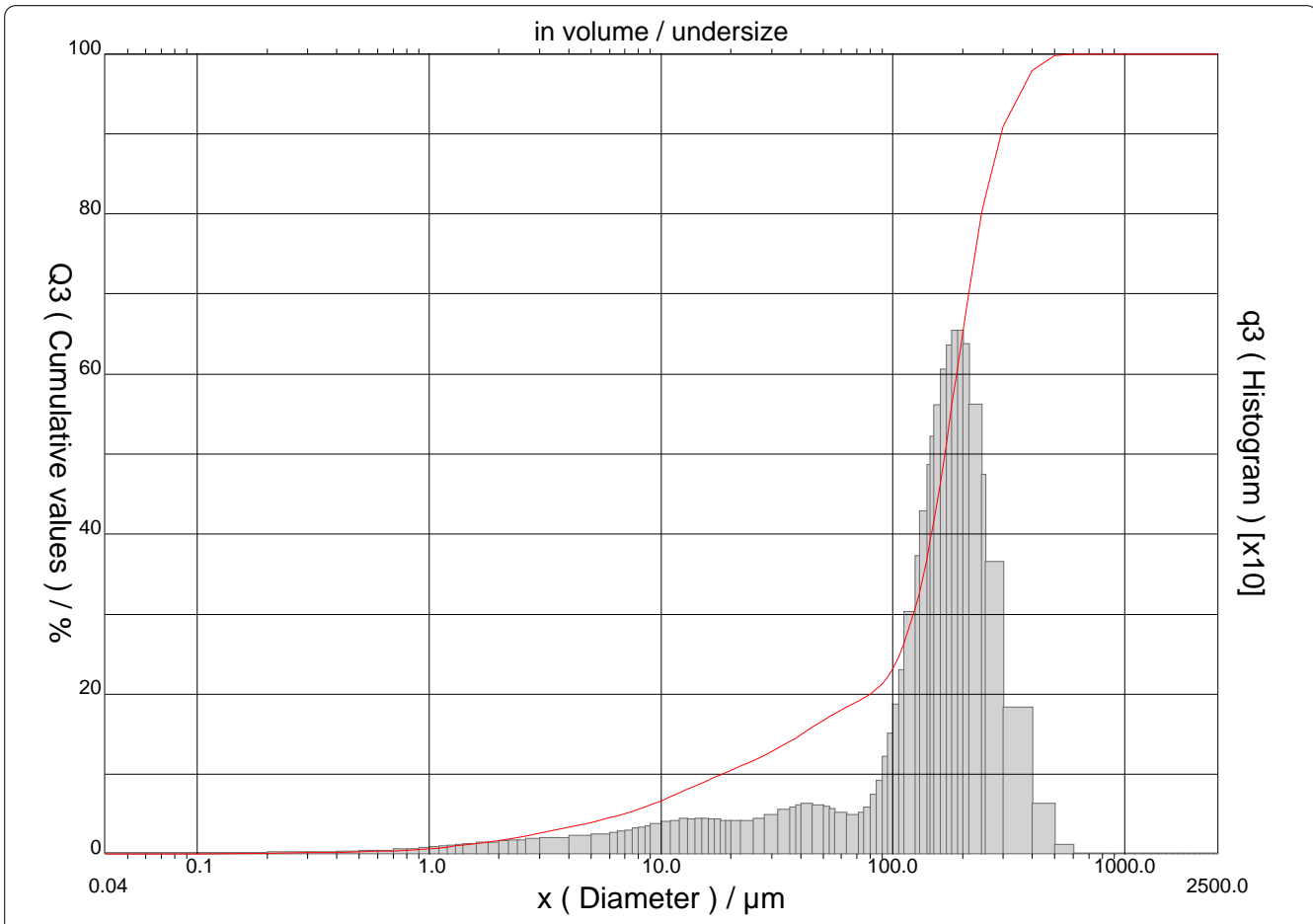
### Customer defined classes

### 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	3.29	18.30	21.02	30.73	54.59	82.07	95.49	99.74	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-05\_64-66cm  
Sample Name :  
Sample type : Mixed  
Comments :  
Liquid : Water (eau)  
Dispersing agent :  
Operator : Olivia  
Company :  
Location :  
Date : 07/13/2023 Time : 03:54:53PM  
Index meas. : 2956  
Database name : Granulog

Ultrasounds : 15 s (+during)  
Obscuration : 14 %  
Diameter at 10% : 18.13 µm  
Diameter at 50% : 167.48 µm  
Diameter at 90% : 294.37 µm  
Mean diameter : 168.86 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	0.11	0.19	0.26	0.32	0.39	0.46	0.55
q3	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.05
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.63	0.73	0.83	0.93	1.03	1.14	1.34	1.55	1.74	1.93
q3	0.05	0.07	0.08	0.09	0.09	0.11	0.11	0.13	0.14	0.15
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	2.12	2.29	2.63	3.36	4.00	4.57	4.84	5.11	5.37	5.64
q3	0.16	0.16	0.18	0.19	0.22	0.23	0.25	0.27	0.28	0.31
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	5.90	6.16	6.68	7.18	7.65	8.11	8.53	8.93	9.30	9.64
q3	0.32	0.34	0.37	0.39	0.41	0.43	0.43	0.44	0.43	0.42
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	9.96	10.25	10.53	11.04	11.73	12.39	13.25	14.10	14.51	14.92
q3	0.42	0.40	0.41	0.40	0.41	0.44	0.48	0.54	0.57	0.60
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	15.89	16.74	17.19	17.60	18.40	19.17	19.54	20.03	20.62	21.31
q3	0.62	0.61	0.58	0.56	0.51	0.48	0.51	0.57	0.73	0.91
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	22.18	23.20	24.64	26.32	30.73	32.67	36.89	39.16	41.51	46.32
q3	1.21	1.49	1.85	2.29	3.01	3.71	4.27	4.85	5.20	5.59
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	51.20	56.03	60.73	65.19	70.13	80.02	82.07	90.92	97.90	99.74
q3	6.04	6.34	6.52	6.53	6.36	5.61	4.73	3.64	1.82	0.62
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	0.11	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-05\_66-68cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 04:02:27PM  
 Index meas. : 2957  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 18.17  $\mu\text{m}$   
 Diameter at 50% : 168.92  $\mu\text{m}$   
 Diameter at 90% : 297.15  $\mu\text{m}$   
 Mean diameter : 170.58  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

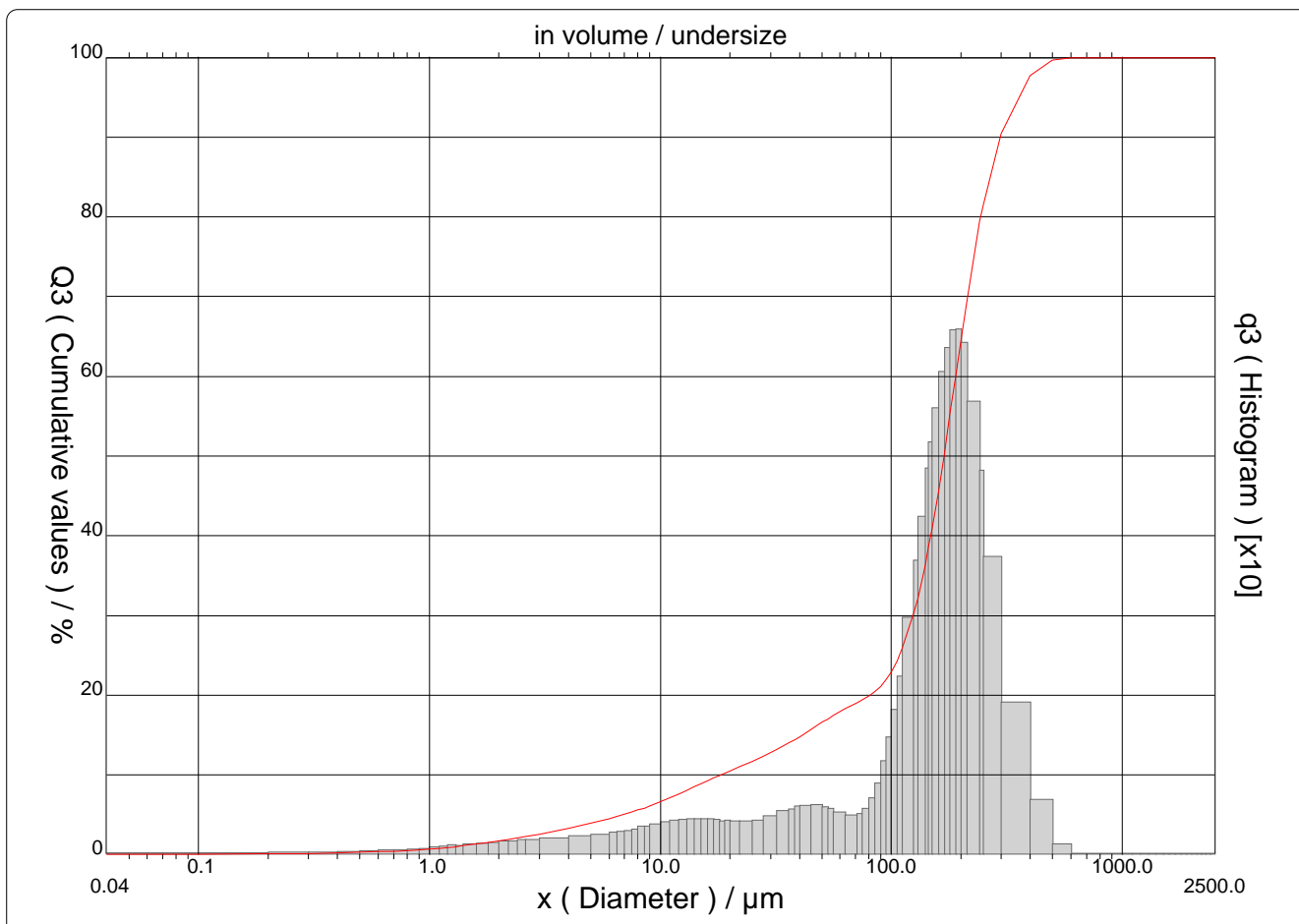
### Customer defined classes

### 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	3.26	18.16	20.81	30.24	53.88	81.48	95.18	99.72	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-05\_66-68cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 04:02:27PM  
 Index meas. : 2957  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 18.17 µm  
 Diameter at 50% : 168.92 µm  
 Diameter at 90% : 297.15 µm  
 Mean diameter : 170.58 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	0.11	0.18	0.25	0.31	0.38	0.46	0.54
q3	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.03	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	0.62	0.71	0.81	0.91	1.02	1.12	1.33	1.53	1.72	1.91
q3	0.05	0.06	0.08	0.09	0.10	0.10	0.12	0.13	0.14	0.15
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	2.09	2.27	2.60	3.32	3.96	4.53	4.81	5.08	5.34	5.60
q3	0.16	0.17	0.17	0.19	0.22	0.24	0.26	0.27	0.28	0.30
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	5.87	6.13	6.65	7.15	7.63	8.08	8.51	8.91	9.28	9.63
q3	0.34	0.34	0.37	0.40	0.42	0.42	0.44	0.44	0.43	0.44
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	9.95	10.24	10.52	11.03	11.72	12.35	13.18	14.01	14.41	14.81
q3	0.42	0.40	0.41	0.40	0.41	0.42	0.47	0.53	0.56	0.59
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	15.75	16.60	17.05	17.46	18.27	19.03	19.39	19.87	20.43	21.10
q3	0.60	0.61	0.58	0.56	0.52	0.48	0.50	0.56	0.70	0.88
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	21.93	22.92	24.31	25.93	30.24	32.15	36.30	38.55	40.87	45.65
q3	1.16	1.46	1.80	2.22	2.96	3.67	4.22	4.84	5.16	5.59
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	50.51	55.32	60.03	64.50	69.45	79.41	81.48	90.47	97.72	99.72
q3	6.05	6.35	6.57	6.57	6.41	5.68	4.80	3.72	1.90	0.68
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	0.12	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-05\_68-70cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 04:10:08PM  
 Index meas. : 2958  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 14.27  $\mu\text{m}$   
 Diameter at 50% : 160.78  $\mu\text{m}$   
 Diameter at 90% : 286.63  $\mu\text{m}$   
 Mean diameter : 160.32  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

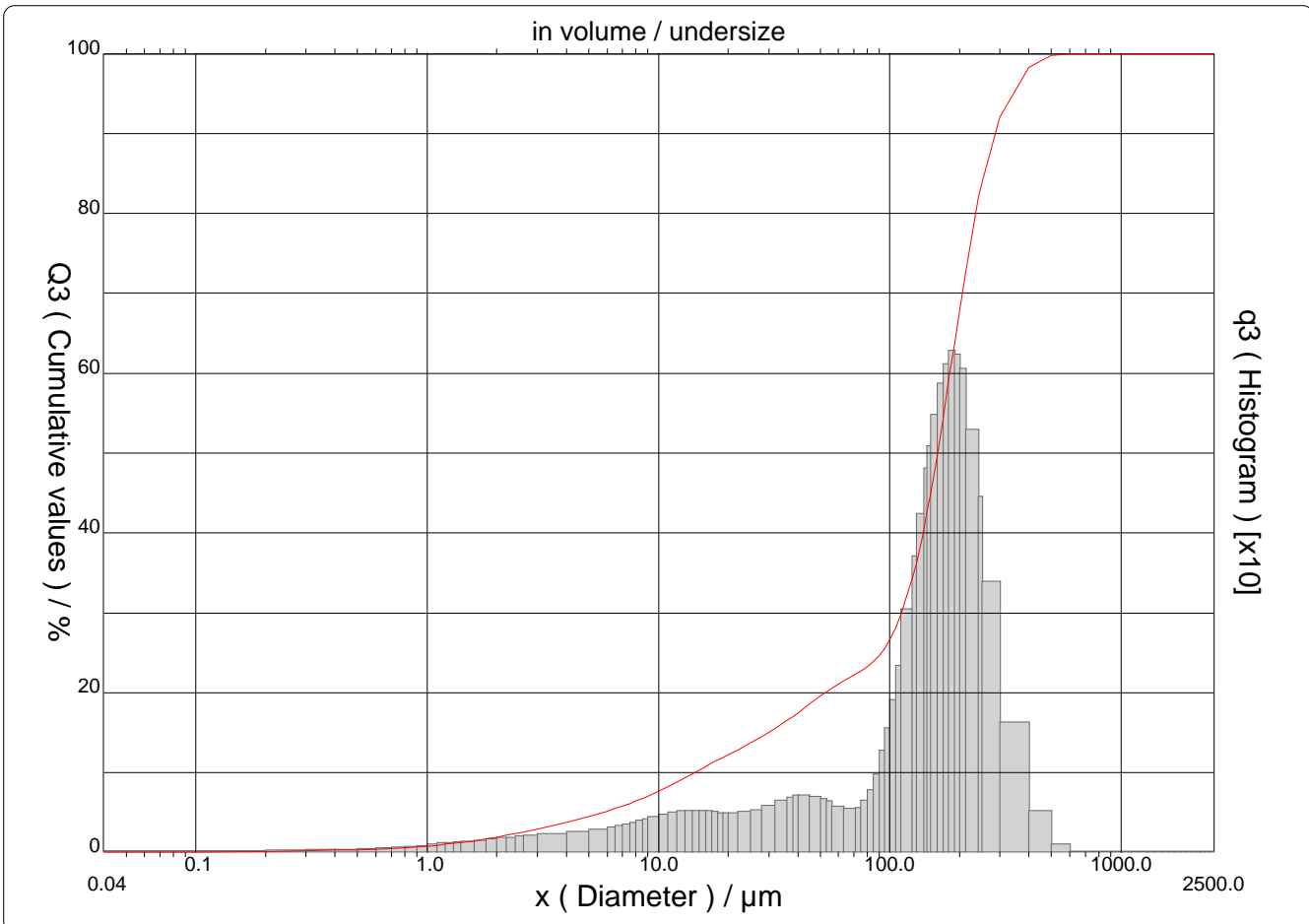
### Customer defined classes

### 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	3.70	21.33	24.30	34.22	57.65	83.82	96.18	99.79	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-05\_68-70cm  
Sample Name :  
Sample type : Mixed  
Comments :  
Liquid : Water (eau)  
Dispersing agent :  
Operator : Olivia  
Company :  
Location :  
Date : 07/13/2023 Time : 04:10:08PM  
Index meas. : 2958  
Database name : Granulog

Ultrasounds : 15 s (+during)  
Obscuration : 14 %  
Diameter at 10% : 14.27 µm  
Diameter at 50% : 160.78 µm  
Diameter at 90% : 286.63 µm  
Mean diameter : 160.32 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	0.28	0.35	0.43	0.51	0.60
q3	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.03	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	1.03	1.14	1.26	1.49	1.71	1.93	2.15
q3	0.06	0.07	0.09	0.10	0.10	0.12	0.13	0.14	0.16	0.17
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	2.35	2.55	2.93	3.78	4.51	5.18	5.50	5.82	6.13	6.44
q3	0.17	0.19	0.20	0.22	0.24	0.27	0.30	0.32	0.34	0.36
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	6.75	7.06	7.67	8.26	8.83	9.37	9.87	10.34	10.78	11.19
q3	0.38	0.41	0.43	0.46	0.49	0.50	0.50	0.51	0.51	0.51
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	11.57	11.92	12.25	12.86	13.71	14.50	15.53	16.53	17.02	17.50
q3	0.50	0.48	0.48	0.48	0.50	0.52	0.58	0.63	0.68	0.70
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	18.61	19.58	20.09	20.55	21.44	22.30	22.70	23.25	23.87	24.61
q3	0.70	0.69	0.65	0.62	0.56	0.54	0.55	0.64	0.76	0.97
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	25.52	26.58	28.06	29.77	34.22	36.16	40.35	42.60	44.90	49.62
q3	1.26	1.54	1.90	2.32	3.03	3.70	4.23	4.79	5.07	5.47
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	54.37	59.03	63.56	67.83	72.54	81.89	83.82	92.06	98.28	99.79
q3	5.86	6.10	6.26	6.22	6.04	5.28	4.44	3.38	1.62	0.51
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	0.09	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-05\_70-72cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 04:18:25PM  
 Index meas. : 2959  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 12.26  $\mu\text{m}$   
 Diameter at 50% : 158.73  $\mu\text{m}$   
 Diameter at 90% : 270.97  $\mu\text{m}$   
 Mean diameter : 154.37  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

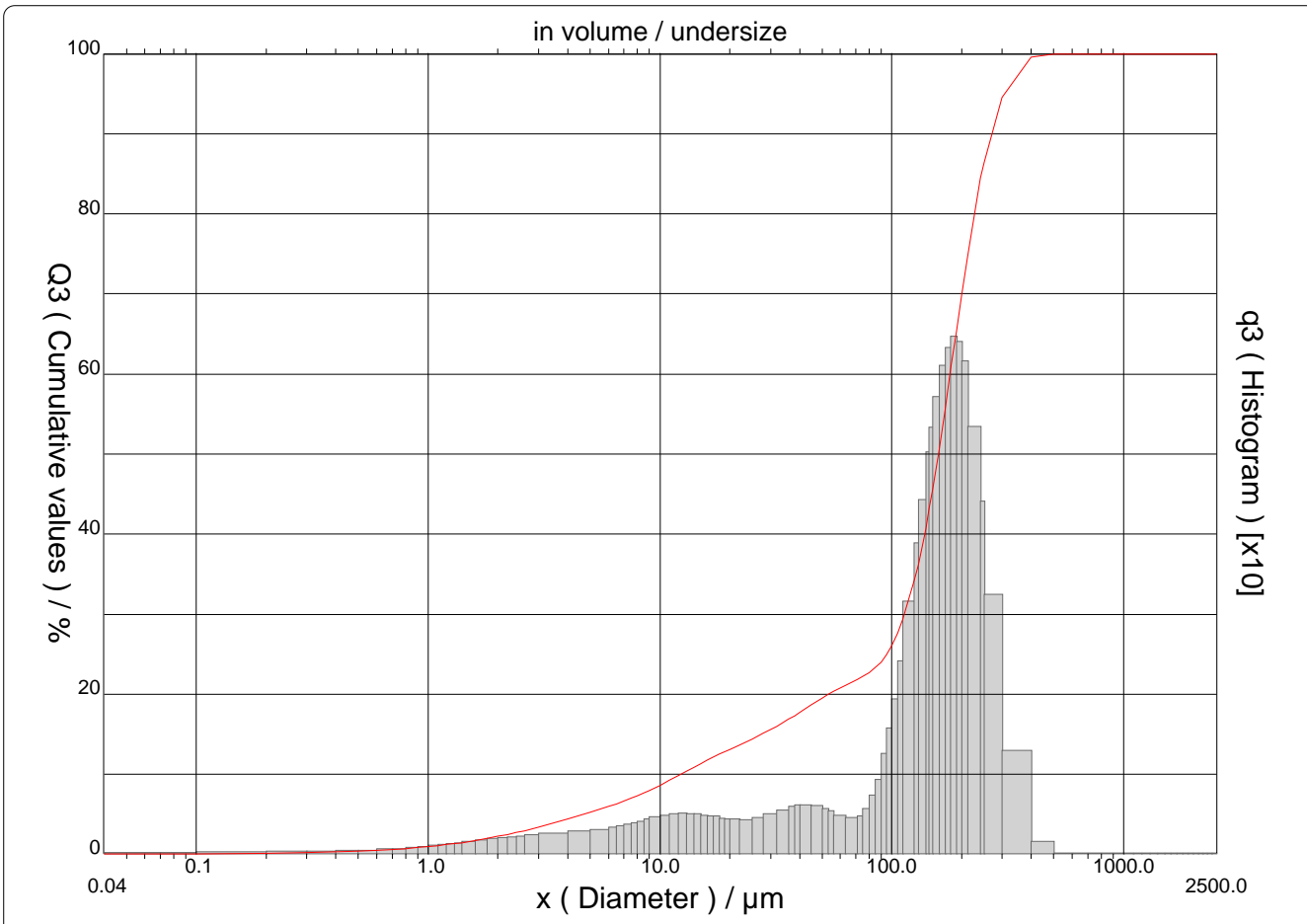
### Customer defined classes

### 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	4.31	21.04	23.72	34.14	59.16	86.43	98.11	100.00	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-05\_70-72cm  
Sample Name :  
Sample type : Mixed  
Comments :  
Liquid : Water (eau)  
Dispersing agent :  
Operator : Olivia  
Company :  
Location :  
Date : 07/13/2023 Time : 04:18:25PM  
Index meas. : 2959  
Database name : Granulog

Ultrasounds : 15 s (+during)  
Obscuration : 15 %  
Diameter at 10% : 12.26 µm  
Diameter at 50% : 158.73 µm  
Diameter at 90% : 270.97 µm  
Mean diameter : 154.37 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	0.15	0.26	0.35	0.44	0.53	0.63	0.73
q3	0.00	0.00	0.01	0.01	0.02	0.02	0.03	0.04	0.05	0.05
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.85	0.96	1.09	1.22	1.35	1.48	1.74	2.00	2.26	2.51
q3	0.07	0.08	0.10	0.11	0.12	0.13	0.14	0.16	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	2.75	2.98	3.43	4.40	5.24	5.98	6.33	6.68	7.02	7.35
q3	0.20	0.21	0.23	0.25	0.27	0.30	0.32	0.34	0.36	0.37
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	7.68	8.01	8.66	9.27	9.85	10.40	10.90	11.36	11.78	12.16
q3	0.40	0.42	0.45	0.47	0.49	0.50	0.49	0.49	0.47	0.46
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	12.52	12.84	13.14	13.69	14.42	15.11	16.00	16.87	17.30	17.72
q3	0.46	0.43	0.43	0.42	0.42	0.44	0.49	0.54	0.58	0.60
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	18.69	19.54	19.98	20.38	21.14	21.87	22.22	22.71	23.31	24.03
q3	0.60	0.59	0.55	0.53	0.47	0.45	0.47	0.55	0.72	0.92
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	24.95	26.05	27.59	29.40	34.14	36.22	40.70	43.11	45.58	50.62
q3	1.24	1.56	1.93	2.40	3.15	3.87	4.41	5.01	5.32	5.70
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	55.68	60.63	65.41	69.90	74.81	84.47	86.43	94.51	99.56	100.00
q3	6.09	6.32	6.45	6.39	6.15	5.32	4.40	3.23	1.28	0.14
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

# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-05\_72-74cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 04:26:12PM  
 Index meas. : 2960  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 13 %  
 Diameter at 10% : 30.61  $\mu\text{m}$   
 Diameter at 50% : 175.12  $\mu\text{m}$   
 Diameter at 90% : 300.45  $\mu\text{m}$   
 Mean diameter : 178.94  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

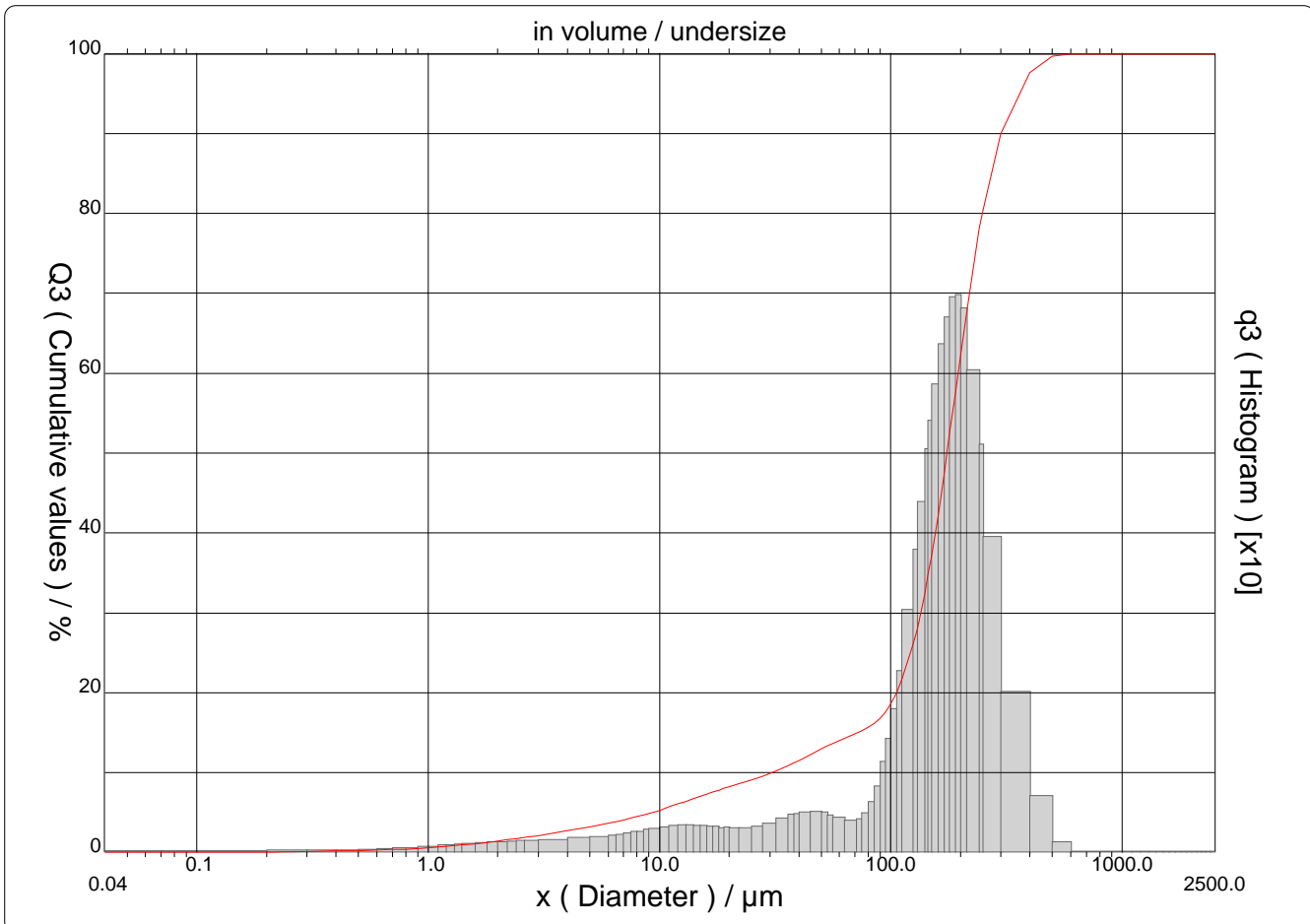
### Customer defined classes

### 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	2.66	14.26	16.54	26.06	50.93	80.37	94.95	99.71	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-05\_72-74cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 04:26:12PM  
 Index meas. : 2960  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 13 %  
 Diameter at 10% : 30.61 µm  
 Diameter at 50% : 175.12 µm  
 Diameter at 90% : 300.45 µm  
 Mean diameter : 178.94 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	0.01	0.03	0.09	0.15	0.21	0.26	0.32	0.38	0.45
q3	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.02	0.03	0.04
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.52	0.60	0.68	0.77	0.85	0.94	1.11	1.28	1.44	1.59
q3	0.04	0.06	0.06	0.08	0.07	0.09	0.10	0.11	0.11	0.12
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.74	1.88	2.14	2.71	3.21	3.66	3.87	4.08	4.29	4.50
q3	0.13	0.13	0.14	0.15	0.17	0.18	0.20	0.21	0.23	0.24
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	4.70	4.91	5.31	5.70	6.07	6.42	6.75	7.05	7.33	7.58
q3	0.25	0.28	0.28	0.31	0.32	0.33	0.33	0.33	0.32	0.31
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	7.82	8.03	8.24	8.61	9.11	9.58	10.21	10.86	11.19	11.51
q3	0.31	0.29	0.31	0.29	0.29	0.31	0.35	0.41	0.46	0.47
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	12.28	12.98	13.36	13.69	14.35	14.97	15.27	15.68	16.18	16.80
q3	0.49	0.50	0.49	0.45	0.42	0.39	0.41	0.48	0.62	0.81
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	17.61	18.58	19.97	21.63	26.06	28.04	32.37	34.73	37.17	42.21
q3	1.12	1.42	1.79	2.26	3.02	3.78	4.38	5.04	5.39	5.85
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	47.35	52.45	57.46	62.23	67.52	78.16	80.37	89.96	97.63	99.71
q3	6.35	6.68	6.94	6.96	6.80	6.02	5.09	3.94	2.00	0.70
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	0.12	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-05\_74-76cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 04:34:51PM  
 Index meas. : 2961  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 81.07  $\mu\text{m}$   
 Diameter at 50% : 185.46  $\mu\text{m}$   
 Diameter at 90% : 320.73  $\mu\text{m}$   
 Mean diameter : 194.44  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

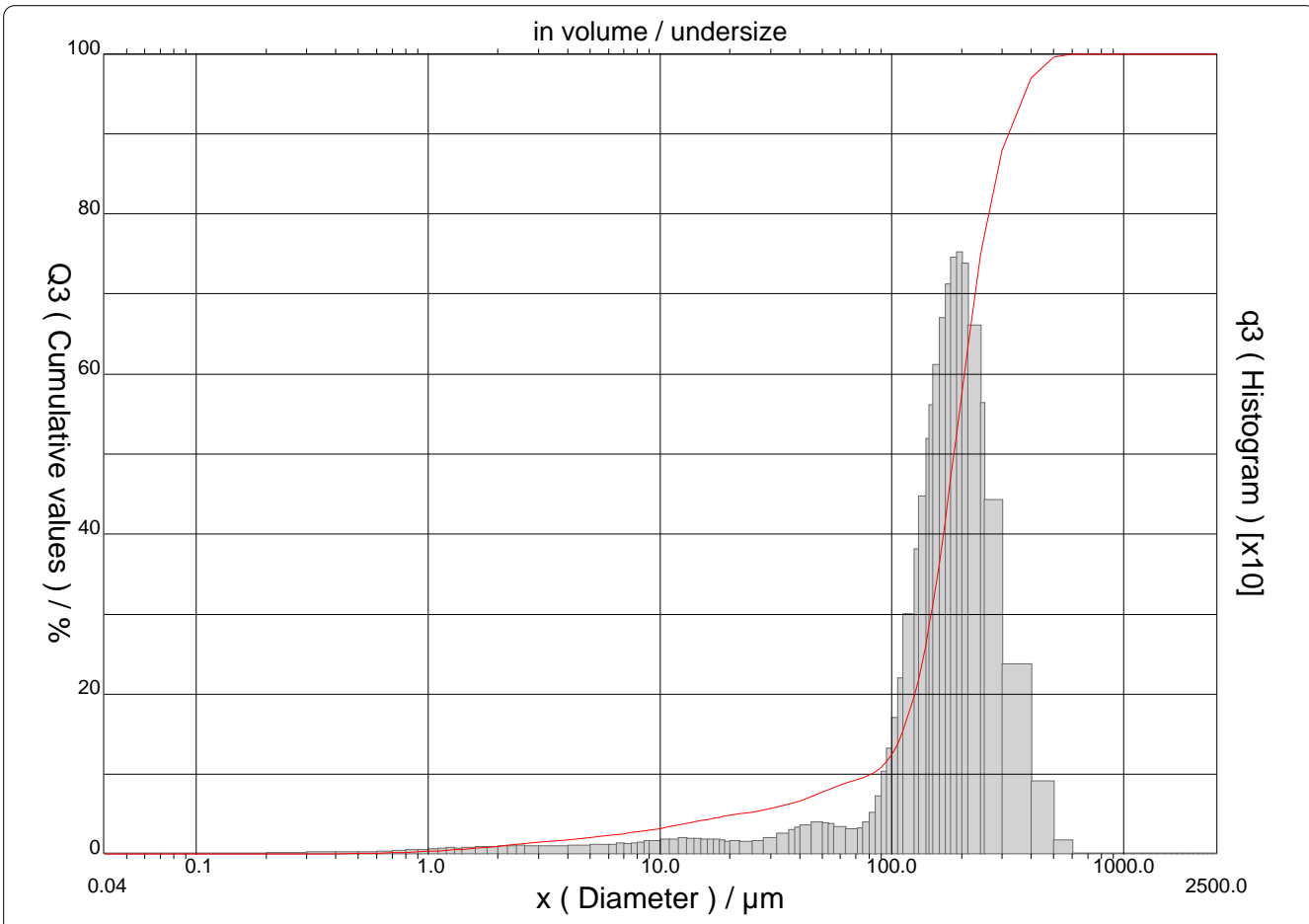
### Customer defined classes

### 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	1.81	8.80	10.63	19.75	45.44	77.21	93.70	99.61	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-05\_74-76cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 04:34:51PM  
 Index meas. : 2961  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 81.07 µm  
 Diameter at 50% : 185.46 µm  
 Diameter at 90% : 320.73 µm  
 Mean diameter : 194.44 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	0.00	0.00	0.00	0.04	0.09	0.13	0.17	0.21	0.26
q3	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.32	0.38	0.45	0.52	0.59	0.65	0.78	0.91	1.02	1.13
q3	0.04	0.04	0.06	0.06	0.07	0.06	0.07	0.08	0.08	0.09
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.23	1.33	1.50	1.84	2.12	2.37	2.48	2.60	2.71	2.82
q3	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.12	0.12	0.13
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	2.93	3.05	3.26	3.48	3.68	3.88	4.06	4.23	4.38	4.52
q3	0.14	0.16	0.15	0.17	0.17	0.19	0.18	0.19	0.18	0.17
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	4.65	4.77	4.87	5.07	5.31	5.54	5.88	6.27	6.48	6.70
q3	0.17	0.17	0.15	0.16	0.14	0.15	0.19	0.25	0.29	0.32
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	7.25	7.79	8.08	8.35	8.87	9.35	9.58	9.91	10.32	10.86
q3	0.35	0.39	0.37	0.37	0.33	0.30	0.32	0.39	0.51	0.71
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	11.59	12.48	13.79	15.39	19.75	21.73	26.12	28.53	31.05	36.28
q3	1.02	1.31	1.69	2.19	2.99	3.80	4.46	5.17	5.60	6.10
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	41.66	47.05	52.39	57.50	63.20	74.78	77.21	87.90	96.94	99.61
q3	6.68	7.10	7.44	7.50	7.37	6.59	5.63	4.42	2.37	0.90
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	0.16	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-05\_76-78cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 04:43:04PM  
 Index meas. : 2962  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 94.61  $\mu\text{m}$   
 Diameter at 50% : 190.40  $\mu\text{m}$   
 Diameter at 90% : 327.52  $\mu\text{m}$   
 Mean diameter : 200.42  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

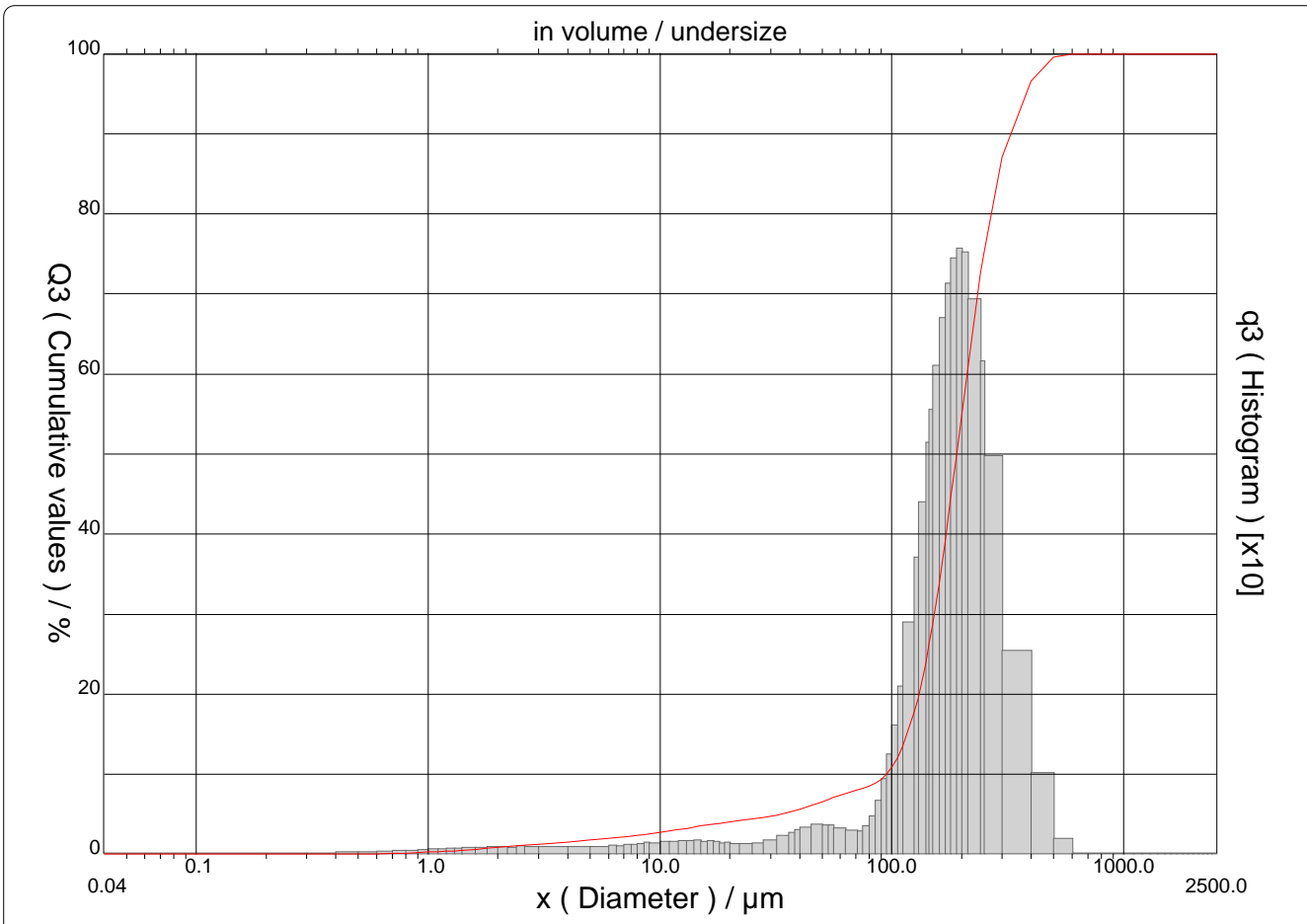
### Customer defined classes

### 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	1.53	7.54	9.17	17.75	42.92	75.22	93.28	99.57	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-05\_76-78cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 04:43:04PM  
 Index meas. : 2962  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 94.61 µm  
 Diameter at 50% : 190.40 µm  
 Diameter at 90% : 327.52 µm  
 Mean diameter : 200.42 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	0.00	0.00	0.00	0.00	0.00	0.03	0.07	0.12	0.17
q3	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.22	0.28	0.34	0.40	0.46	0.52	0.64	0.75	0.86	0.96
q3	0.03	0.04	0.05	0.05	0.06	0.06	0.07	0.07	0.08	0.08
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.04	1.13	1.27	1.56	1.79	1.99	2.09	2.18	2.28	2.37
q3	0.07	0.09	0.07	0.08	0.08	0.08	0.10	0.09	0.11	0.11
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	2.46	2.56	2.74	2.92	3.09	3.25	3.40	3.55	3.67	3.79
q3	0.11	0.13	0.13	0.14	0.15	0.15	0.15	0.17	0.14	0.15
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	3.90	3.99	4.08	4.23	4.42	4.61	4.89	5.23	5.41	5.61
q3	0.15	0.13	0.13	0.12	0.11	0.13	0.16	0.22	0.25	0.30
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	6.11	6.60	6.87	7.12	7.60	8.04	8.24	8.53	8.90	9.39
q3	0.32	0.35	0.35	0.35	0.31	0.28	0.28	0.34	0.47	0.65
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	10.05	10.88	12.10	13.60	17.75	19.65	23.91	26.27	28.73	33.88
q3	0.93	1.23	1.60	2.08	2.88	3.70	4.39	5.13	5.54	6.09
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	39.19	44.52	49.79	54.87	60.60	72.60	75.22	87.09	96.63	99.57
q3	6.68	7.11	7.44	7.56	7.50	6.92	6.15	4.97	2.53	1.01
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	0.18	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-05\_78-80cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 04:50:31PM  
 Index meas. : 2963  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 101.37  $\mu\text{m}$   
 Diameter at 50% : 195.03  $\mu\text{m}$   
 Diameter at 90% : 339.20  $\mu\text{m}$   
 Mean diameter : 206.54  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

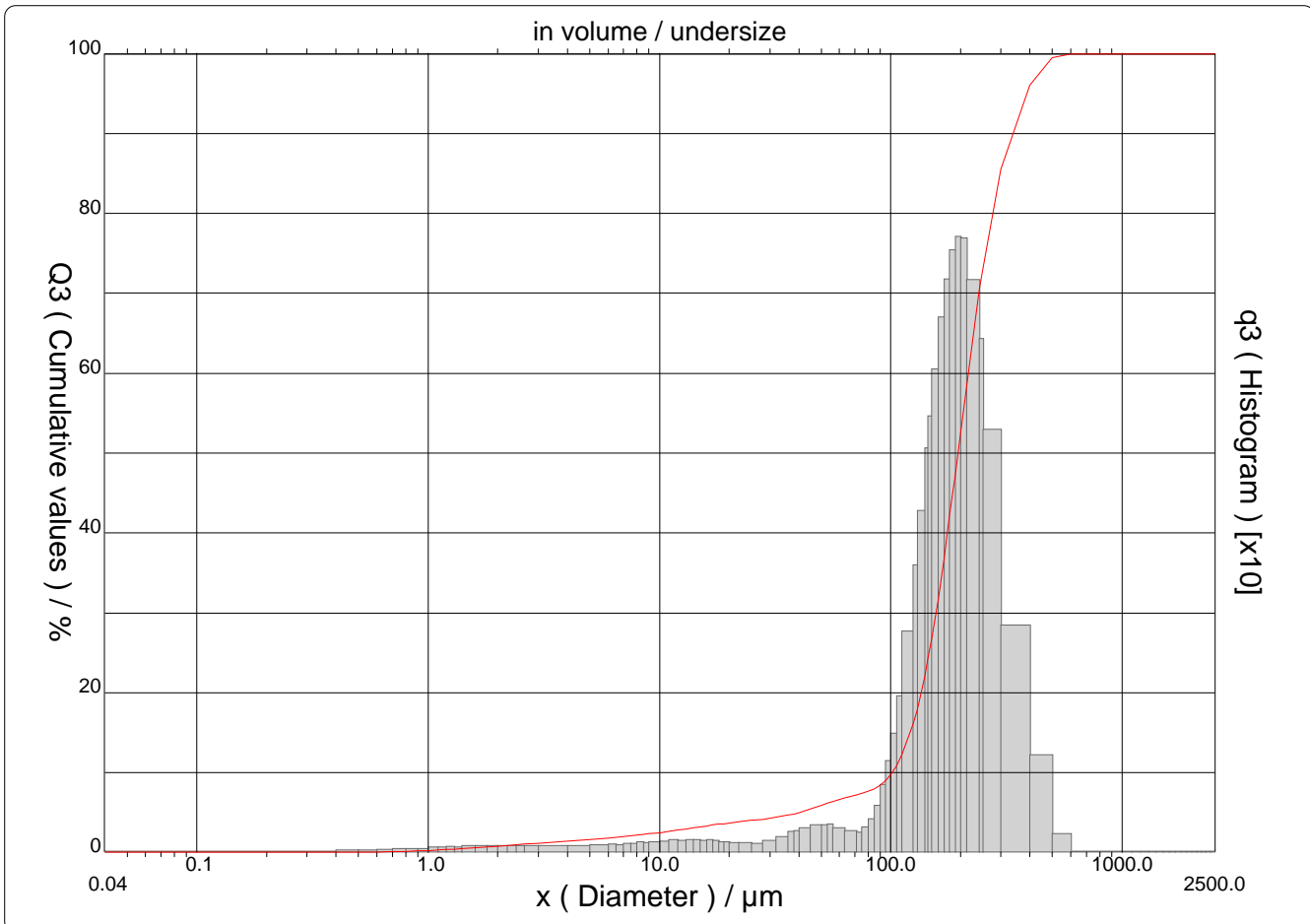
### Customer defined classes

### 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	1.42	6.79	8.22	16.12	40.58	73.14	92.23	99.48	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-05\_78-80cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 04:50:31PM  
 Index meas. : 2963  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 101.37 µm  
 Diameter at 50% : 195.03 µm  
 Diameter at 90% : 339.20 µm  
 Mean diameter : 206.54 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	0.00	0.00	0.00	0.00	0.00	0.03	0.07	0.11	0.16
q3	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.21	0.26	0.32	0.38	0.44	0.49	0.61	0.71	0.81	0.90
q3	0.03	0.04	0.05	0.05	0.06	0.05	0.07	0.07	0.07	0.07
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	0.98	1.05	1.18	1.44	1.65	1.83	1.92	2.00	2.09	2.17
q3	0.07	0.07	0.07	0.07	0.07	0.08	0.09	0.08	0.10	0.10
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	2.26	2.34	2.50	2.66	2.82	2.96	3.10	3.23	3.34	3.45
q3	0.12	0.11	0.12	0.13	0.14	0.14	0.15	0.15	0.13	0.14
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	3.55	3.63	3.71	3.84	4.01	4.15	4.39	4.67	4.84	5.01
q3	0.14	0.11	0.12	0.11	0.10	0.10	0.14	0.18	0.24	0.26
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	5.46	5.91	6.16	6.40	6.85	7.25	7.42	7.67	7.99	8.41
q3	0.30	0.33	0.33	0.34	0.30	0.26	0.24	0.30	0.41	0.57
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	8.99	9.74	10.85	12.23	16.12	17.93	22.00	24.28	26.66	31.68
q3	0.83	1.14	1.48	1.95	2.75	3.58	4.26	5.04	5.45	6.04
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	36.90	42.17	47.41	52.49	58.25	70.45	73.14	85.53	96.00	99.48
q3	6.68	7.16	7.52	7.69	7.67	7.16	6.42	5.28	2.83	1.21
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	0.22	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-05\_80-82cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 04:59:49PM  
 Index meas. : 2964  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 109.35  $\mu\text{m}$   
 Diameter at 50% : 196.30  $\mu\text{m}$   
 Diameter at 90% : 337.92  $\mu\text{m}$   
 Mean diameter : 209.01  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

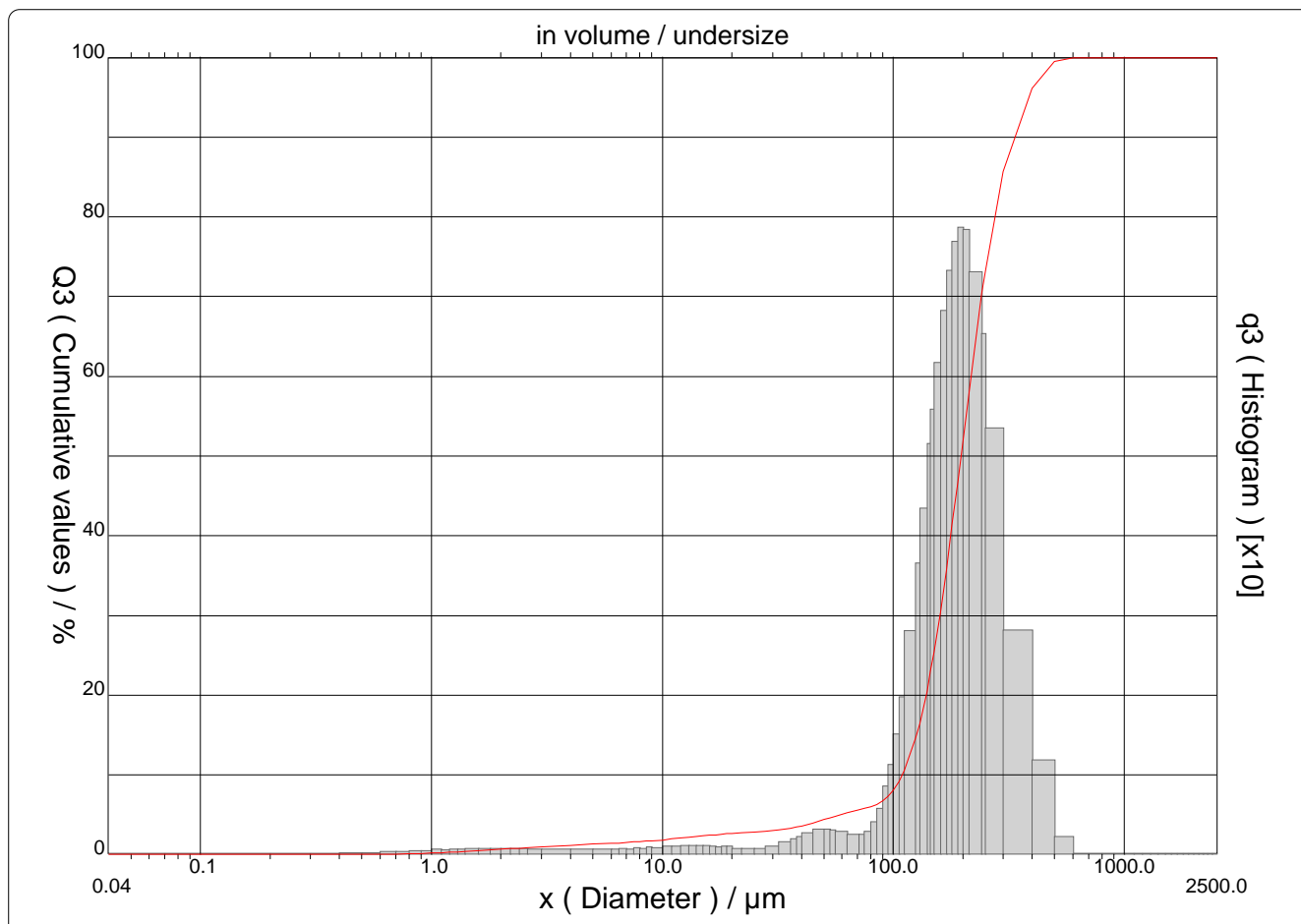
### Customer defined classes

### 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	1.15	5.20	6.56	14.58	39.67	73.07	92.40	99.50	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-05\_80-82cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 04:59:49PM  
 Index meas. : 2964  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 109.35 µm  
 Diameter at 50% : 196.30 µm  
 Diameter at 90% : 337.92 µm  
 Mean diameter : 209.01 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	0.00	0.00	0.00	0.00	0.00	0.02	0.04	0.08	0.12
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	0.17	0.21	0.27	0.32	0.37	0.42	0.52	0.61	0.69	0.76
q3	0.03	0.03	0.05	0.04	0.05	0.05	0.06	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	0.83	0.89	0.99	1.17	1.31	1.43	1.48	1.54	1.59	1.65
q3	0.06	0.06	0.05	0.05	0.05	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	1.70	1.76	1.86	1.97	2.07	2.17	2.26	2.35	2.43	2.50
q3	0.06	0.08	0.07	0.09	0.09	0.10	0.09	0.10	0.10	0.09
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	2.56	2.62	2.68	2.76	2.86	2.95	3.10	3.32	3.45	3.59
q3	0.08	0.09	0.09	0.06	0.06	0.06	0.09	0.14	0.19	0.21
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	3.98	4.39	4.62	4.83	5.25	5.62	5.79	6.02	6.33	6.75
q3	0.26	0.30	0.30	0.29	0.27	0.24	0.24	0.27	0.39	0.57
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	7.34	8.08	9.21	10.61	14.58	16.43	20.59	22.93	25.38	30.53
q3	0.84	1.11	1.50	1.96	2.79	3.64	4.33	5.14	5.57	6.15
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	35.88	41.30	46.68	51.90	57.81	70.32	73.07	85.68	96.12	99.50
q3	6.81	7.31	7.67	7.85	7.82	7.29	6.52	5.33	2.80	1.17
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	0.21	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-05\_82-84cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 05:14:39PM  
 Index meas. : 2965  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 92.78  $\mu\text{m}$   
 Diameter at 50% : 189.37  $\mu\text{m}$   
 Diameter at 90% : 323.35  $\mu\text{m}$   
 Mean diameter : 198.65  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

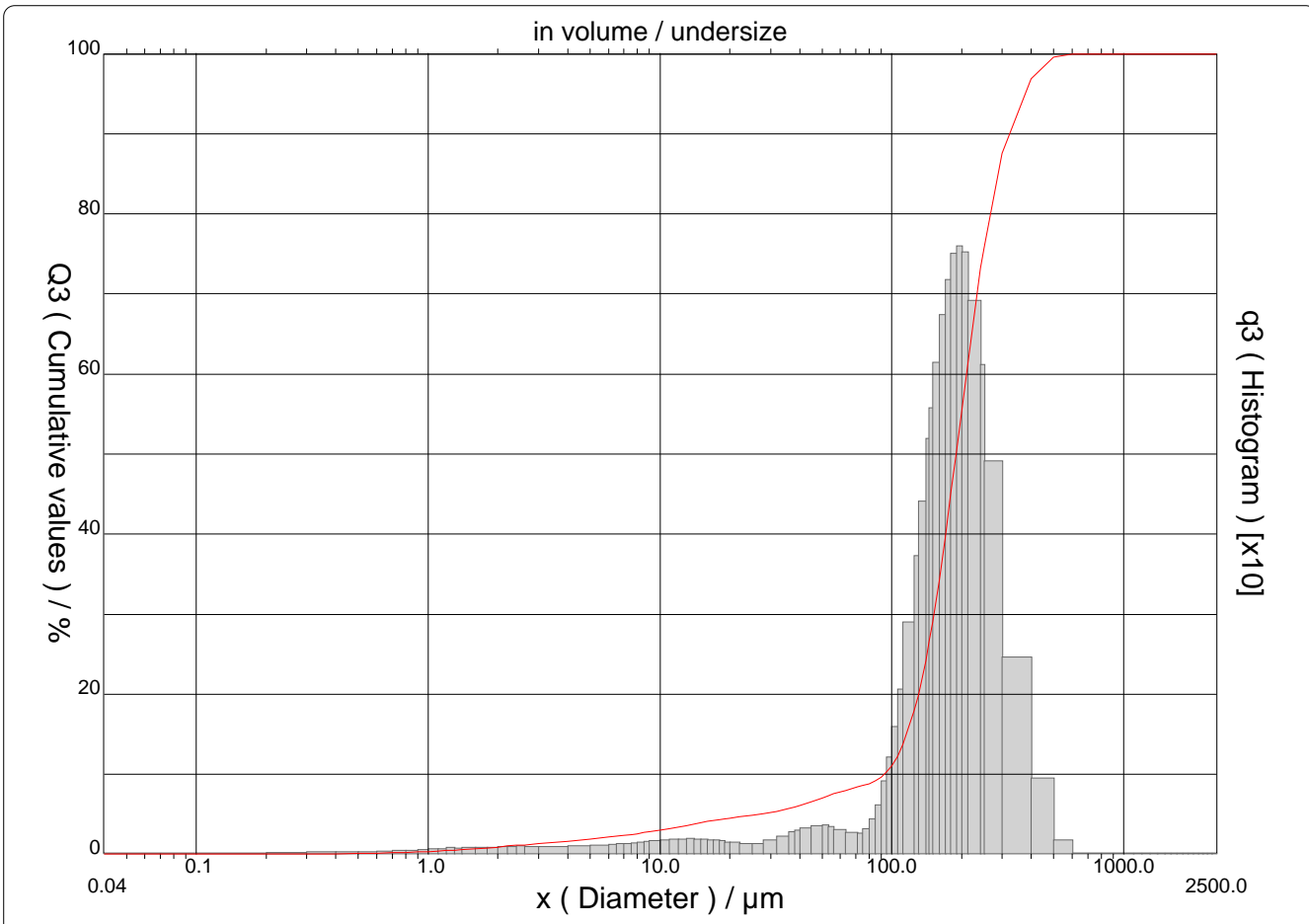
### Customer defined classes

### 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	1.64	7.95	9.44	17.95	43.39	75.84	93.62	99.60	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : CB-23-05\_82-84cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 07/13/2023 Time : 05:14:39PM  
 Index meas. : 2965  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 92.78 µm  
 Diameter at 50% : 189.37 µm  
 Diameter at 90% : 323.35 µm  
 Mean diameter : 198.65 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	0.00	0.00	0.00	0.04	0.08	0.11	0.15	0.19	0.24
q3	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.29	0.35	0.41	0.47	0.54	0.60	0.72	0.83	0.93	1.03
q3	0.03	0.04	0.05	0.05	0.07	0.06	0.07	0.07	0.07	0.08
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.12	1.21	1.36	1.67	1.93	2.16	2.27	2.38	2.49	2.60
q3	0.08	0.09	0.08	0.08	0.09	0.10	0.10	0.11	0.12	0.13
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	2.71	2.82	3.03	3.24	3.44	3.62	3.80	3.96	4.11	4.24
q3	0.14	0.15	0.15	0.17	0.17	0.17	0.18	0.18	0.18	0.16
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	4.36	4.47	4.56	4.73	4.93	5.11	5.39	5.71	5.90	6.09
q3	0.16	0.15	0.13	0.14	0.12	0.12	0.16	0.21	0.27	0.28
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	6.58	7.05	7.32	7.56	8.01	8.41	8.59	8.85	9.19	9.64
q3	0.32	0.34	0.35	0.33	0.29	0.25	0.25	0.31	0.43	0.60
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	10.28	11.09	12.30	13.78	17.95	19.87	24.16	26.55	29.03	34.24
q3	0.90	1.20	1.58	2.04	2.88	3.72	4.40	5.17	5.56	6.13
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	39.61	45.00	50.33	55.45	61.21	73.23	75.84	87.59	96.84	99.60
q3	6.73	7.16	7.49	7.58	7.51	6.90	6.10	4.90	2.44	0.94
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	0.17	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-06\_0-2cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 08/08/2023 Time : 09:47:51AM  
 Index meas. : 2966  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 16 %  
 Diameter at 10% : 48.41  $\mu\text{m}$   
 Diameter at 50% : 165.17  $\mu\text{m}$   
 Diameter at 90% : 290.16  $\mu\text{m}$   
 Mean diameter : 171.74  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

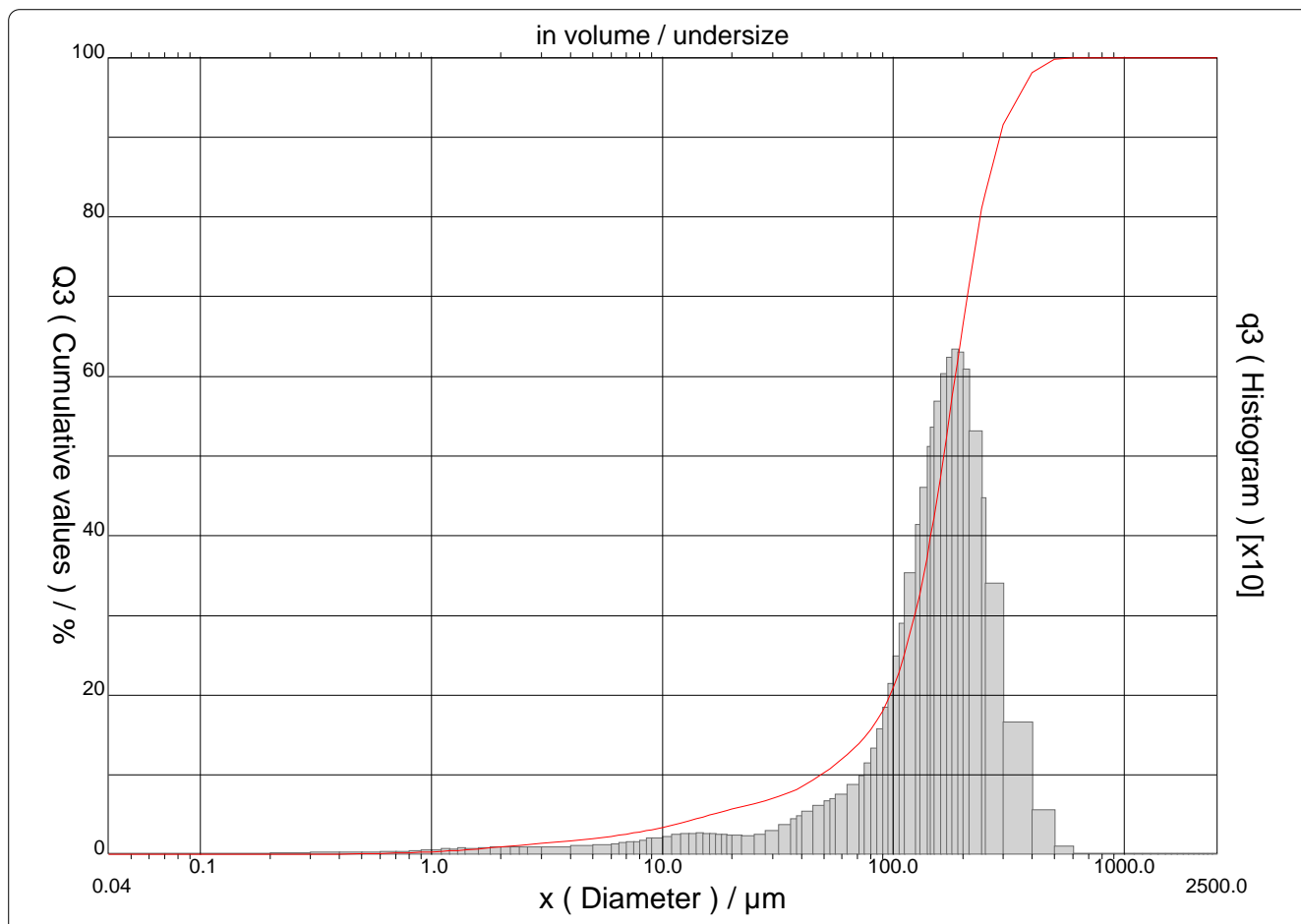
### Customer defined classes

### 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	1.71	12.35	17.52	30.42	55.84	83.03	95.86	99.77	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  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\_0-2cm  
Sample Name :  
Sample type : Mixed  
Comments :  
Liquid : Water (eau)  
Dispersing agent :  
Operator : Olivia  
Company :  
Location :  
Date : 08/08/2023 Time : 09:47:51AM  
Index meas. : 2966  
Database name : Granulog

Ultrasounds : 15 s (+during)  
Obscuration : 16 %  
Diameter at 10% : 48.41 µm  
Diameter at 50% : 165.17 µm  
Diameter at 90% : 290.16 µm  
Mean diameter : 171.74 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	0.00	0.00	0.00	0.04	0.08	0.12	0.15	0.20	0.25
q3	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.30	0.36	0.42	0.49	0.55	0.62	0.74	0.85	0.96	1.06
q3	0.03	0.04	0.05	0.06	0.05	0.07	0.07	0.07	0.08	0.08
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.16	1.25	1.41	1.74	2.04	2.32	2.45	2.59	2.73	2.86
q3	0.08	0.08	0.08	0.08	0.10	0.11	0.12	0.14	0.15	0.15
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	3.00	3.15	3.43	3.71	3.99	4.26	4.51	4.75	4.97	5.18
q3	0.17	0.19	0.19	0.21	0.23	0.24	0.24	0.25	0.25	0.25
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	5.37	5.55	5.71	6.01	6.40	6.77	7.29	7.88	8.20	8.53
q3	0.24	0.24	0.23	0.23	0.22	0.24	0.28	0.36	0.43	0.47
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	9.39	10.27	10.80	11.32	12.53	13.95	14.69	15.70	16.80	18.03
q3	0.53	0.61	0.66	0.68	0.74	0.86	0.98	1.13	1.31	1.56
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	19.40	20.91	22.90	25.09	30.42	32.65	37.34	39.81	42.31	47.36
q3	1.84	2.13	2.47	2.88	3.52	4.12	4.59	5.10	5.34	5.67
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	52.39	57.30	62.02	66.47	71.35	81.03	83.03	91.56	98.10	99.77
q3	6.01	6.22	6.33	6.29	6.07	5.30	4.46	3.39	1.65	0.54
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	0.09	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-06\_2-4cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 08/08/2023 Time : 09:54:39AM  
 Index meas. : 2967  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 16 %  
 Diameter at 10% : 30.43  $\mu\text{m}$   
 Diameter at 50% : 160.42  $\mu\text{m}$   
 Diameter at 90% : 293.18  $\mu\text{m}$   
 Mean diameter : 166.26  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

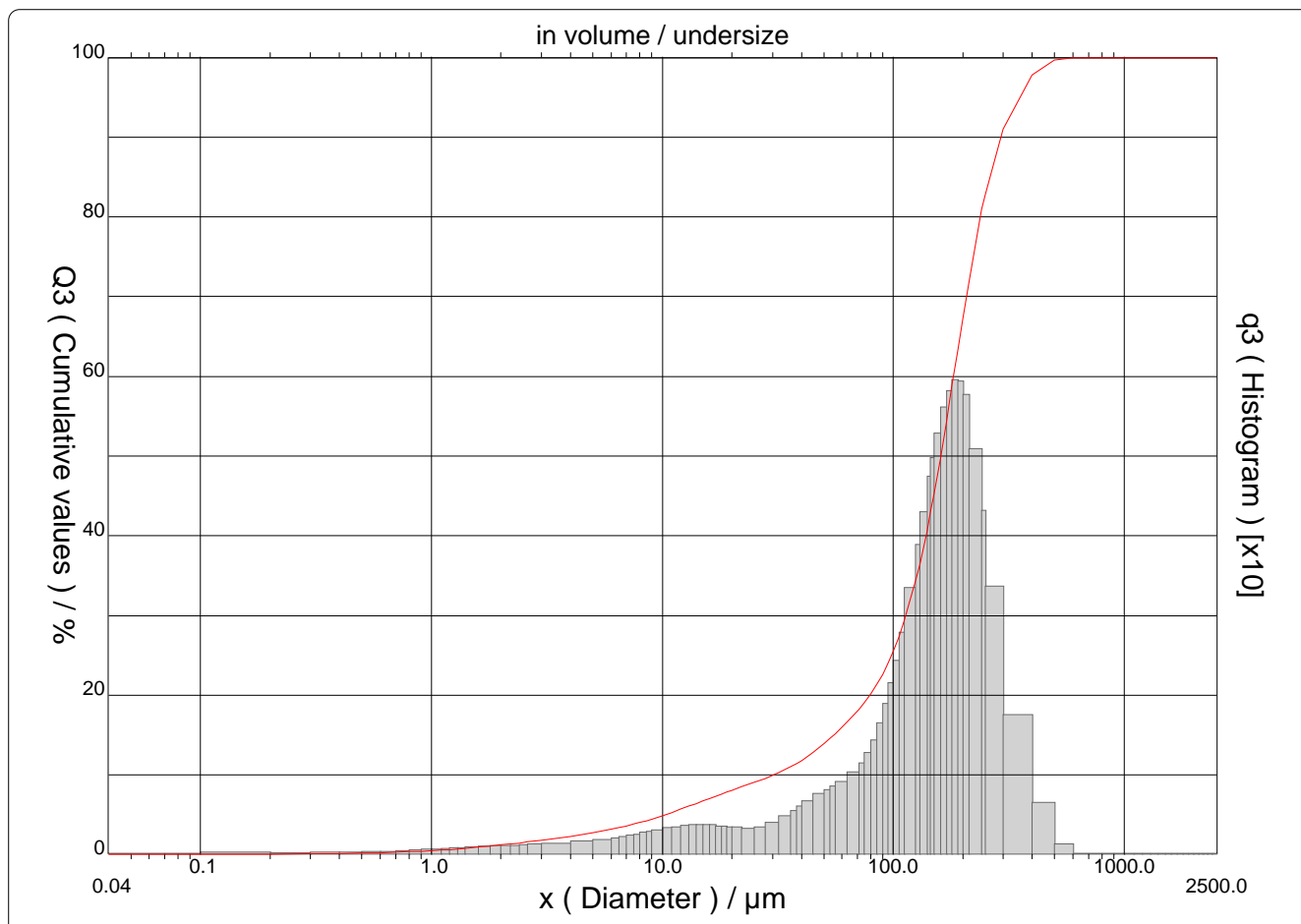
### Customer defined classes

### 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	2.27	16.41	22.10	34.36	57.53	82.79	95.39	99.72	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  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\_2-4cm  
Sample Name :  
Sample type : Mixed  
Comments :  
Liquid : Water (eau)  
Dispersing agent :  
Operator : Olivia  
Company :  
Location :  
Date : 08/08/2023 Time : 09:54:39AM  
Index meas. : 2967  
Database name : Granulog

Ultrasounds : 15 s (+during)  
Obscuration : 16 %  
Diameter at 10% : 30.43 µm  
Diameter at 50% : 160.42 µm  
Diameter at 90% : 293.18 µm  
Mean diameter : 166.26 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	0.00	0.00	0.09	0.14	0.18	0.22	0.27	0.32	0.38
q3	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.44	0.51	0.58	0.65	0.73	0.80	0.95	1.09	1.23	1.36
q3	0.04	0.05	0.05	0.06	0.07	0.07	0.08	0.09	0.10	0.10
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.48	1.60	1.82	2.32	2.77	3.20	3.41	3.62	3.83	4.04
q3	0.10	0.11	0.11	0.13	0.15	0.17	0.19	0.21	0.23	0.24
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	4.26	4.47	4.89	5.30	5.69	6.07	6.43	6.76	7.07	7.36
q3	0.27	0.27	0.30	0.32	0.33	0.35	0.36	0.35	0.36	0.35
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	7.62	7.87	8.10	8.52	9.06	9.57	10.26	11.01	11.40	11.81
q3	0.34	0.34	0.33	0.33	0.31	0.33	0.38	0.47	0.53	0.59
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	12.85	13.92	14.55	15.18	16.61	18.25	19.09	20.19	21.35	22.61
q3	0.65	0.75	0.80	0.85	0.90	1.02	1.13	1.26	1.42	1.63
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	23.98	25.46	27.36	29.42	34.36	36.41	40.70	42.94	45.21	49.80
q3	1.88	2.14	2.41	2.77	3.33	3.87	4.29	4.73	4.96	5.27
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	54.38	58.86	63.20	67.30	71.83	80.90	82.79	91.04	97.79	99.72
q3	5.59	5.80	5.94	5.92	5.76	5.07	4.30	3.35	1.74	0.64
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	0.11	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-06\_4-6cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 08/08/2023 Time : 10:01:25AM  
 Index meas. : 2968  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 42.77  $\mu\text{m}$   
 Diameter at 50% : 169.48  $\mu\text{m}$   
 Diameter at 90% : 316.63  $\mu\text{m}$   
 Mean diameter : 178.39  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

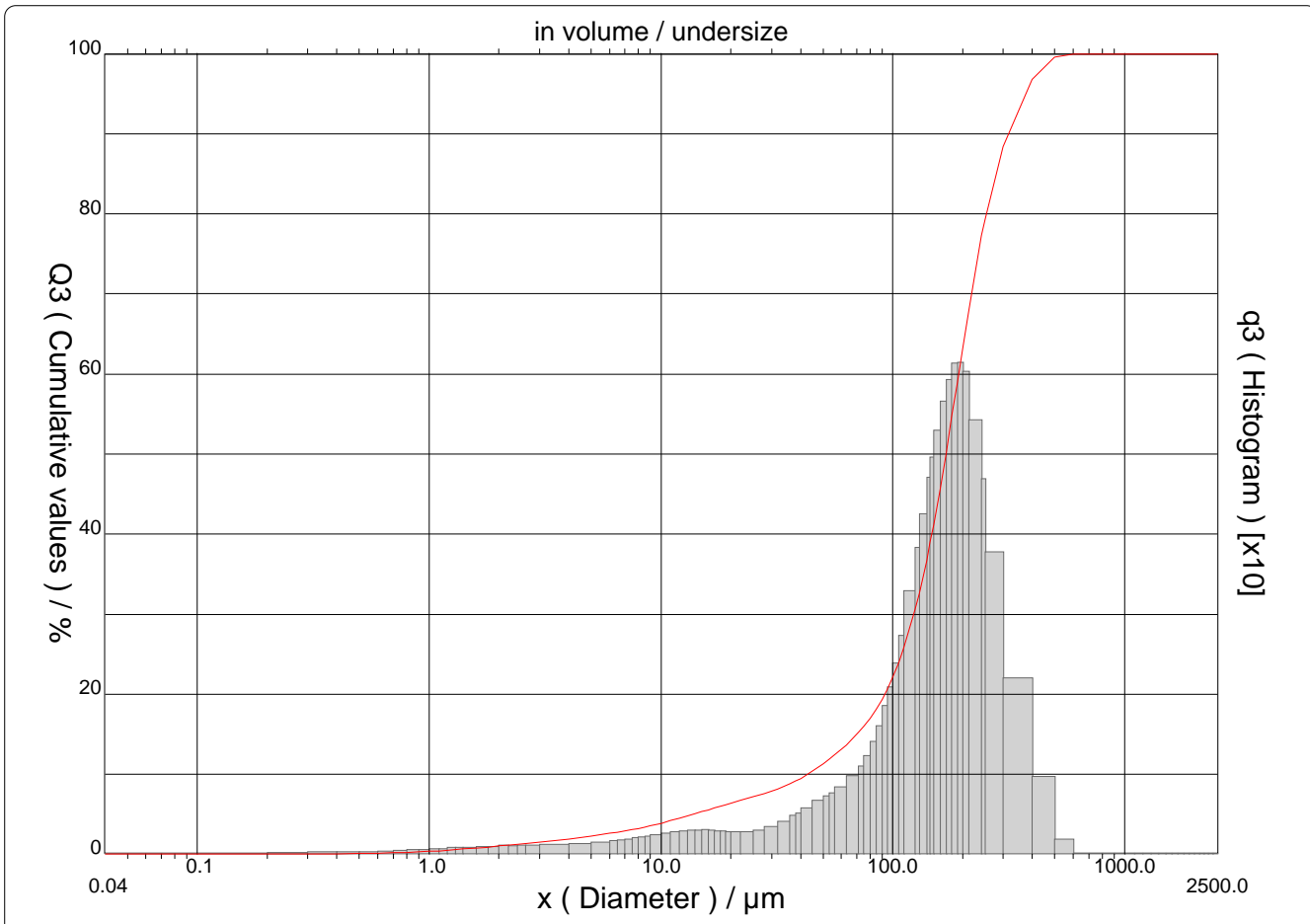
### Customer defined classes

### 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	1.89	13.50	18.87	30.66	53.37	79.36	93.64	99.58	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  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\_4-6cm  
Sample Name :  
Sample type : Mixed  
Comments :  
Liquid : Water (eau)  
Dispersing agent :  
Operator : Olivia  
Company :  
Location :  
Date : 08/08/2023 Time : 10:01:25AM  
Index meas. : 2968  
Database name : Granulog

Ultrasounds : 15 s (+during)  
Obscuration : 15 %  
Diameter at 10% : 42.77 µm  
Diameter at 50% : 169.48 µm  
Diameter at 90% : 316.63 µm  
Mean diameter : 178.39 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	0.00	0.00	0.00	0.04	0.09	0.13	0.17	0.22	0.27
q3	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.33	0.39	0.46	0.52	0.59	0.66	0.79	0.92	1.03	1.15
q3	0.04	0.04	0.06	0.05	0.07	0.07	0.07	0.08	0.08	0.10
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.25	1.35	1.53	1.93	2.28	2.61	2.77	2.93	3.09	3.25
q3	0.09	0.09	0.10	0.11	0.12	0.14	0.15	0.16	0.18	0.19
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	3.41	3.57	3.89	4.20	4.51	4.80	5.08	5.34	5.59	5.82
q3	0.20	0.21	0.23	0.25	0.27	0.27	0.29	0.28	0.29	0.29
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	6.03	6.23	6.41	6.75	7.20	7.62	8.20	8.82	9.16	9.50
q3	0.28	0.28	0.27	0.27	0.27	0.28	0.33	0.40	0.48	0.50
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	10.38	11.30	11.85	12.40	13.69	15.21	16.00	17.04	18.16	19.36
q3	0.56	0.66	0.71	0.75	0.83	0.96	1.09	1.22	1.40	1.59
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	20.68	22.09	23.92	25.90	30.66	32.64	36.79	38.97	41.19	45.70
q3	1.84	2.08	2.37	2.72	3.28	3.81	4.23	4.69	4.95	5.28
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	50.23	54.70	59.08	63.24	67.88	77.35	79.36	88.44	96.76	99.58
q3	5.65	5.91	6.12	6.13	6.02	5.41	4.67	3.76	2.19	0.95
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	0.17	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-06\_6-8cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 08/08/2023 Time : 10:07:50AM  
 Index meas. : 2969  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 56.59  $\mu\text{m}$   
 Diameter at 50% : 186.74  $\mu\text{m}$   
 Diameter at 90% : 346.60  $\mu\text{m}$   
 Mean diameter : 196.95  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

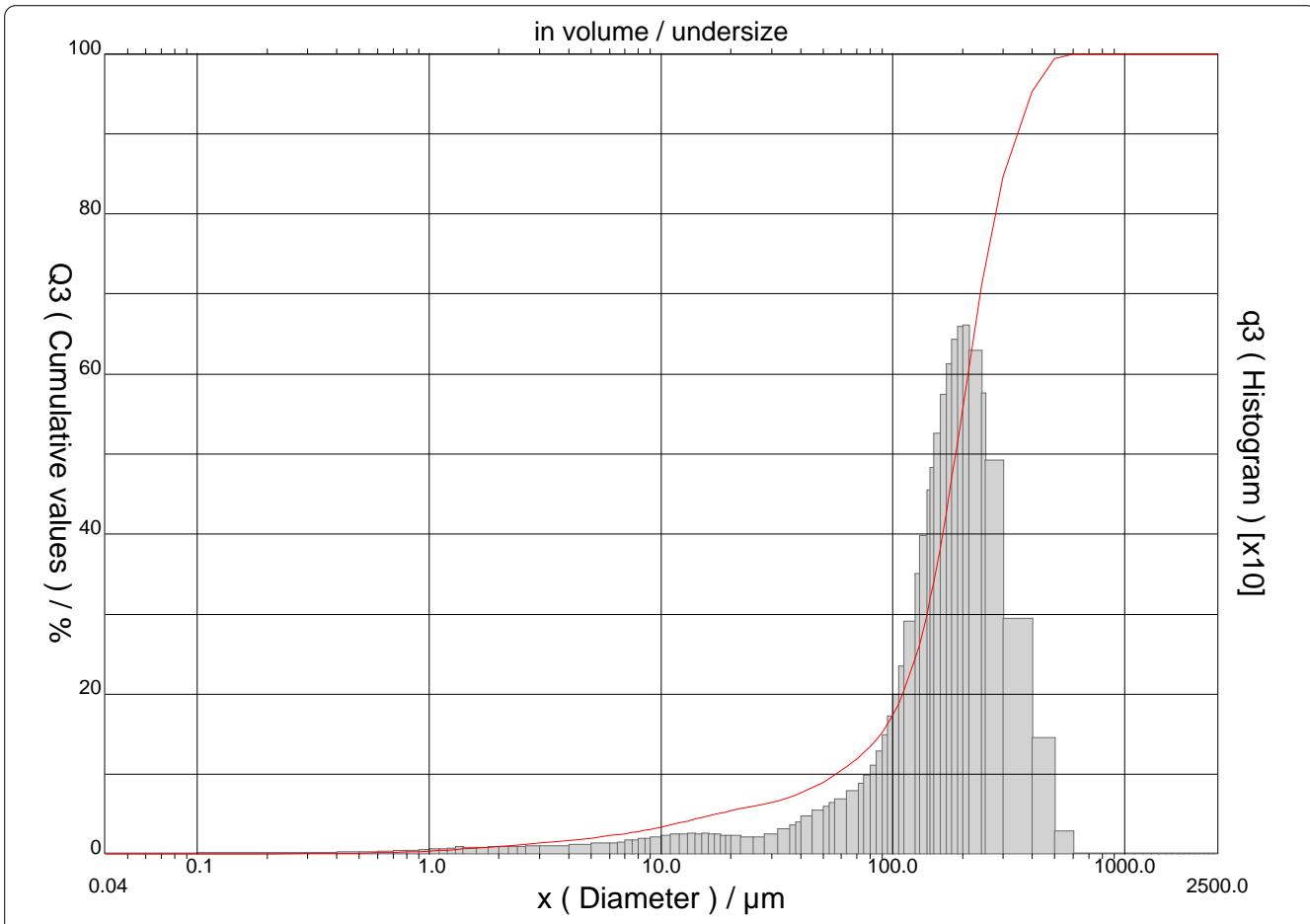
### Customer defined classes

### 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	1.73	10.78	14.86	24.45	45.69	73.36	91.26	99.37	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  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\_6-8cm  
Sample Name :  
Sample type : Mixed  
Comments :  
Liquid : Water (eau)  
Dispersing agent :  
Operator : Olivia  
Company :  
Location :  
Date : 08/08/2023 Time : 10:07:50AM  
Index meas. : 2969  
Database name : Granulog

Ultrasounds : 15 s (+during)  
Obscuration : 14 %  
Diameter at 10% : 56.59 µm  
Diameter at 50% : 186.74 µm  
Diameter at 90% : 346.60 µm  
Mean diameter : 196.95 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	0.00	0.00	0.08	0.12	0.15	0.18	0.22	0.26	0.31
q3	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.36	0.42	0.48	0.54	0.60	0.67	0.79	0.90	1.01	1.11
q3	0.03	0.05	0.05	0.05	0.06	0.07	0.07	0.07	0.08	0.08
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.20	1.28	1.44	1.76	2.05	2.33	2.46	2.59	2.73	2.86
q3	0.08	0.08	0.09	0.09	0.10	0.12	0.13	0.14	0.16	0.16
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	3.00	3.13	3.40	3.66	3.92	4.16	4.39	4.60	4.80	4.98
q3	0.18	0.18	0.20	0.22	0.24	0.24	0.25	0.24	0.25	0.24
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	5.15	5.30	5.44	5.70	6.02	6.31	6.71	7.16	7.40	7.65
q3	0.24	0.22	0.22	0.22	0.20	0.20	0.24	0.30	0.35	0.39
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	8.33	9.04	9.47	9.91	10.92	12.09	12.69	13.48	14.32	15.24
q3	0.46	0.53	0.58	0.63	0.68	0.78	0.87	0.97	1.10	1.27
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	16.25	17.36	18.82	20.44	24.45	26.18	29.89	31.90	33.96	38.23
q3	1.48	1.71	1.98	2.33	2.89	3.49	3.97	4.54	4.81	5.24
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	42.61	47.02	51.40	55.66	60.51	71.00	73.36	84.65	95.31	99.37
q3	5.72	6.11	6.42	6.58	6.59	6.28	5.75	4.90	2.94	1.44
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	0.27	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-06\_8-10cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 08/08/2023 Time : 10:14:27AM  
 Index meas. : 2970  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 74.91  $\mu\text{m}$   
 Diameter at 50% : 199.91  $\mu\text{m}$   
 Diameter at 90% : 362.25  $\mu\text{m}$   
 Mean diameter : 211.11  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

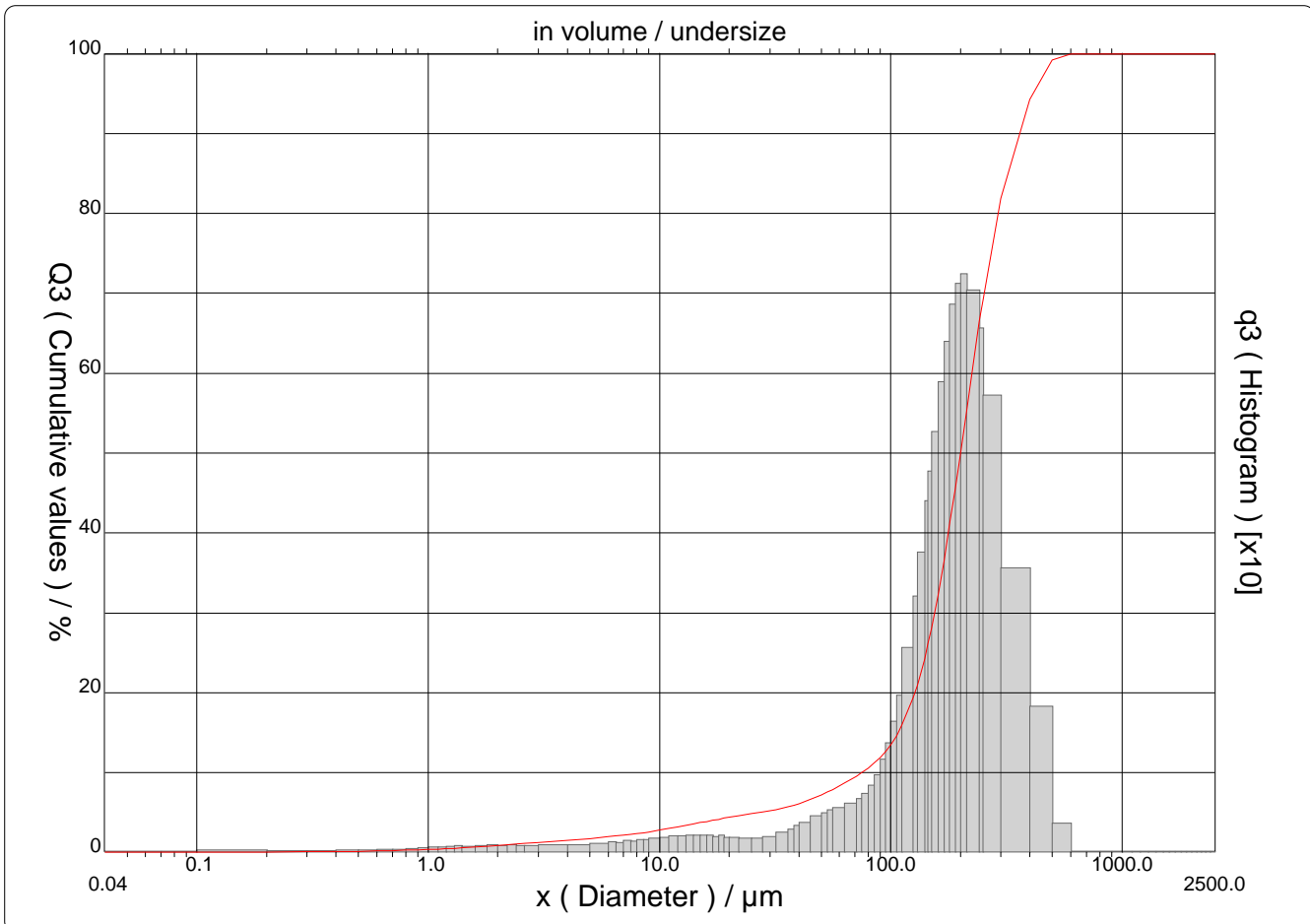
### Customer defined classes

### 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	1.51	8.58	11.58	19.36	39.73	69.13	89.48	99.23	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  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\_8-10cm  
Sample Name :  
Sample type : Mixed  
Comments :  
Liquid : Water (eau)  
Dispersing agent :  
Operator : Olivia  
Company :  
Location :  
Date : 08/08/2023 Time : 10:14:27AM  
Index meas. : 2970  
Database name : Granulog

Ultrasounds : 15 s (+during)  
Obscuration : 15 %  
Diameter at 10% : 74.91 µm  
Diameter at 50% : 199.91 µm  
Diameter at 90% : 362.25 µm  
Mean diameter : 211.11 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	0.00	0.00	0.08	0.12	0.14	0.17	0.20	0.24	0.28
q3	0.00	0.00	0.00	0.01	0.01	0.01	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	0.33	0.38	0.44	0.49	0.55	0.61	0.71	0.81	0.91	0.99
q3	0.03	0.04	0.05	0.05	0.06	0.07	0.06	0.07	0.08	0.07
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.07	1.14	1.27	1.54	1.76	1.97	2.08	2.18	2.29	2.39
q3	0.08	0.07	0.07	0.08	0.08	0.09	0.11	0.11	0.13	0.13
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	2.50	2.60	2.81	3.01	3.21	3.40	3.58	3.75	3.91	4.06
q3	0.15	0.14	0.16	0.17	0.19	0.19	0.20	0.20	0.20	0.20
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	4.19	4.32	4.43	4.63	4.88	5.10	5.40	5.74	5.92	6.12
q3	0.19	0.20	0.18	0.17	0.16	0.16	0.18	0.24	0.27	0.32
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	6.64	7.21	7.55	7.90	8.69	9.57	10.01	10.58	11.19	11.86
q3	0.36	0.44	0.48	0.52	0.55	0.60	0.66	0.72	0.82	0.96
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	12.62	13.47	14.63	15.94	19.36	20.89	24.28	26.16	28.13	32.27
q3	1.15	1.36	1.63	1.95	2.55	3.19	3.75	4.39	4.76	5.25
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	36.62	41.07	45.59	50.04	55.18	66.53	69.13	81.84	94.29	99.23
q3	5.88	6.38	6.85	7.10	7.22	7.02	6.55	5.71	3.54	1.81
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	0.35	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-06\_10-12cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 08/08/2023 Time : 10:21:03AM  
 Index meas. : 2971  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 19 %  
 Diameter at 10% : 27.48  $\mu\text{m}$   
 Diameter at 50% : 177.61  $\mu\text{m}$   
 Diameter at 90% : 354.46  $\mu\text{m}$   
 Mean diameter : 186.42  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

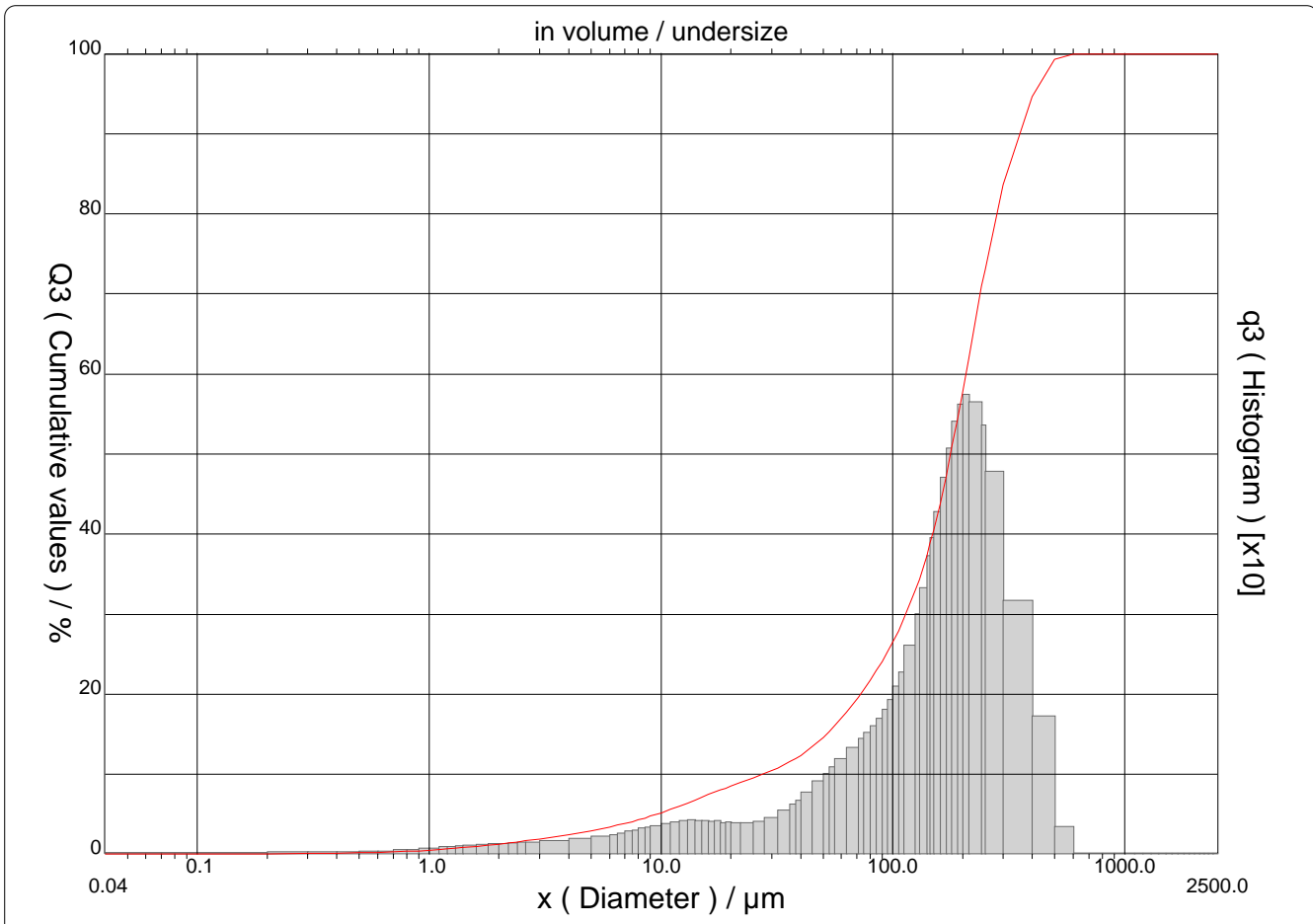
### Customer defined classes

### 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	2.42	17.49	23.64	32.92	49.76	73.06	90.27	99.27	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  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\_10-12cm  
Sample Name :  
Sample type : Mixed  
Comments :  
Liquid : Water (eau)  
Dispersing agent :  
Operator : Olivia  
Company :  
Location :  
Date : 08/08/2023 Time : 10:21:03AM  
Index meas. : 2971  
Database name : Granulog

Ultrasounds : 15 s (+during)  
Obscuration : 19 %  
Diameter at 10% : 27.48 µm  
Diameter at 50% : 177.61 µm  
Diameter at 90% : 354.46 µm  
Mean diameter : 186.42 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	0.01	0.02	0.07	0.13	0.17	0.22	0.27	0.32	0.39
q3	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.03	0.04
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.45	0.53	0.60	0.68	0.76	0.84	1.00	1.15	1.30	1.44
q3	0.04	0.06	0.06	0.08	0.08	0.09	0.10	0.10	0.12	0.12
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.57	1.70	1.94	2.47	2.96	3.42	3.64	3.86	4.09	4.31
q3	0.12	0.13	0.14	0.15	0.18	0.21	0.23	0.24	0.27	0.28
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	4.54	4.76	5.20	5.63	6.04	6.43	6.80	7.14	7.46	7.75
q3	0.31	0.32	0.34	0.37	0.39	0.40	0.41	0.41	0.41	0.39
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	8.03	8.28	8.52	8.96	9.55	10.09	10.81	11.58	11.98	12.39
q3	0.40	0.38	0.39	0.38	0.38	0.39	0.44	0.54	0.61	0.66
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	13.48	14.63	15.33	16.05	17.73	19.64	20.59	21.77	22.94	24.11
q3	0.76	0.90	0.99	1.08	1.18	1.32	1.43	1.51	1.59	1.69
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	25.29	26.48	27.95	29.46	32.92	34.34	37.32	38.90	40.52	43.86
q3	1.80	1.91	2.08	2.26	2.60	2.98	3.31	3.71	3.94	4.26
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	47.31	50.82	54.36	57.85	61.90	70.95	73.06	83.61	94.63	99.27
q3	4.69	5.06	5.39	5.61	5.73	5.63	5.35	4.77	3.16	1.71
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	0.33	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-06\_12-14cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 08/08/2023 Time : 10:47:52AM  
 Index meas. : 2972  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 32.84  $\mu\text{m}$   
 Diameter at 50% : 182.61  $\mu\text{m}$   
 Diameter at 90% : 359.59  $\mu\text{m}$   
 Mean diameter : 191.26  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

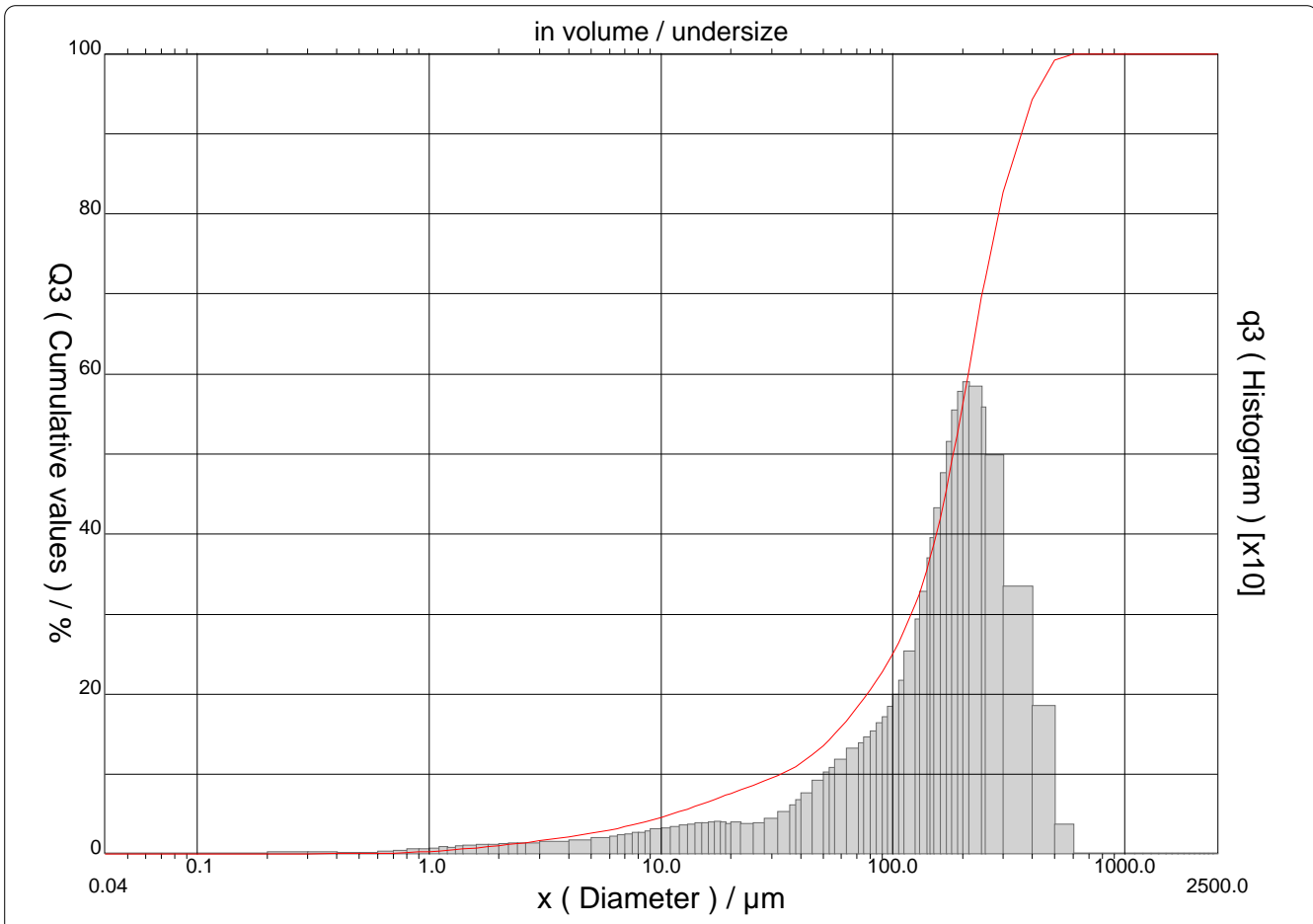
### Customer defined classes

### 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	2.15	16.44	22.37	31.21	47.97	71.80	89.68	99.22	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  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\_12-14cm  
Sample Name :  
Sample type : Mixed  
Comments :  
Liquid : Water (eau)  
Dispersing agent :  
Operator : Olivia  
Company :  
Location :  
Date : 08/08/2023 Time : 10:47:52AM  
Index meas. : 2972  
Database name : Granulog

Ultrasounds : 15 s (+during)  
Obscuration : 14 %  
Diameter at 10% : 32.84 µm  
Diameter at 50% : 182.61 µm  
Diameter at 90% : 359.59 µm  
Mean diameter : 191.26 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	0.00	0.00	0.00	0.06	0.10	0.12	0.14	0.18	0.23
q3	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.30	0.37	0.44	0.52	0.59	0.67	0.82	0.97	1.11	1.24
q3	0.05	0.06	0.06	0.08	0.07	0.09	0.09	0.11	0.11	0.11
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.37	1.49	1.71	2.20	2.64	3.06	3.26	3.46	3.66	3.86
q3	0.12	0.12	0.13	0.14	0.16	0.19	0.21	0.22	0.24	0.26
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	4.05	4.24	4.62	4.98	5.33	5.67	5.99	6.30	6.59	6.87
q3	0.26	0.28	0.30	0.31	0.33	0.35	0.36	0.37	0.37	0.38
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	7.14	7.39	7.62	8.06	8.63	9.15	9.84	10.57	10.96	11.37
q3	0.39	0.38	0.37	0.38	0.37	0.38	0.43	0.51	0.60	0.66
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	12.44	13.59	14.30	15.01	16.67	18.55	19.46	20.59	21.70	22.82
q3	0.75	0.91	1.01	1.07	1.17	1.31	1.38	1.45	1.52	1.63
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	23.93	25.06	26.45	27.88	31.21	32.59	35.51	37.07	38.68	42.03
q3	1.70	1.83	1.98	2.16	2.52	2.92	3.27	3.69	3.94	4.31
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	45.50	49.04	52.64	56.20	60.33	69.62	71.80	82.72	94.28	99.22
q3	4.75	5.14	5.53	5.76	5.88	5.83	5.56	4.97	3.34	1.84
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	0.36	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-06\_14-16cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 08/08/2023 Time : 10:55:05AM  
 Index meas. : 2973  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 16 %  
 Diameter at 10% : 36.10  $\mu\text{m}$   
 Diameter at 50% : 184.22  $\mu\text{m}$   
 Diameter at 90% : 363.07  $\mu\text{m}$   
 Mean diameter : 193.48  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

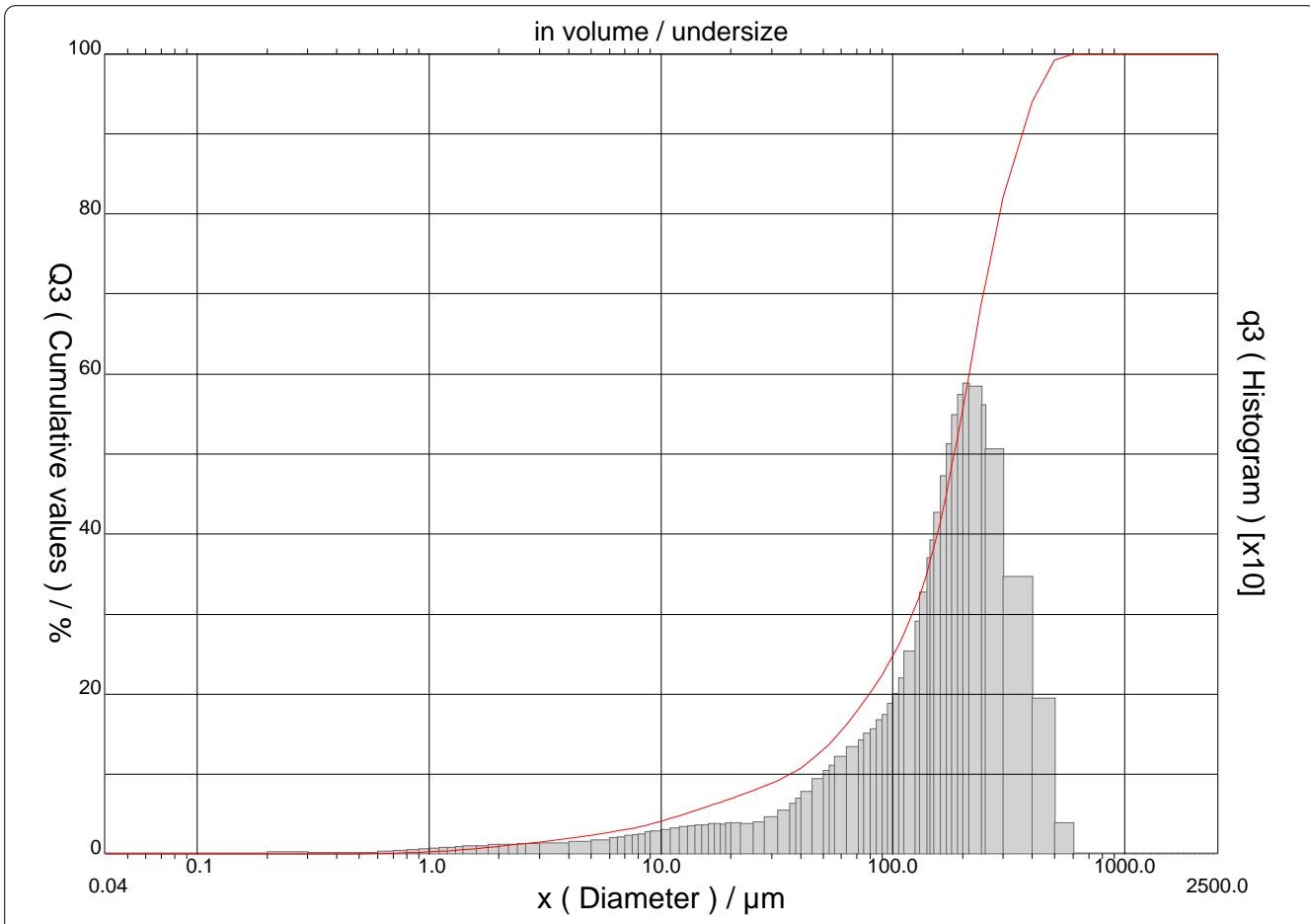
### Customer defined classes

### 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	1.93	15.96	22.00	30.88	47.42	71.08	89.23	99.18	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  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\_14-16cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 08/08/2023 Time : 10:55:05AM  
 Index meas. : 2973  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 16 %  
 Diameter at 10% : 36.10 µm  
 Diameter at 50% : 184.22 µm  
 Diameter at 90% : 363.07 µm  
 Mean diameter : 193.48 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	0.00	0.00	0.00	0.05	0.08	0.09	0.11	0.15	0.20
q3	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.02	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.26	0.32	0.39	0.46	0.53	0.60	0.74	0.87	1.00	1.12
q3	0.04	0.05	0.06	0.07	0.07	0.08	0.09	0.09	0.10	0.11
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.23	1.34	1.54	1.97	2.36	2.72	2.90	3.08	3.26	3.44
q3	0.11	0.11	0.12	0.12	0.15	0.16	0.19	0.20	0.22	0.23
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	3.61	3.79	4.14	4.48	4.81	5.13	5.43	5.72	5.99	6.26
q3	0.23	0.26	0.28	0.30	0.32	0.33	0.34	0.35	0.35	0.37
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	6.51	6.74	6.97	7.40	7.97	8.50	9.22	9.98	10.38	10.80
q3	0.36	0.35	0.37	0.38	0.37	0.39	0.45	0.54	0.62	0.68
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	11.89	13.06	13.78	14.50	16.20	18.10	19.03	20.19	21.32	22.46
q3	0.77	0.93	1.03	1.09	1.20	1.33	1.42	1.50	1.56	1.66
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	23.58	24.73	26.12	27.56	30.88	32.24	35.13	36.68	38.27	41.56
q3	1.73	1.87	1.99	2.18	2.52	2.89	3.25	3.69	3.91	4.25
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	44.98	48.48	52.03	55.55	59.65	68.90	71.08	82.10	94.01	99.18
q3	4.71	5.11	5.48	5.73	5.87	5.83	5.59	5.04	3.45	1.93
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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-06\_16-18cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 08/08/2023 Time : 11:02:23AM  
 Index meas. : 2974  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 19 %  
 Diameter at 10% : 15.13  $\mu\text{m}$   
 Diameter at 50% : 171.78  $\mu\text{m}$   
 Diameter at 90% : 356.89  $\mu\text{m}$   
 Mean diameter : 179.00  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

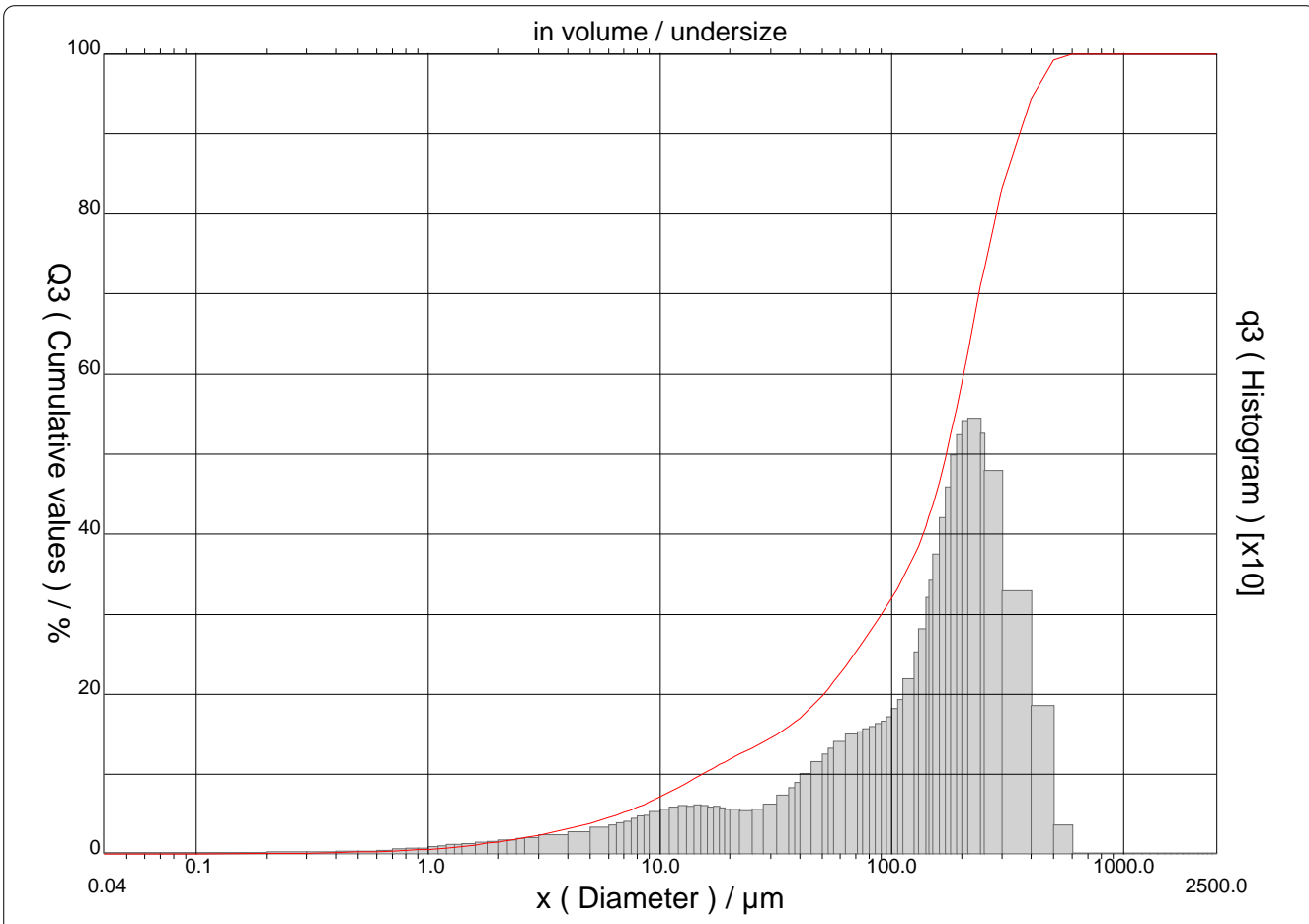
### Customer defined classes

### 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	3.11	23.20	29.51	37.32	51.58	73.04	89.95	99.24	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  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\_16-18cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 08/08/2023 Time : 11:02:23AM  
 Index meas. : 2974  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 19 %  
 Diameter at 10% : 15.13 µm  
 Diameter at 50% : 171.78 µm  
 Diameter at 90% : 356.89 µm  
 Mean diameter : 179.00 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	0.03	0.05	0.11	0.17	0.23	0.29	0.35	0.41	0.49
q3	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.05
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.57	0.65	0.74	0.83	0.93	1.02	1.21	1.40	1.58	1.76
q3	0.06	0.06	0.08	0.09	0.11	0.10	0.12	0.14	0.14	0.16
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.93	2.10	2.42	3.18	3.89	4.58	4.91	5.24	5.56	5.89
q3	0.17	0.18	0.19	0.22	0.27	0.32	0.35	0.38	0.39	0.43
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	6.22	6.54	7.18	7.79	8.38	8.94	9.45	9.94	10.39	10.80
q3	0.46	0.48	0.52	0.54	0.58	0.59	0.58	0.60	0.59	0.57
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	11.19	11.55	11.88	12.49	13.29	14.02	14.98	15.98	16.50	17.03
q3	0.58	0.56	0.55	0.54	0.53	0.55	0.61	0.72	0.82	0.88
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	18.41	19.83	20.68	21.53	23.47	25.56	26.54	27.72	28.85	29.94
q3	0.99	1.14	1.24	1.31	1.40	1.48	1.52	1.55	1.58	1.62
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	30.99	32.02	33.26	34.50	37.32	38.48	40.93	42.25	43.61	46.45
q3	1.65	1.70	1.81	1.91	2.18	2.51	2.81	3.19	3.40	3.73
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	49.44	52.52	55.69	58.85	62.56	71.03	73.04	83.30	94.40	99.24
q3	4.18	4.57	4.97	5.23	5.40	5.43	5.24	4.77	3.27	1.84
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	0.35	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-06\_18-20cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 08/08/2023 Time : 11:09:49AM  
 Index meas. : 2975  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 28.55  $\mu\text{m}$   
 Diameter at 50% : 192.72  $\mu\text{m}$   
 Diameter at 90% : 374.54  $\mu\text{m}$   
 Mean diameter : 198.28  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

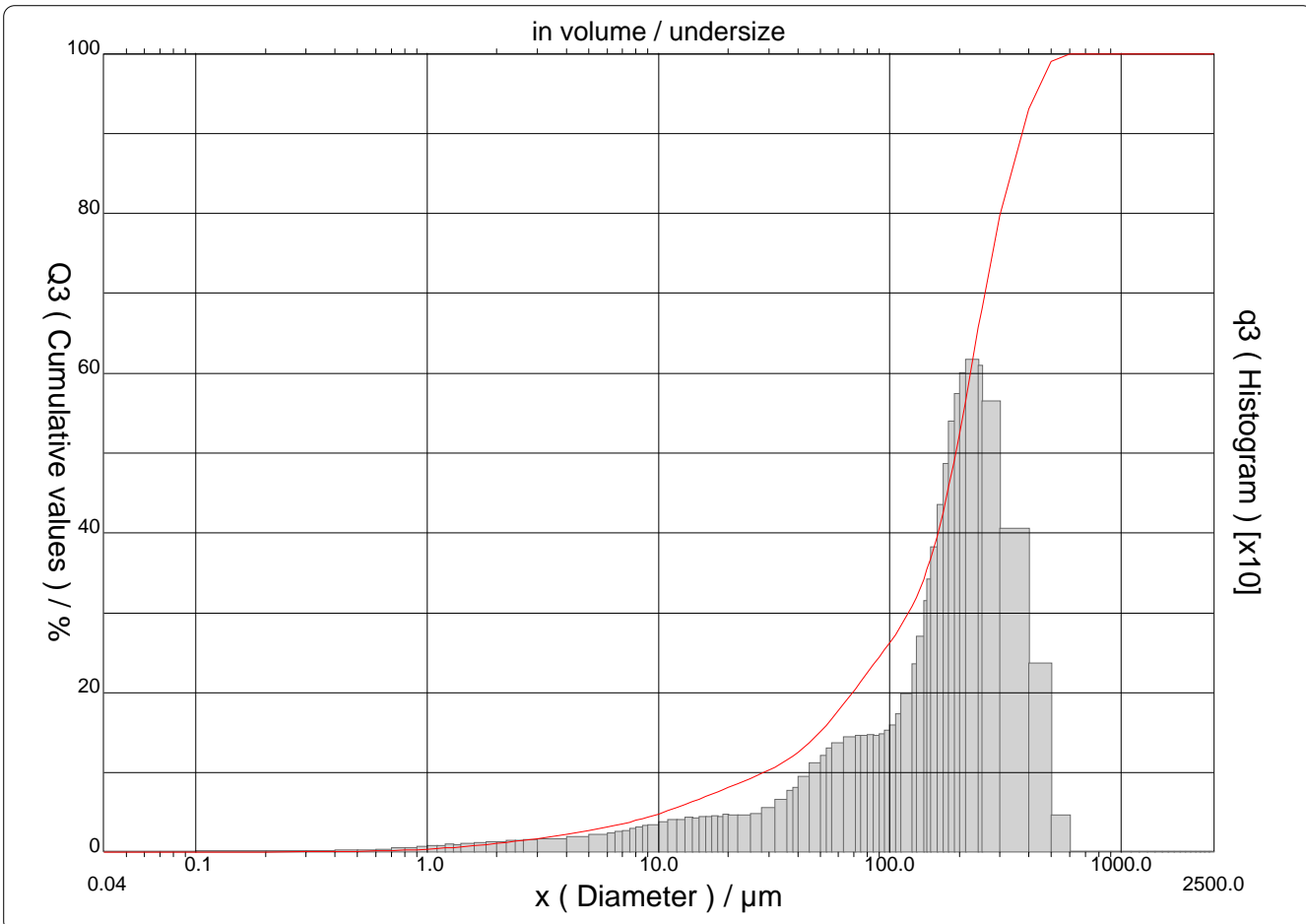
### Customer defined classes

### 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	2.24	18.29	24.07	30.84	44.78	68.00	87.61	99.05	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  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\_18-20cm  
Sample Name :  
Sample type : Mixed  
Comments :  
Liquid : Water (eau)  
Dispersing agent :  
Operator : Olivia  
Company :  
Location :  
Date : 08/08/2023 Time : 11:09:49AM  
Index meas. : 2975  
Database name : Granulog

Ultrasounds : 15 s (+during)  
Obscuration : 15 %  
Diameter at 10% : 28.55 µm  
Diameter at 50% : 192.72 µm  
Diameter at 90% : 374.54 µm  
Mean diameter : 198.28 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	0.00	0.00	0.06	0.10	0.13	0.16	0.19	0.23	0.29
q3	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.02	0.04
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.35	0.42	0.50	0.57	0.65	0.72	0.87	1.02	1.16	1.29
q3	0.04	0.06	0.07	0.07	0.09	0.08	0.10	0.11	0.12	0.12
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.42	1.54	1.77	2.28	2.74	3.18	3.39	3.60	3.80	4.01
q3	0.13	0.13	0.14	0.16	0.18	0.21	0.23	0.25	0.25	0.28
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	4.22	4.43	4.83	5.23	5.62	5.98	6.34	6.67	6.99	7.29
q3	0.30	0.32	0.33	0.37	0.39	0.39	0.42	0.42	0.43	0.43
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	7.58	7.85	8.12	8.61	9.27	9.88	10.71	11.58	12.05	12.52
q3	0.44	0.44	0.46	0.45	0.45	0.47	0.54	0.65	0.76	0.80
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	13.78	15.11	15.91	16.72	18.55	20.50	21.41	22.48	23.49	24.44
q3	0.94	1.10	1.20	1.29	1.36	1.43	1.45	1.45	1.46	1.45
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	25.35	26.24	27.29	28.37	30.84	31.89	34.17	35.43	36.75	39.56
q3	1.47	1.52	1.58	1.72	1.97	2.34	2.69	3.14	3.41	3.81
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	42.57	45.74	49.07	52.43	56.42	65.74	68.00	79.74	93.04	99.05
q3	4.34	4.85	5.39	5.73	5.99	6.16	6.08	5.63	4.04	2.36
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	0.46	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-06\_20-22cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 08/08/2023 Time : 11:17:18AM  
 Index meas. : 2976  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 31.33  $\mu\text{m}$   
 Diameter at 50% : 204.32  $\mu\text{m}$   
 Diameter at 90% : 382.04  $\mu\text{m}$   
 Mean diameter : 208.93  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

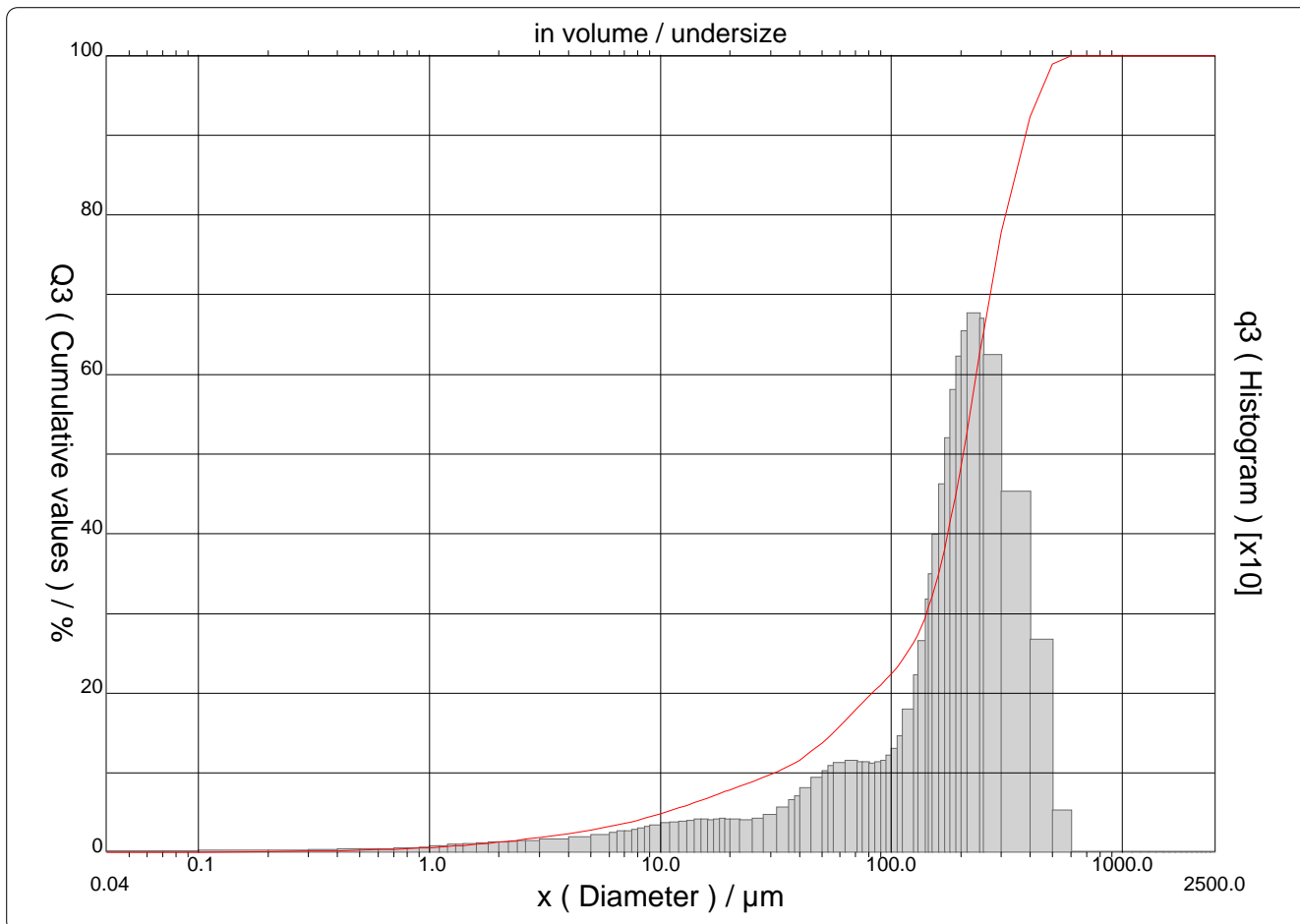
### Customer defined classes

### 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	2.35	16.36	20.78	26.36	40.36	65.10	86.37	98.95	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  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\_20-22cm  
Sample Name :  
Sample type : Mixed  
Comments :  
Liquid : Water (eau)  
Dispersing agent :  
Operator : Olivia  
Company :  
Location :  
Date : 08/08/2023 Time : 11:17:18AM  
Index meas. : 2976  
Database name : Granulog

Ultrasounds : 15 s (+during)  
Obscuration : 14 %  
Diameter at 10% : 31.33 µm  
Diameter at 50% : 204.32 µm  
Diameter at 90% : 382.04 µm  
Mean diameter : 208.93 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	0.13	0.20	0.26	0.33	0.39	0.44	0.50
q3	0.00	0.00	0.01	0.01	0.02	0.02	0.03	0.03	0.03	0.04
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.56	0.62	0.69	0.76	0.84	0.91	1.05	1.19	1.33	1.45
q3	0.05	0.05	0.07	0.07	0.09	0.08	0.09	0.11	0.12	0.11
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.57	1.69	1.91	2.40	2.85	3.27	3.48	3.69	3.89	4.09
q3	0.12	0.13	0.14	0.15	0.18	0.21	0.23	0.25	0.26	0.28
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	4.29	4.49	4.88	5.26	5.62	5.96	6.28	6.59	6.88	7.15
q3	0.30	0.31	0.33	0.36	0.37	0.38	0.39	0.40	0.40	0.40
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	7.41	7.66	7.89	8.32	8.89	9.42	10.11	10.84	11.23	11.63
q3	0.41	0.41	0.40	0.40	0.40	0.42	0.46	0.55	0.65	0.70
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	12.68	13.77	14.43	15.09	16.56	18.09	18.78	19.59	20.34	21.06
q3	0.80	0.93	1.01	1.07	1.12	1.15	1.13	1.12	1.11	1.13
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	21.75	22.44	23.28	24.17	26.36	27.33	29.52	30.76	32.08	34.95
q3	1.14	1.20	1.29	1.45	1.78	2.21	2.64	3.16	3.48	3.98
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	38.07	41.38	44.88	48.44	52.69	62.67	65.10	77.79	92.32	98.95
q3	4.61	5.18	5.79	6.21	6.53	6.75	6.69	6.23	4.52	2.66
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	0.52	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-06\_22-24cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 08/08/2023 Time : 11:25:07AM  
 Index meas. : 2977  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 14.72  $\mu\text{m}$   
 Diameter at 50% : 193.26  $\mu\text{m}$   
 Diameter at 90% : 371.56  $\mu\text{m}$   
 Mean diameter : 194.64  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

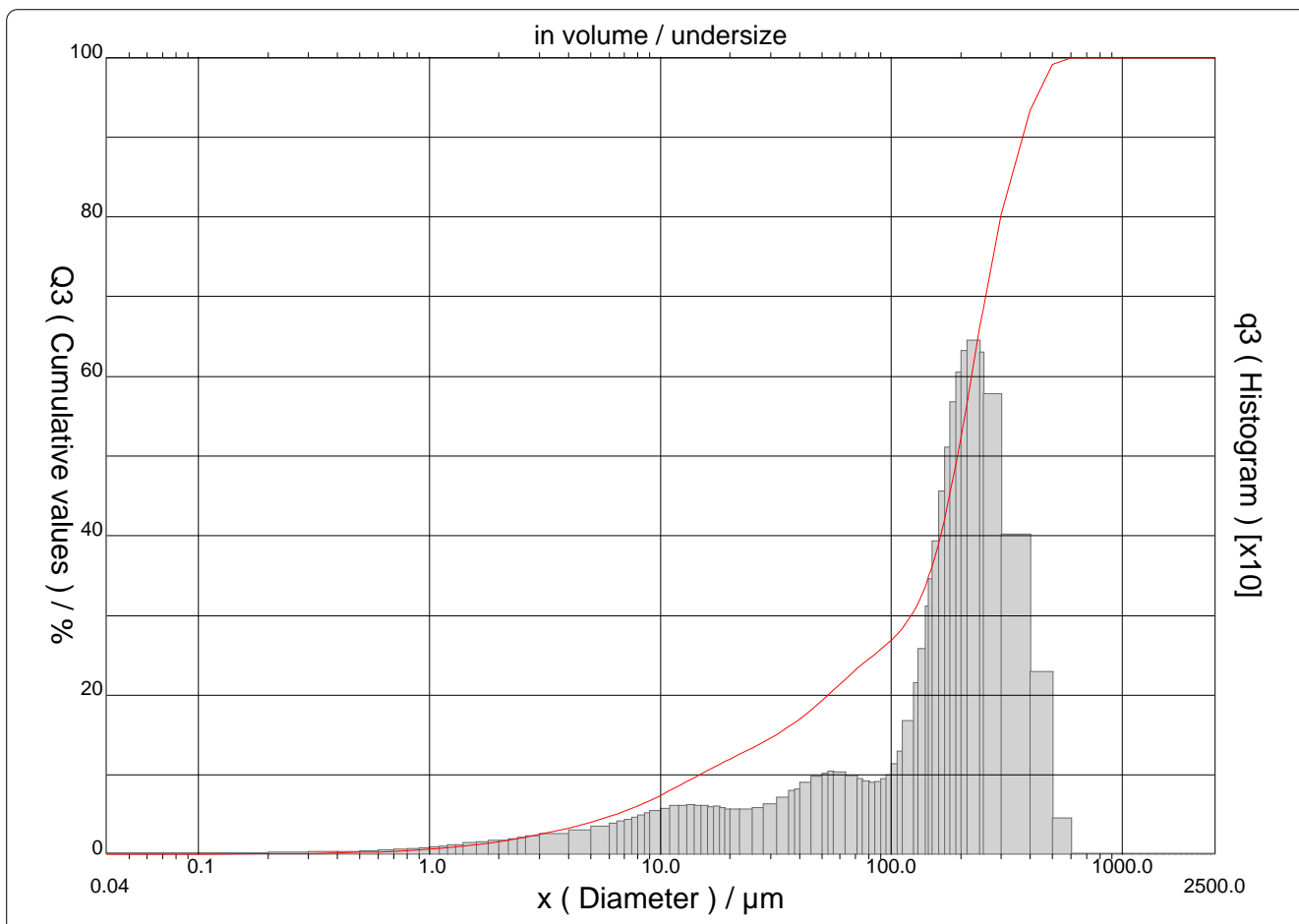
### Customer defined classes

### 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	3.25	21.79	25.50	30.47	44.37	68.43	88.08	99.09	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  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\_22-24cm  
Sample Name :  
Sample type : Mixed  
Comments :  
Liquid : Water (eau)  
Dispersing agent :  
Operator : Olivia  
Company :  
Location :  
Date : 08/08/2023 Time : 11:25:07AM  
Index meas. : 2977  
Database name : Granulog

Ultrasounds : 15 s (+during)  
Obscuration : 15 %  
Diameter at 10% : 14.72 µm  
Diameter at 50% : 193.26 µm  
Diameter at 90% : 371.56 µm  
Mean diameter : 194.64 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	0.06	0.12	0.18	0.25	0.31	0.37	0.44	0.52
q3	0.00	0.00	0.00	0.01	0.01	0.02	0.02	0.03	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	0.60	0.68	0.77	0.86	0.96	1.05	1.25	1.44	1.63	1.81
q3	0.06	0.07	0.08	0.09	0.11	0.11	0.13	0.14	0.16	0.17
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.99	2.17	2.52	3.32	4.07	4.77	5.11	5.45	5.78	6.11
q3	0.18	0.20	0.22	0.25	0.30	0.34	0.38	0.41	0.42	0.45
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	6.44	6.77	7.41	8.02	8.61	9.15	9.66	10.13	10.57	10.97
q3	0.48	0.51	0.54	0.57	0.60	0.60	0.61	0.60	0.60	0.58
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	11.35	11.70	12.02	12.62	13.42	14.15	15.09	16.03	16.51	16.98
q3	0.59	0.57	0.55	0.56	0.55	0.57	0.62	0.71	0.79	0.81
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	18.17	19.32	19.98	20.62	21.98	23.30	23.88	24.54	25.15	25.73
q3	0.89	0.97	1.00	1.03	1.02	0.98	0.94	0.90	0.89	0.90
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	26.30	26.87	27.61	28.41	30.47	31.42	33.57	34.80	36.12	38.98
q3	0.93	0.98	1.12	1.29	1.66	2.14	2.57	3.10	3.45	3.92
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	42.09	45.38	48.84	52.34	56.49	66.12	68.43	80.31	93.34	99.09
q3	4.54	5.09	5.66	6.04	6.30	6.44	6.28	5.77	4.01	2.28
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	0.44	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-06\_24-26cm  
Sample Name :  
Sample type : Mixed  
Comments :  
Liquid : Water (eau)  
Dispersing agent :  
Operator : Olivia  
Company :  
Location :  
Date : 08/08/2023 Time : 11:32:03AM  
Index meas. : 2978  
Database name : Granulog

Ultrasounds : 15 s (+during)  
Obscuration : 15 %  
Diameter at 10% : 13.51  $\mu\text{m}$   
Diameter at 50% : 193.51  $\mu\text{m}$   
Diameter at 90% : 371.59  $\mu\text{m}$   
Mean diameter : 193.79  $\mu\text{m}$   
Fraunhofer  
Density/Factor : -----  
Specific surface : -----  
Automatic dilution : No / No  
Meas./Rins. : 60s/60s/4  
SOP name : Mixed

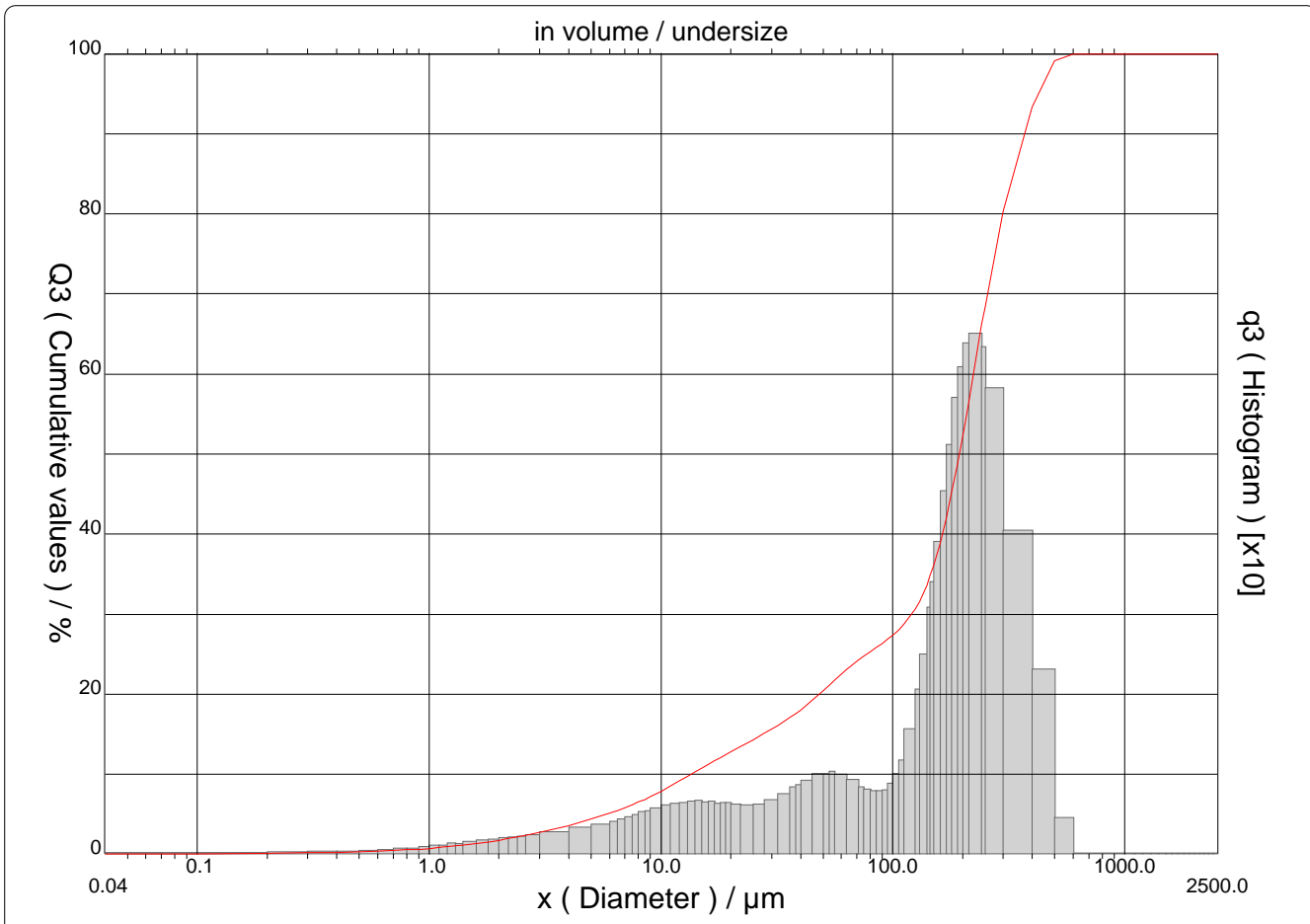
### Customer defined classes

### 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	3.51	22.85	26.17	30.64	44.29	68.39	88.09	99.09	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  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\_24-26cm  
Sample Name :  
Sample type : Mixed  
Comments :  
Liquid : Water (eau)  
Dispersing agent :  
Operator : Olivia  
Company :  
Location :  
Date : 08/08/2023 Time : 11:32:03AM  
Index meas. : 2978  
Database name : Granulog

Ultrasounds : 15 s (+during)  
Obscuration : 15 %  
Diameter at 10% : 13.51 µm  
Diameter at 50% : 193.51 µm  
Diameter at 90% : 371.59 µm  
Mean diameter : 193.79 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	0.13	0.20	0.27	0.34	0.41	0.48	0.57
q3	0.00	0.00	0.01	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	0.65	0.74	0.84	0.94	1.05	1.15	1.36	1.57	1.77	1.97
q3	0.06	0.08	0.09	0.10	0.12	0.12	0.14	0.16	0.17	0.19
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	2.17	2.36	2.73	3.59	4.39	5.13	5.49	5.84	6.19	6.54
q3	0.20	0.21	0.23	0.27	0.32	0.36	0.40	0.42	0.45	0.48
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	6.89	7.23	7.90	8.54	9.15	9.72	10.26	10.77	11.23	11.67
q3	0.51	0.53	0.57	0.60	0.62	0.63	0.65	0.66	0.63	0.65
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	12.07	12.45	12.81	13.46	14.32	15.10	16.10	17.08	17.58	18.07
q3	0.62	0.63	0.62	0.61	0.60	0.61	0.67	0.74	0.82	0.85
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	19.27	20.44	21.09	21.72	23.02	24.25	24.76	25.34	25.87	26.37
q3	0.91	0.99	0.99	1.02	0.98	0.92	0.83	0.80	0.78	0.78
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	26.85	27.35	28.00	28.72	30.64	31.54	33.61	34.82	36.11	38.93
q3	0.79	0.87	0.99	1.16	1.56	2.04	2.49	3.07	3.39	3.89
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	42.01	45.29	48.75	52.25	56.42	66.08	68.39	80.30	93.34	99.09
q3	4.52	5.11	5.69	6.07	6.37	6.49	6.32	5.81	4.03	2.29
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	0.44	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-06\_26-28cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 08/08/2023 Time : 11:38:43AM  
 Index meas. : 2979  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 62.51  $\mu\text{m}$   
 Diameter at 50% : 219.22  $\mu\text{m}$   
 Diameter at 90% : 389.31  $\mu\text{m}$   
 Mean diameter : 228.45  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

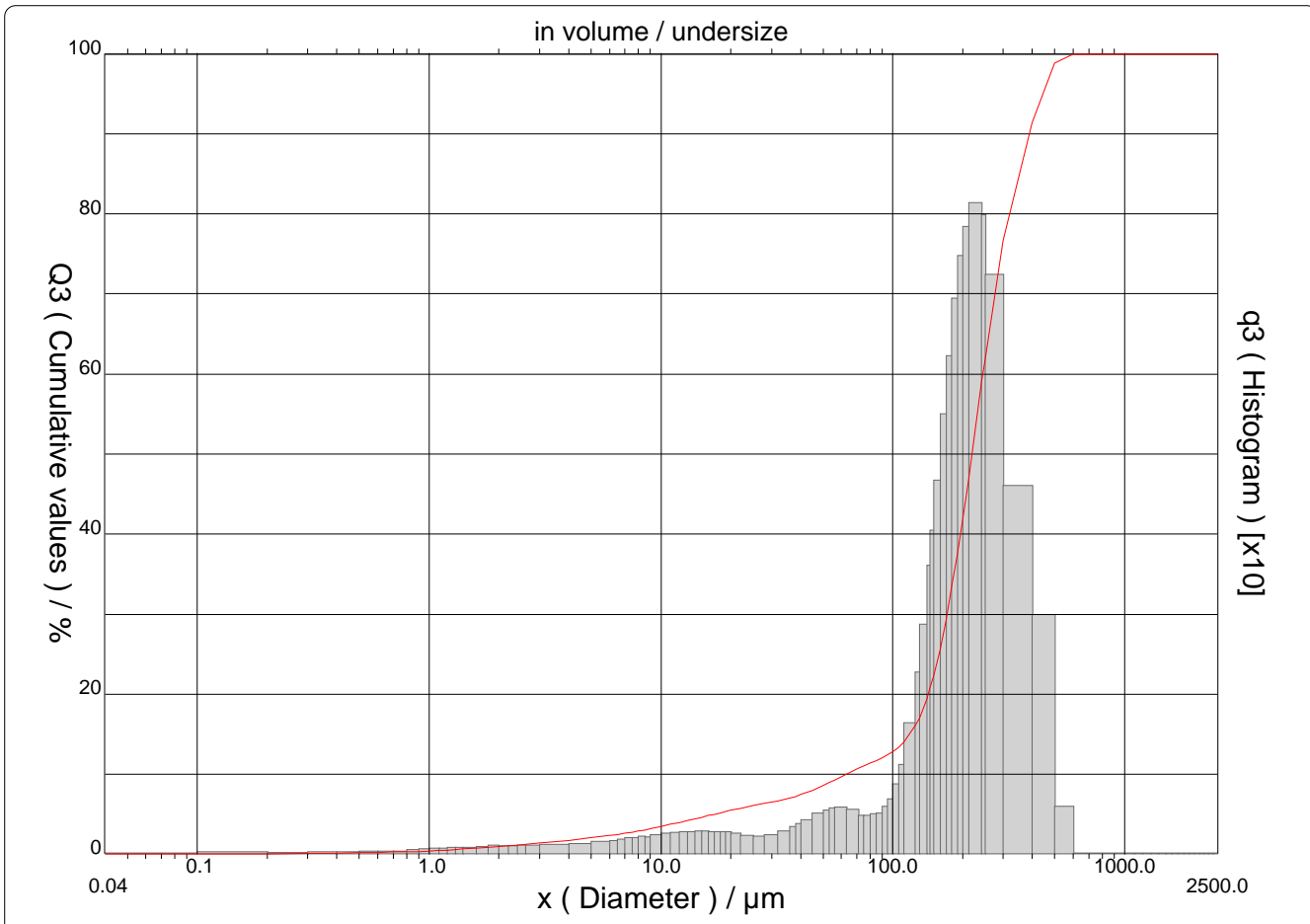
### Customer defined classes

### 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	1.72	9.95	11.93	16.04	32.17	61.88	85.46	98.82	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  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\_26-28cm  
Sample Name :  
Sample type : Mixed  
Comments :  
Liquid : Water (eau)  
Dispersing agent :  
Operator : Olivia  
Company :  
Location :  
Date : 08/08/2023 Time : 11:38:43AM  
Index meas. : 2979  
Database name : Granulog

Ultrasounds : 15 s (+during)  
Obscuration : 14 %  
Diameter at 10% : 62.51 µm  
Diameter at 50% : 219.22 µm  
Diameter at 90% : 389.31 µm  
Mean diameter : 228.45 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	0.00	0.00	0.09	0.13	0.17	0.20	0.24	0.28	0.32
q3	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.37	0.43	0.49	0.55	0.61	0.67	0.78	0.89	1.00	1.09
q3	0.04	0.05	0.06	0.06	0.07	0.07	0.07	0.08	0.09	0.08
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.18	1.27	1.42	1.76	2.06	2.36	2.50	2.64	2.79	2.93
q3	0.09	0.10	0.09	0.11	0.12	0.15	0.16	0.17	0.19	0.19
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	3.07	3.20	3.47	3.73	3.98	4.22	4.44	4.65	4.85	5.03
q3	0.21	0.20	0.23	0.24	0.26	0.27	0.27	0.27	0.28	0.27
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	5.20	5.36	5.51	5.77	6.08	6.35	6.69	7.05	7.25	7.46
q3	0.27	0.26	0.26	0.24	0.22	0.21	0.23	0.27	0.33	0.37
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	8.01	8.60	8.95	9.30	10.05	10.78	11.07	11.41	11.74	12.06
q3	0.42	0.50	0.54	0.57	0.57	0.55	0.47	0.47	0.49	0.50
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	12.41	12.80	13.36	14.04	16.04	17.03	19.40	20.81	22.34	25.70
q3	0.58	0.68	0.86	1.10	1.63	2.26	2.86	3.59	4.03	4.65
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	29.42	33.39	37.58	41.86	46.96	58.98	61.88	76.63	91.39	98.82
q3	5.49	6.21	6.93	7.46	7.82	8.12	7.97	7.23	4.59	2.98
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	0.58	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-06\_28-30cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 08/08/2023 Time : 11:45:38AM  
 Index meas. : 2980  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 53.23  $\mu\text{m}$   
 Diameter at 50% : 224.14  $\mu\text{m}$   
 Diameter at 90% : 396.87  $\mu\text{m}$   
 Mean diameter : 231.69  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

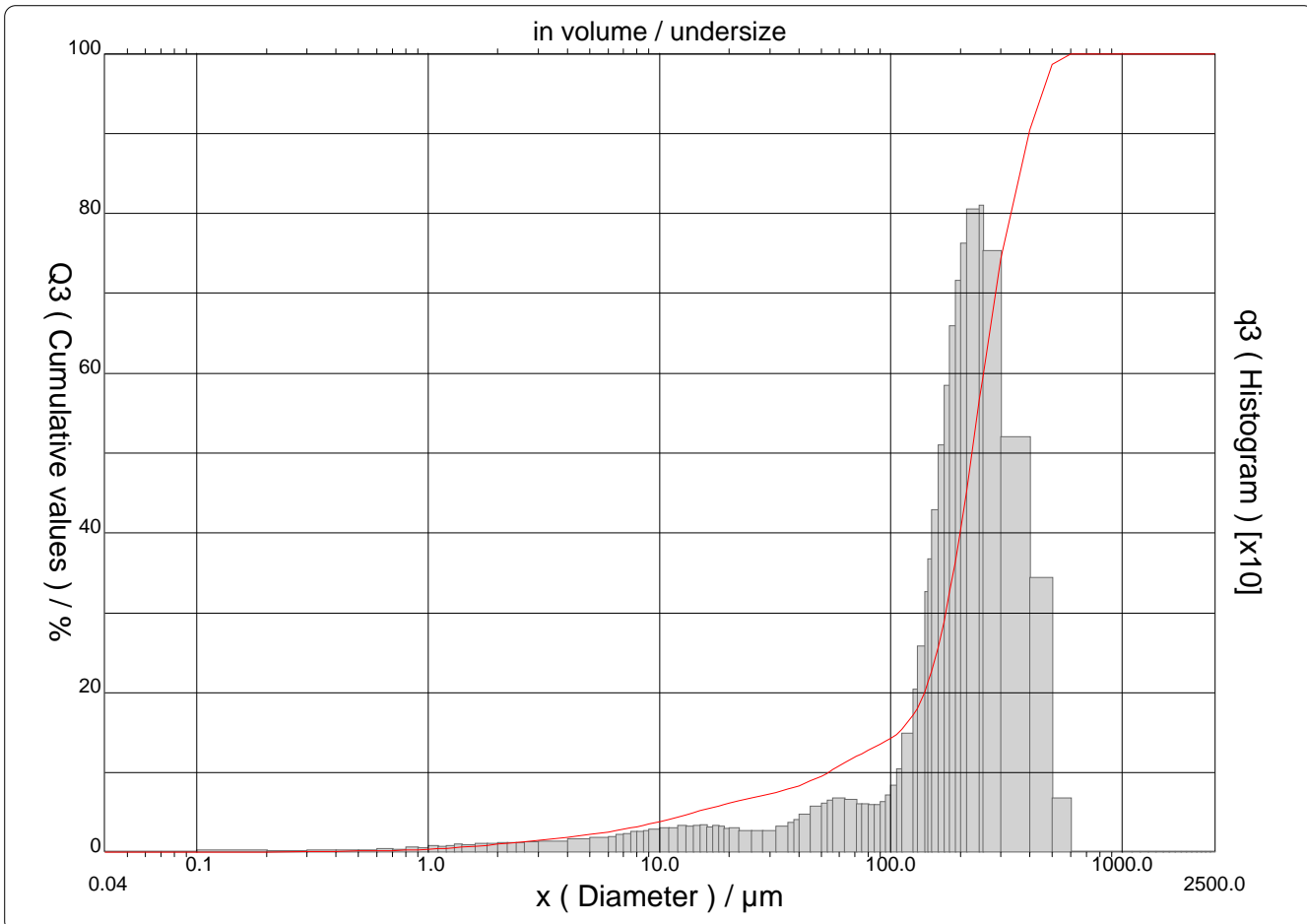
### Customer defined classes

### 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	1.86	11.09	13.40	17.17	31.46	59.50	83.79	98.69	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  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\_28-30cm  
Sample Name :  
Sample type : Mixed  
Comments :  
Liquid : Water (eau)  
Dispersing agent :  
Operator : Olivia  
Company :  
Location :  
Date : 08/08/2023 Time : 11:45:38AM  
Index meas. : 2980  
Database name : Granulog

Ultrasounds : 15 s (+during)  
Obscuration : 15 %  
Diameter at 10% : 53.23 µm  
Diameter at 50% : 224.14 µm  
Diameter at 90% : 396.87 µm  
Mean diameter : 231.69 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	0.00	0.00	0.08	0.12	0.15	0.19	0.22	0.27	0.31
q3	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.03	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.37	0.42	0.49	0.55	0.61	0.68	0.80	0.92	1.03	1.14
q3	0.05	0.04	0.07	0.06	0.07	0.09	0.08	0.09	0.10	0.11
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.24	1.33	1.51	1.89	2.25	2.59	2.75	2.92	3.08	3.25
q3	0.11	0.10	0.12	0.12	0.15	0.17	0.18	0.21	0.21	0.24
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	3.41	3.57	3.88	4.18	4.46	4.74	4.99	5.23	5.46	5.66
q3	0.24	0.26	0.27	0.29	0.30	0.32	0.31	0.32	0.33	0.31
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	5.86	6.04	6.20	6.50	6.85	7.16	7.53	7.93	8.14	8.36
q3	0.32	0.31	0.29	0.29	0.25	0.25	0.26	0.31	0.36	0.40
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	8.95	9.59	9.97	10.35	11.20	12.04	12.39	12.80	13.18	13.54
q3	0.46	0.56	0.60	0.64	0.67	0.65	0.59	0.59	0.58	0.58
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	13.90	14.29	14.81	15.42	17.17	18.03	20.09	21.32	22.66	25.64
q3	0.62	0.70	0.83	1.03	1.47	2.03	2.57	3.24	3.66	4.27
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	28.97	32.57	36.41	40.37	45.16	56.66	59.50	74.31	90.44	98.69
q3	5.08	5.83	6.57	7.14	7.61	8.04	8.08	7.52	5.19	3.42
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	0.66	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-06\_30-32cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 08/08/2023 Time : 11:52:15AM  
 Index meas. : 2981  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 16 %  
 Diameter at 10% : 82.13  $\mu\text{m}$   
 Diameter at 50% : 236.68  $\mu\text{m}$   
 Diameter at 90% : 409.97  $\mu\text{m}$   
 Mean diameter : 246.09  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

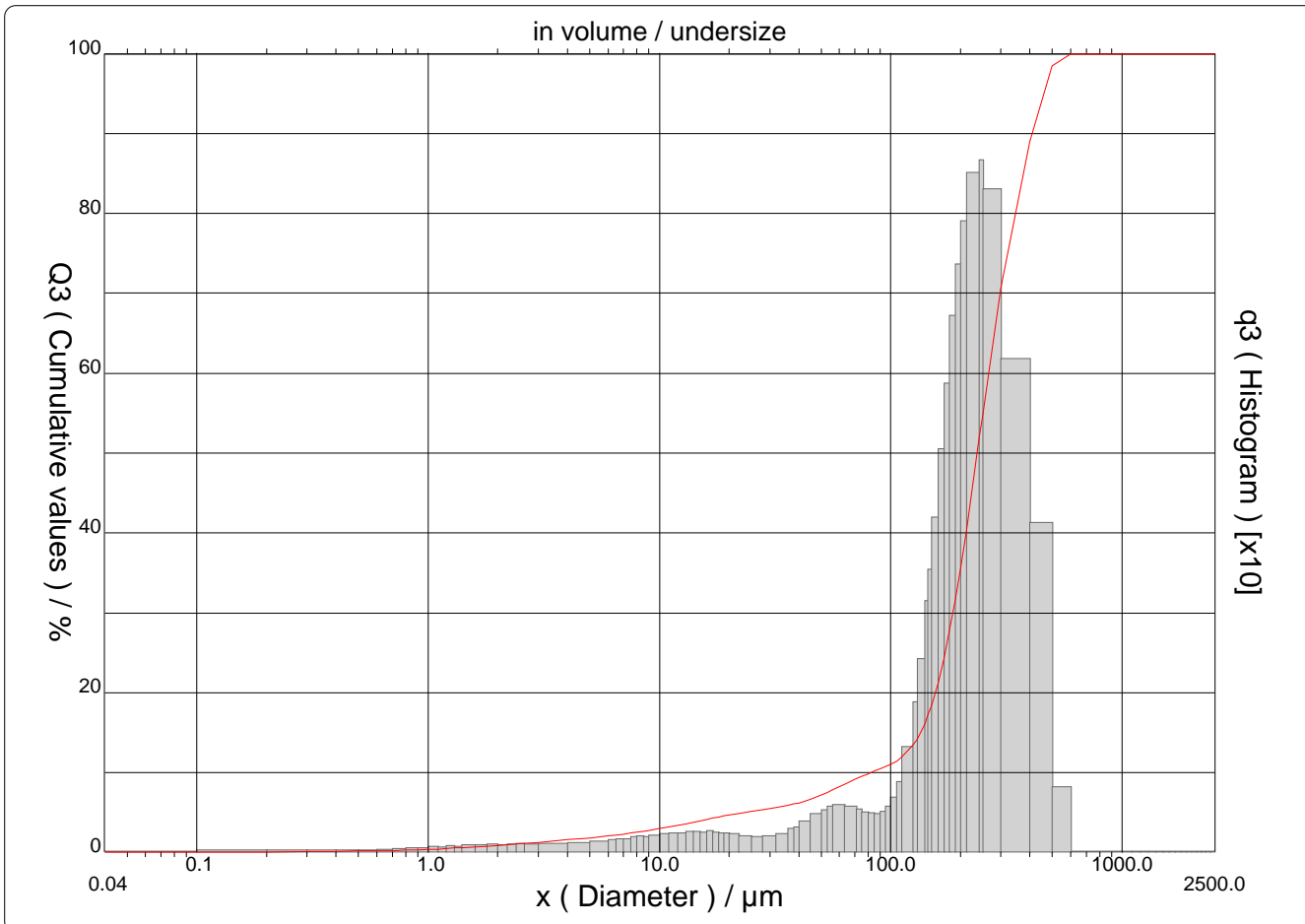
### Customer defined classes

### 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	1.56	8.44	10.34	13.43	26.79	54.88	81.22	98.47	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  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\_30-32cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 08/08/2023 Time : 11:52:15AM  
 Index meas. : 2981  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 16 %  
 Diameter at 10% : 82.13 µm  
 Diameter at 50% : 236.68 µm  
 Diameter at 90% : 409.97 µm  
 Mean diameter : 246.09 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	0.00	0.00	0.09	0.13	0.16	0.19	0.22	0.26	0.30
q3	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.03	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.35	0.40	0.46	0.51	0.57	0.62	0.73	0.83	0.93	1.01
q3	0.04	0.05	0.06	0.06	0.07	0.07	0.08	0.08	0.09	0.08
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.09	1.17	1.30	1.59	1.84	2.08	2.20	2.32	2.43	2.55
q3	0.09	0.10	0.09	0.10	0.11	0.13	0.14	0.16	0.15	0.18
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	2.67	2.78	3.00	3.22	3.43	3.62	3.81	3.99	4.15	4.31
q3	0.19	0.19	0.20	0.22	0.23	0.23	0.25	0.25	0.24	0.25
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	4.45	4.58	4.70	4.92	5.17	5.38	5.64	5.91	6.07	6.23
q3	0.24	0.23	0.23	0.22	0.19	0.18	0.19	0.22	0.29	0.30
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	6.69	7.20	7.51	7.83	8.54	9.24	9.54	9.87	10.17	10.45
q3	0.38	0.47	0.51	0.56	0.58	0.56	0.53	0.49	0.48	0.47
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	10.73	11.03	11.44	11.94	13.43	14.19	16.04	17.18	18.42	21.22
q3	0.50	0.56	0.68	0.88	1.31	1.87	2.41	3.13	3.53	4.18
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	24.39	27.86	31.62	35.53	40.30	51.96	54.88	70.56	88.95	98.47
q3	5.04	5.85	6.70	7.35	7.89	8.49	8.66	8.29	6.16	4.11
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	0.81	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-06\_32-34cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 08/08/2023 Time : 11:59:50AM  
 Index meas. : 2982  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 129.22  $\mu\text{m}$   
 Diameter at 50% : 241.92  $\mu\text{m}$   
 Diameter at 90% : 413.09  $\mu\text{m}$   
 Mean diameter : 255.32  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

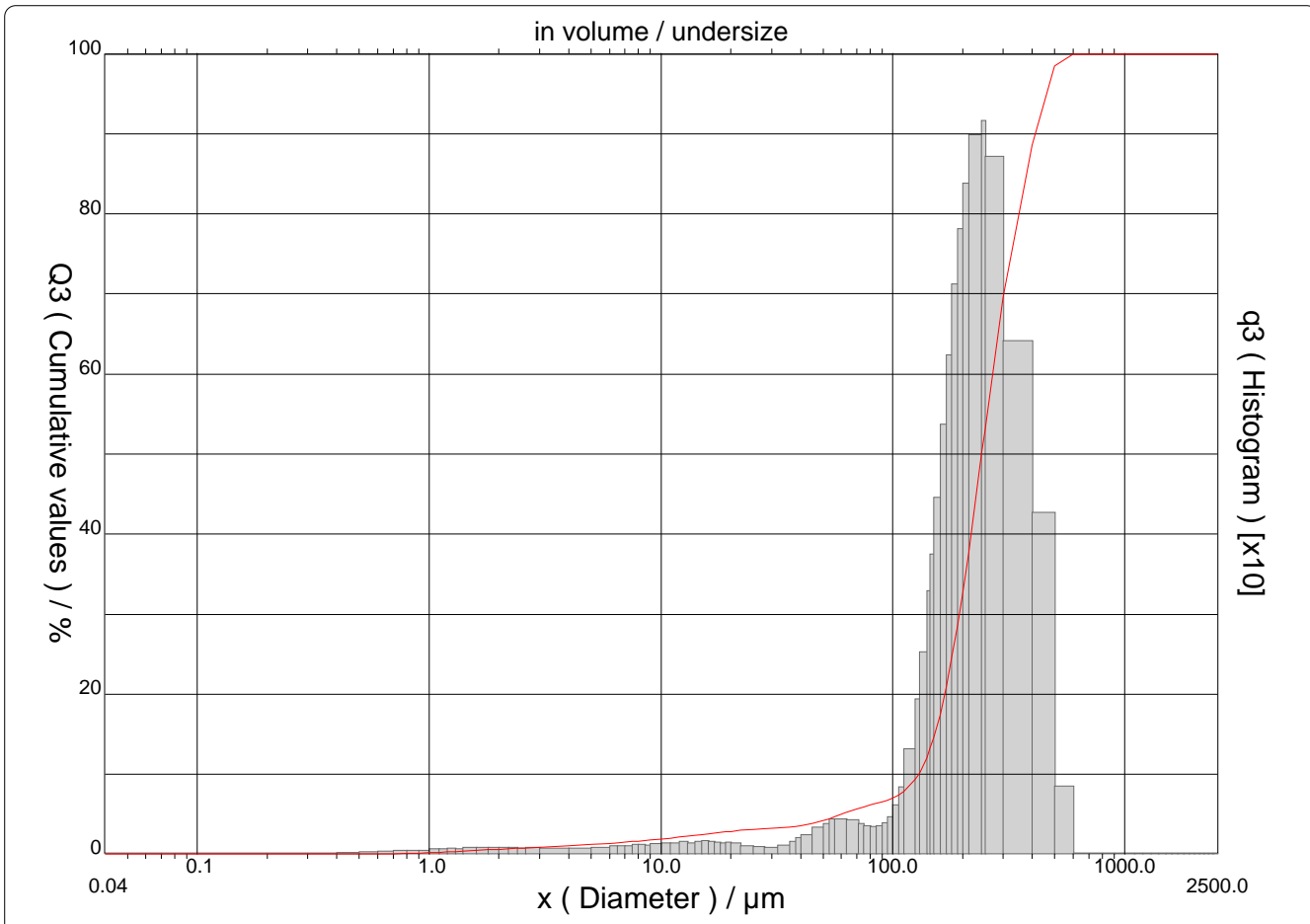
### Customer defined classes

### 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	1.08	5.15	6.50	9.34	23.42	53.11	80.59	98.42	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  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\_32-34cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 08/08/2023 Time : 11:59:50AM  
 Index meas. : 2982  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 129.22 µm  
 Diameter at 50% : 241.92 µm  
 Diameter at 90% : 413.09 µm  
 Mean diameter : 255.32 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	0.00	0.00	0.00	0.00	0.00	0.02	0.04	0.07	0.11
q3	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.15	0.19	0.24	0.29	0.34	0.38	0.48	0.56	0.64	0.71
q3	0.03	0.04	0.05	0.06	0.06	0.05	0.07	0.07	0.07	0.07
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	0.77	0.82	0.92	1.10	1.25	1.39	1.46	1.53	1.59	1.66
q3	0.07	0.06	0.07	0.06	0.06	0.07	0.08	0.09	0.08	0.10
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	1.73	1.79	1.92	2.04	2.15	2.27	2.37	2.47	2.57	2.66
q3	0.11	0.10	0.12	0.12	0.12	0.14	0.13	0.14	0.15	0.14
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	2.74	2.81	2.88	3.00	3.12	3.21	3.31	3.43	3.51	3.61
q3	0.14	0.13	0.13	0.12	0.09	0.08	0.07	0.10	0.14	0.19
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	3.89	4.24	4.46	4.70	5.22	5.73	5.94	6.17	6.38	6.58
q3	0.23	0.32	0.36	0.42	0.43	0.41	0.37	0.34	0.33	0.34
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	6.79	7.03	7.39	7.86	9.34	10.12	12.05	13.24	14.55	17.52
q3	0.38	0.45	0.60	0.82	1.30	1.92	2.51	3.27	3.73	4.44
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	20.88	24.56	28.54	32.68	37.73	50.03	53.11	69.53	88.58	98.42
q3	5.35	6.22	7.11	7.79	8.37	8.97	9.14	8.70	6.39	4.26
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	0.84	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-06\_34-36cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 08/08/2023 Time : 12:10:19AM  
 Index meas. : 2983  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 124.92  $\mu\text{m}$   
 Diameter at 50% : 232.58  $\mu\text{m}$   
 Diameter at 90% : 399.93  $\mu\text{m}$   
 Mean diameter : 246.62  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

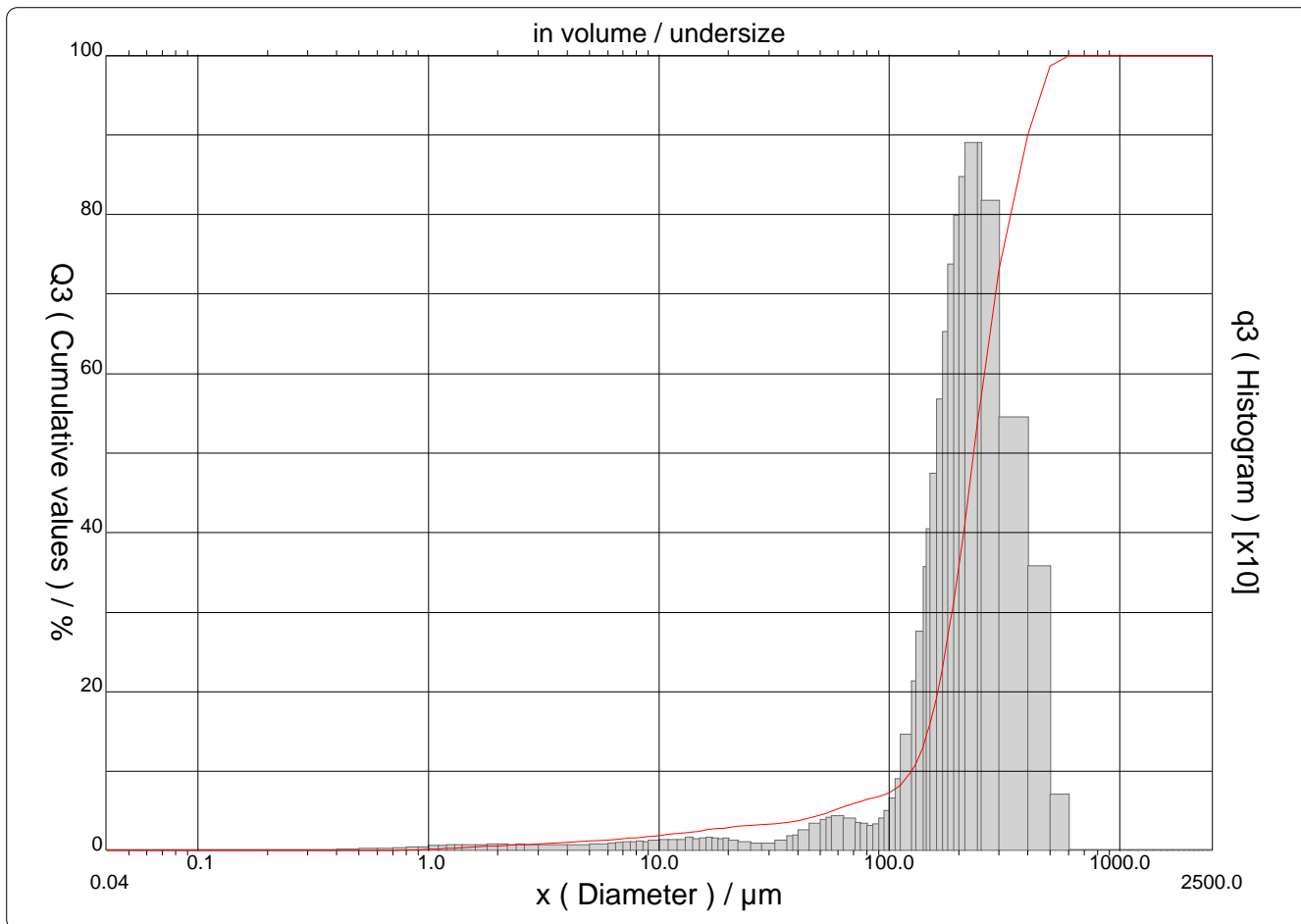
### Customer defined classes

### 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	1.08	5.44	6.77	10.01	25.76	56.95	83.10	98.63	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  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\_34-36cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 08/08/2023 Time : 12:10:19AM  
 Index meas. : 2983  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 124.92 µm  
 Diameter at 50% : 232.58 µm  
 Diameter at 90% : 399.93 µm  
 Mean diameter : 246.62 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	0.00	0.00	0.00	0.00	0.00	0.02	0.04	0.07	0.11
q3	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.15	0.19	0.24	0.29	0.34	0.39	0.48	0.56	0.64	0.71
q3	0.03	0.04	0.05	0.05	0.06	0.06	0.06	0.06	0.07	0.07
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	0.77	0.83	0.92	1.10	1.25	1.39	1.46	1.53	1.60	1.67
q3	0.06	0.07	0.06	0.06	0.06	0.07	0.08	0.09	0.09	0.10
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	1.74	1.80	1.93	2.06	2.18	2.29	2.41	2.51	2.61	2.71
q3	0.11	0.10	0.11	0.13	0.13	0.13	0.15	0.13	0.14	0.15
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	2.80	2.88	2.96	3.08	3.22	3.32	3.44	3.59	3.69	3.79
q3	0.15	0.14	0.14	0.12	0.10	0.08	0.08	0.12	0.17	0.18
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	4.11	4.49	4.73	4.97	5.51	6.02	6.22	6.45	6.65	6.85
q3	0.25	0.33	0.38	0.40	0.42	0.39	0.34	0.33	0.30	0.32
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	7.08	7.35	7.76	8.29	10.01	10.91	13.11	14.46	15.94	19.25
q3	0.39	0.49	0.65	0.89	1.45	2.12	2.74	3.55	4.03	4.73
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	22.97	27.00	31.31	35.74	41.08	53.82	56.95	73.06	90.01	98.63
q3	5.66	6.51	7.36	7.97	8.46	8.88	8.88	8.16	5.44	3.57
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	0.69	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-06\_36-38cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 08/08/2023 Time : 12:17:43AM  
 Index meas. : 2984  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 19 %  
 Diameter at 10% : 113.13  $\mu\text{m}$   
 Diameter at 50% : 226.10  $\mu\text{m}$   
 Diameter at 90% : 394.34  $\mu\text{m}$   
 Mean diameter : 239.16  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

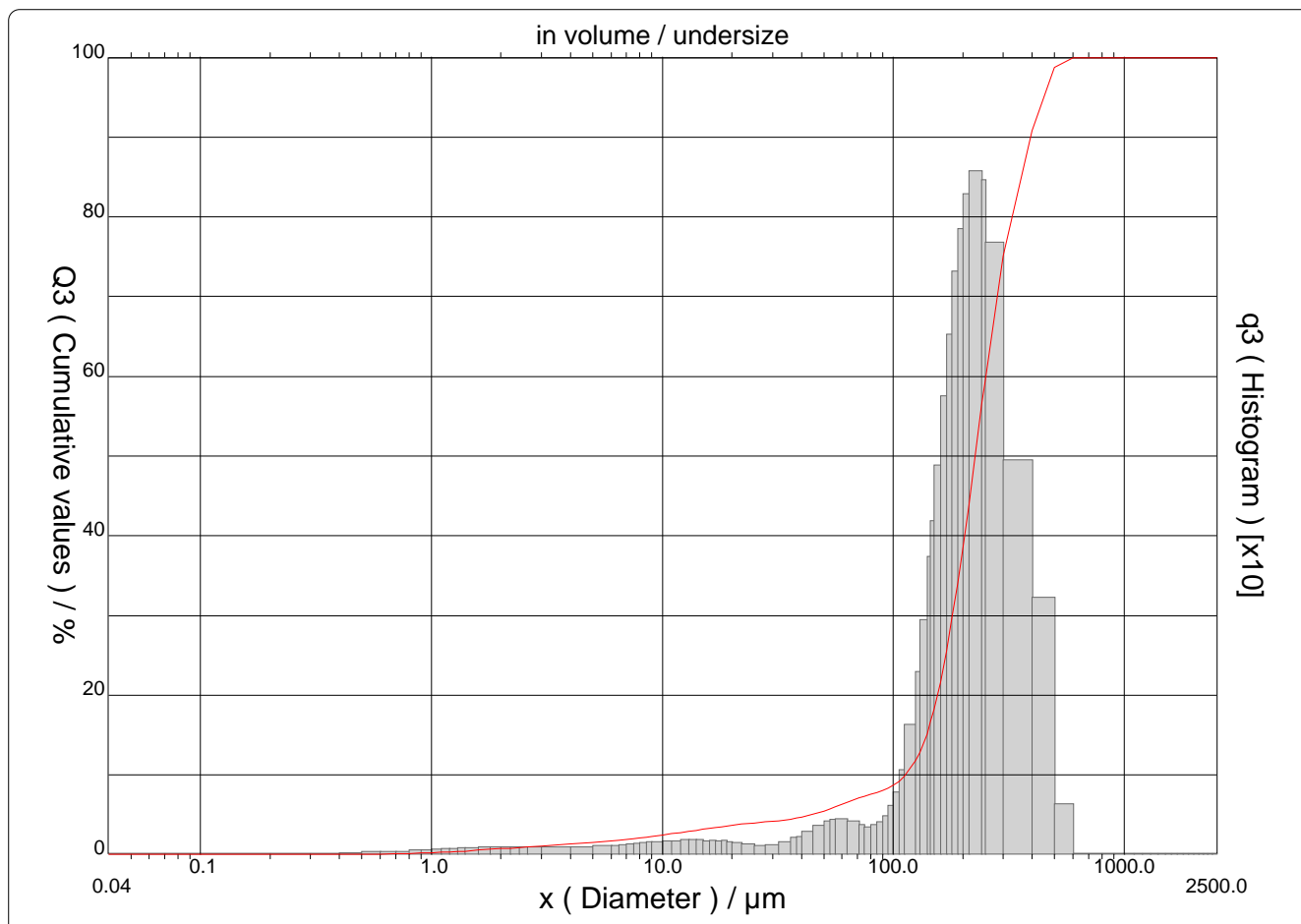
### Customer defined classes

### 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	1.33	6.49	7.96	11.79	28.42	59.51	84.41	98.74	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  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\_36-38cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 08/08/2023 Time : 12:17:43AM  
 Index meas. : 2984  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 19 %  
 Diameter at 10% : 113.13 µm  
 Diameter at 50% : 226.10 µm  
 Diameter at 90% : 394.34 µm  
 Mean diameter : 239.16 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	0.00	0.00	0.00	0.00	0.00	0.02	0.06	0.10	0.14
q3	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.19	0.24	0.29	0.35	0.40	0.46	0.56	0.66	0.75	0.83
q3	0.04	0.04	0.05	0.06	0.06	0.07	0.07	0.08	0.08	0.08
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	0.91	0.98	1.10	1.35	1.55	1.75	1.84	1.93	2.02	2.11
q3	0.08	0.08	0.08	0.08	0.08	0.10	0.10	0.11	0.12	0.13
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	2.20	2.29	2.46	2.62	2.77	2.92	3.06	3.19	3.30	3.41
q3	0.13	0.14	0.15	0.15	0.16	0.17	0.17	0.17	0.15	0.16
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	3.51	3.61	3.69	3.83	4.00	4.12	4.28	4.47	4.59	4.71
q3	0.16	0.17	0.14	0.13	0.12	0.10	0.11	0.15	0.20	0.21
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	5.07	5.48	5.74	6.00	6.57	7.11	7.33	7.57	7.81	8.06
q3	0.28	0.35	0.40	0.43	0.44	0.41	0.36	0.34	0.36	0.39
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	8.34	8.68	9.18	9.82	11.79	12.78	15.19	16.64	18.21	21.70
q3	0.47	0.60	0.77	1.05	1.62	2.27	2.93	3.72	4.17	4.87
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	25.56	29.69	34.07	38.53	43.88	56.46	59.51	75.03	90.78	98.74
q3	5.74	6.51	7.30	7.83	8.27	8.56	8.45	7.67	4.93	3.21
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	0.62	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-06\_38-40cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 08/08/2023 Time : 12:24:56AM  
 Index meas. : 2985  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 123.10  $\mu\text{m}$   
 Diameter at 50% : 229.37  $\mu\text{m}$   
 Diameter at 90% : 396.83  $\mu\text{m}$   
 Mean diameter : 243.67  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

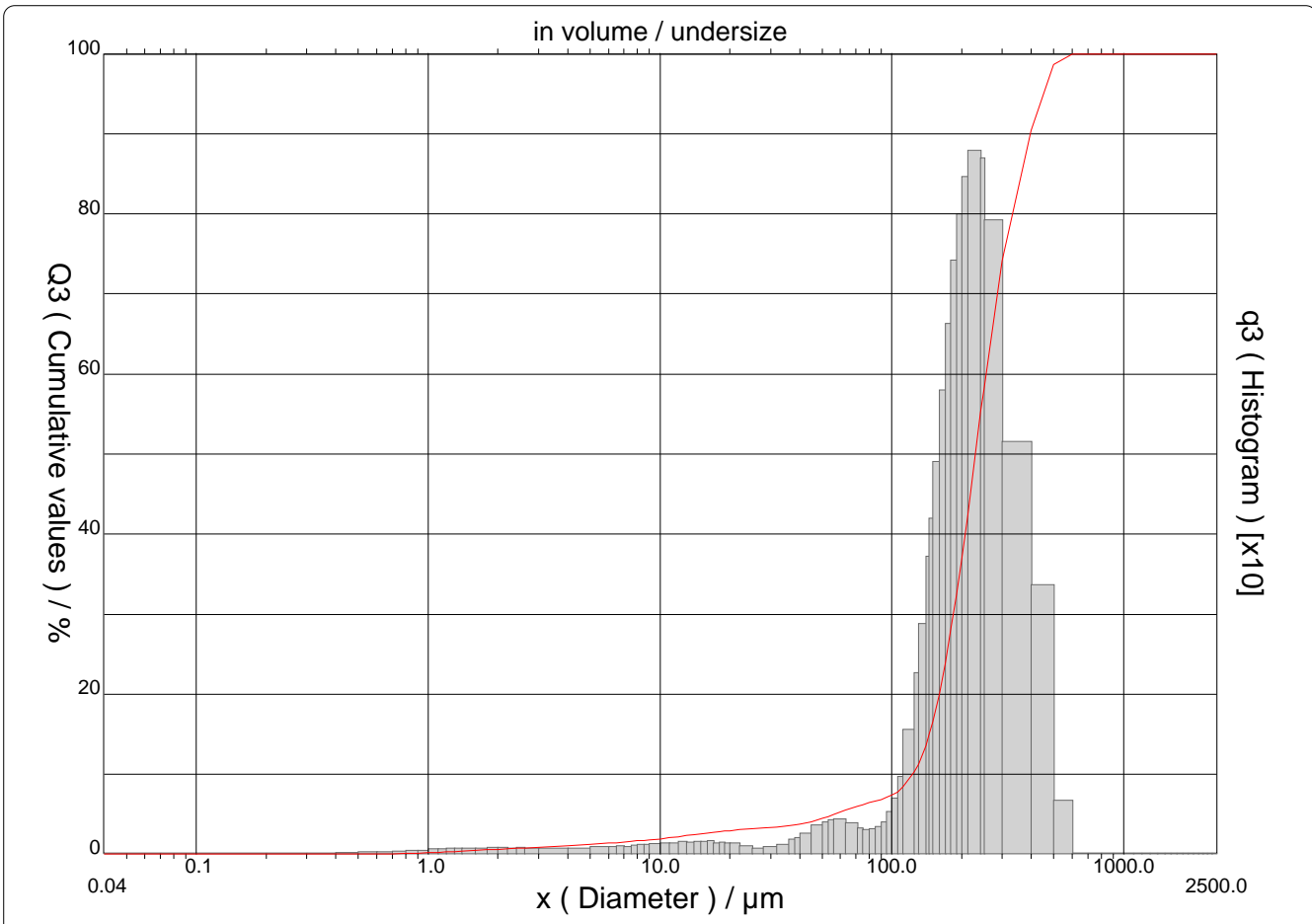
### Customer defined classes

### 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	1.09	5.47	6.77	10.26	26.77	58.29	83.85	98.69	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  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\_38-40cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 08/08/2023 Time : 12:24:56AM  
 Index meas. : 2985  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 123.10 µm  
 Diameter at 50% : 229.37 µm  
 Diameter at 90% : 396.83 µm  
 Mean diameter : 243.67 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	0.00	0.00	0.00	0.00	0.00	0.02	0.04	0.07	0.11
q3	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.15	0.19	0.24	0.29	0.34	0.39	0.48	0.56	0.64	0.71
q3	0.03	0.03	0.05	0.05	0.06	0.06	0.06	0.06	0.07	0.07
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	0.77	0.83	0.92	1.11	1.26	1.41	1.48	1.55	1.61	1.68
q3	0.06	0.07	0.06	0.06	0.06	0.07	0.08	0.09	0.08	0.10
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	1.75	1.82	1.95	2.08	2.20	2.33	2.44	2.55	2.65	2.75
q3	0.10	0.11	0.11	0.12	0.13	0.15	0.13	0.14	0.14	0.15
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	2.83	2.91	2.98	3.11	3.23	3.31	3.43	3.57	3.67	3.78
q3	0.13	0.13	0.12	0.12	0.09	0.06	0.08	0.11	0.17	0.19
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	4.10	4.50	4.75	5.00	5.55	6.05	6.24	6.45	6.65	6.86
q3	0.25	0.34	0.39	0.41	0.42	0.38	0.31	0.30	0.30	0.33
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	7.09	7.38	7.82	8.40	10.26	11.23	13.57	15.00	16.56	20.03
q3	0.39	0.51	0.69	0.96	1.54	2.25	2.87	3.70	4.18	4.88
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	23.89	28.05	32.46	36.97	42.39	55.18	58.29	74.16	90.45	98.69
q3	5.78	6.61	7.41	7.99	8.45	8.78	8.69	7.91	5.14	3.35
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	0.65	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-06\_40-42cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 08/08/2023 Time : 01:36:03PM  
 Index meas. : 2986  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 13 %  
 Diameter at 10% : 116.48  $\mu\text{m}$   
 Diameter at 50% : 228.21  $\mu\text{m}$   
 Diameter at 90% : 394.55  $\mu\text{m}$   
 Mean diameter : 240.93  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

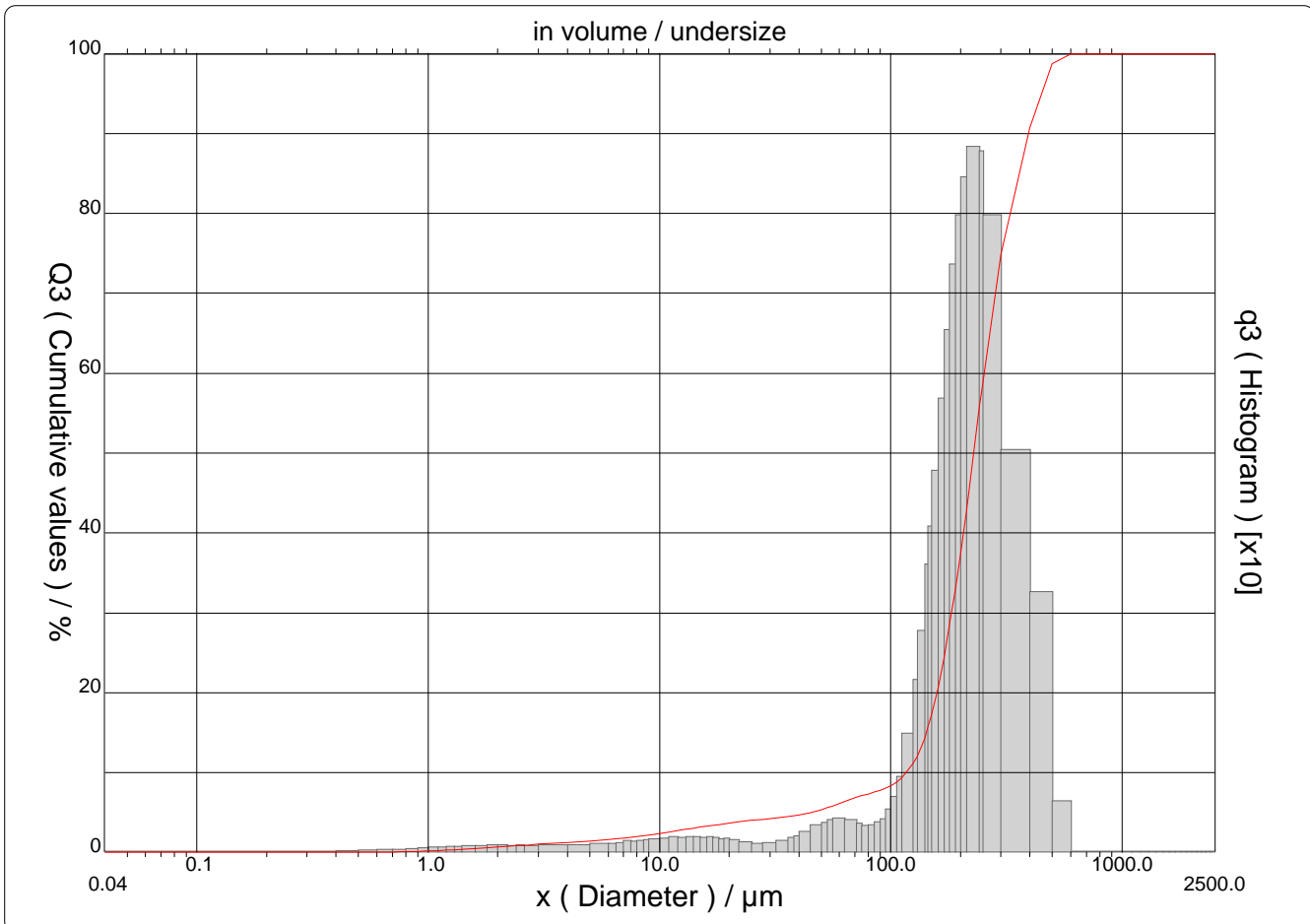
### Customer defined classes

### 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	1.25	6.33	7.72	11.15	27.27	58.84	84.37	98.74	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  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\_40-42cm  
Sample Name :  
Sample type : Mixed  
Comments :  
Liquid : Water (eau)  
Dispersing agent :  
Operator : Olivia  
Company :  
Location :  
Date : 08/08/2023 Time : 01:36:03PM  
Index meas. : 2986  
Database name : Granulog

Ultrasounds : 15 s (+during)  
Obscuration : 13 %  
Diameter at 10% : 116.48 µm  
Diameter at 50% : 228.21 µm  
Diameter at 90% : 394.55 µm  
Mean diameter : 240.93 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	0.00	0.00	0.00	0.00	0.00	0.02	0.05	0.09	0.13
q3	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.17	0.22	0.27	0.32	0.37	0.42	0.52	0.61	0.70	0.78
q3	0.03	0.04	0.05	0.05	0.06	0.06	0.07	0.07	0.08	0.08
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	0.85	0.92	1.03	1.27	1.47	1.67	1.76	1.85	1.95	2.04
q3	0.07	0.08	0.07	0.08	0.08	0.10	0.10	0.11	0.13	0.13
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	2.13	2.22	2.40	2.57	2.74	2.89	3.04	3.18	3.30	3.42
q3	0.13	0.14	0.16	0.16	0.18	0.17	0.18	0.18	0.17	0.18
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	3.53	3.62	3.71	3.86	4.03	4.15	4.31	4.48	4.58	4.69
q3	0.17	0.15	0.16	0.14	0.12	0.10	0.11	0.13	0.17	0.19
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	5.01	5.39	5.62	5.86	6.40	6.92	7.13	7.36	7.58	7.81
q3	0.25	0.33	0.36	0.40	0.42	0.39	0.35	0.32	0.33	0.37
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	8.05	8.35	8.79	9.36	11.15	12.08	14.34	15.73	17.25	20.64
q3	0.40	0.53	0.69	0.94	1.48	2.15	2.77	3.60	4.07	4.77
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	24.43	28.54	32.92	37.42	42.84	55.70	58.84	74.83	90.76	98.74
q3	5.67	6.53	7.35	7.96	8.44	8.82	8.76	7.96	5.03	3.25
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	0.63	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-06\_42-44cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 08/08/2023 Time : 01:51:07PM  
 Index meas. : 2987  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 126.94  $\mu\text{m}$   
 Diameter at 50% : 229.84  $\mu\text{m}$   
 Diameter at 90% : 394.95  $\mu\text{m}$   
 Mean diameter : 244.25  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

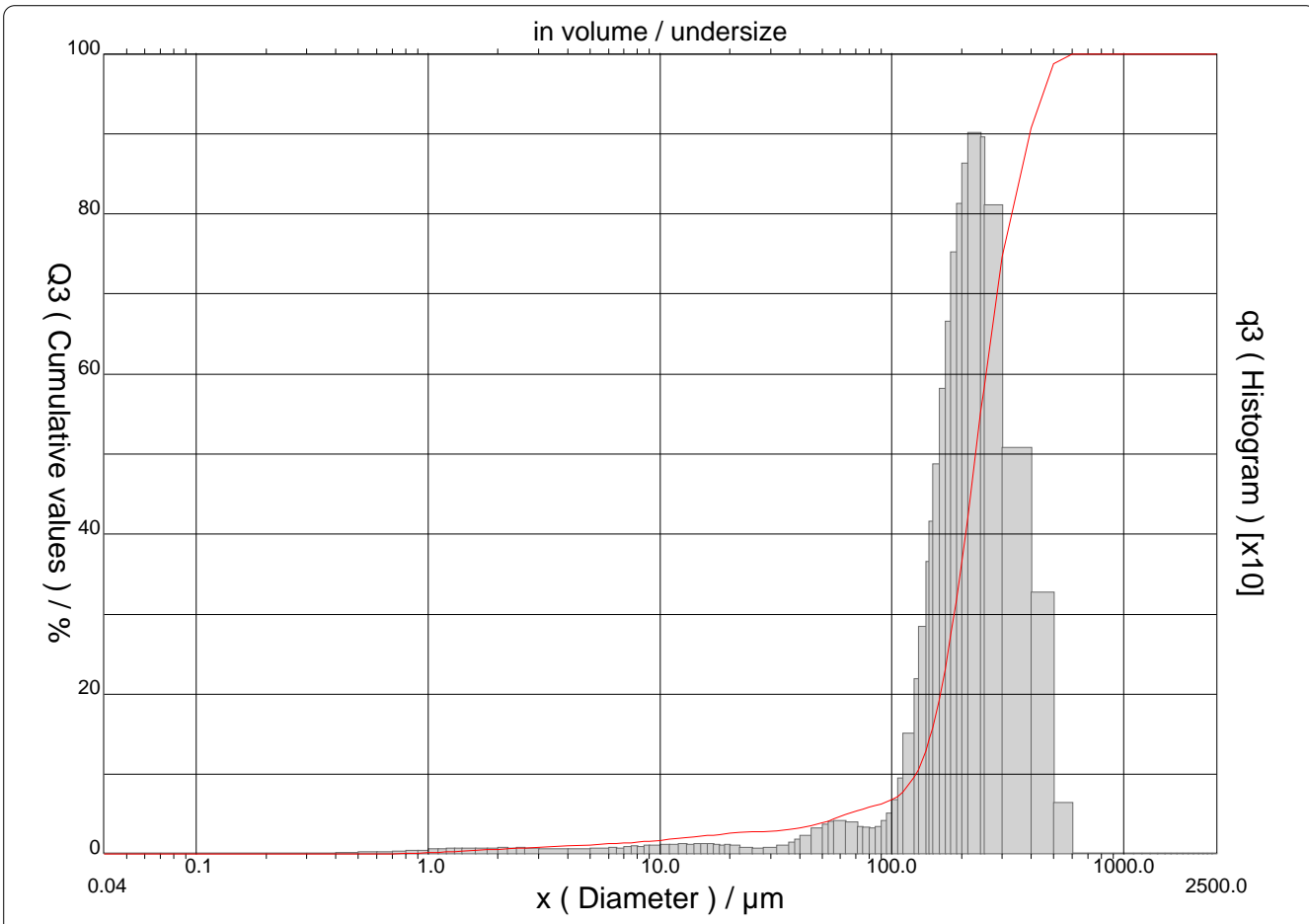
### Customer defined classes

### 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	1.06	4.87	6.22	9.63	26.08	58.33	84.28	98.73	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  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\_42-44cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 08/08/2023 Time : 01:51:07PM  
 Index meas. : 2987  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 126.94 µm  
 Diameter at 50% : 229.84 µm  
 Diameter at 90% : 394.95 µm  
 Mean diameter : 244.25 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	0.00	0.00	0.00	0.00	0.00	0.02	0.04	0.07	0.11
q3	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.15	0.19	0.24	0.29	0.34	0.39	0.48	0.56	0.63	0.70
q3	0.03	0.03	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.07
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	0.76	0.82	0.91	1.07	1.20	1.32	1.38	1.43	1.49	1.55
q3	0.06	0.07	0.06	0.05	0.05	0.06	0.07	0.06	0.08	0.08
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	1.60	1.66	1.77	1.88	1.98	2.08	2.17	2.26	2.34	2.42
q3	0.07	0.10	0.09	0.10	0.10	0.11	0.11	0.12	0.11	0.12
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	2.49	2.55	2.61	2.71	2.81	2.88	2.98	3.11	3.19	3.29
q3	0.11	0.10	0.11	0.10	0.07	0.06	0.07	0.10	0.13	0.18
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	3.58	3.94	4.17	4.41	4.94	5.45	5.65	5.88	6.09	6.30
q3	0.22	0.31	0.36	0.40	0.41	0.39	0.33	0.32	0.31	0.33
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	6.54	6.82	7.25	7.82	9.63	10.57	12.88	14.29	15.84	19.30
q3	0.40	0.49	0.67	0.94	1.49	2.17	2.82	3.64	4.14	4.86
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	23.18	27.37	31.85	36.44	41.98	55.12	58.33	74.62	90.71	98.73
q3	5.80	6.64	7.51	8.11	8.62	9.00	8.95	8.10	5.07	3.26
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	0.63	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-06\_44-46cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 08/08/2023 Time : 01:59:25PM  
 Index meas. : 2988  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 16 %  
 Diameter at 10% : 99.34  $\mu\text{m}$   
 Diameter at 50% : 226.22  $\mu\text{m}$   
 Diameter at 90% : 393.46  $\mu\text{m}$   
 Mean diameter : 237.33  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

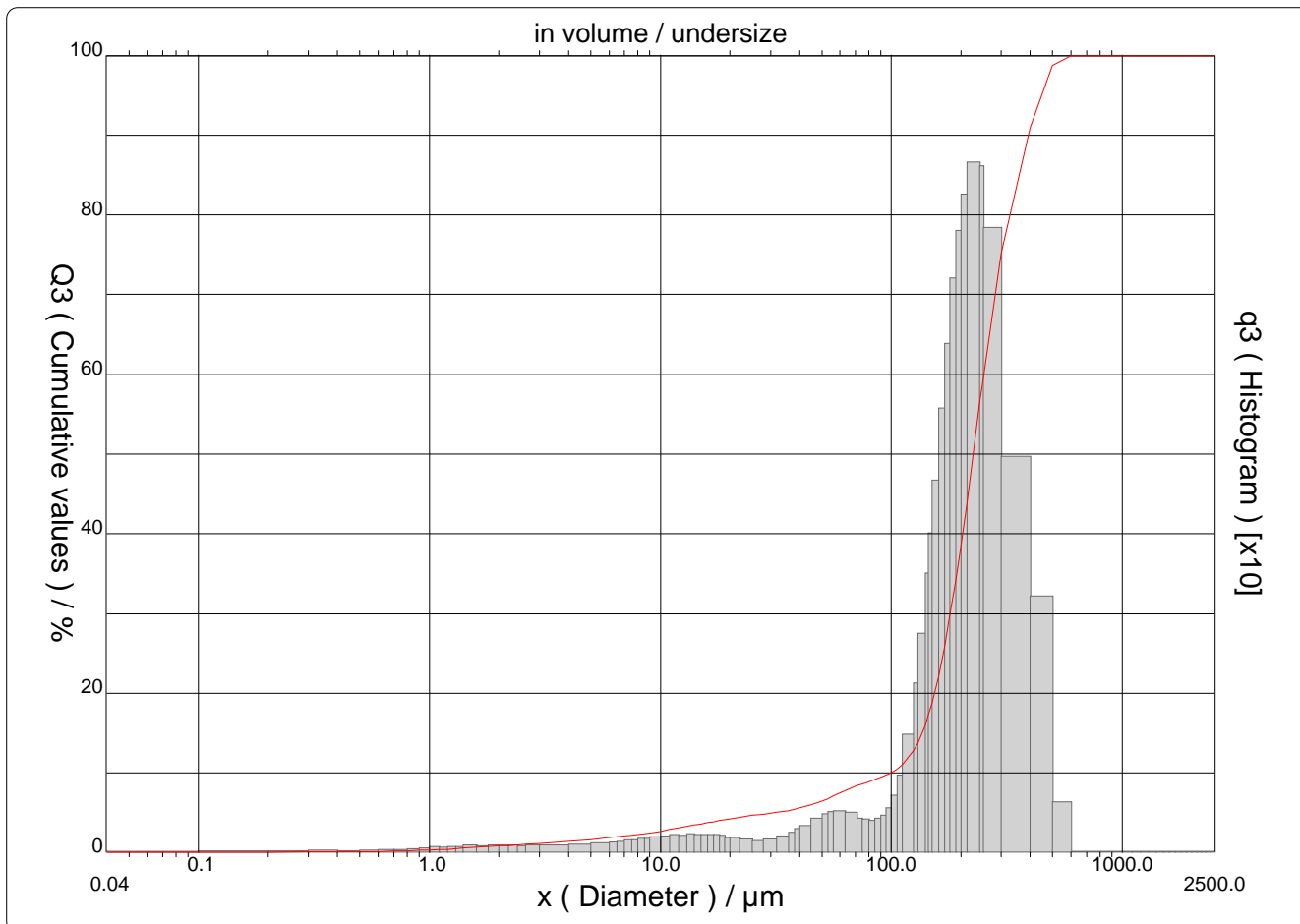
### Customer defined classes

### 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	1.42	7.67	9.35	12.84	28.61	59.50	84.60	98.76	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  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\_44-46cm  
Sample Name :  
Sample type : Mixed  
Comments :  
Liquid : Water (eau)  
Dispersing agent :  
Operator : Olivia  
Company :  
Location :  
Date : 08/08/2023 Time : 01:59:25PM  
Index meas. : 2988  
Database name : Granulog

Ultrasounds : 15 s (+during)  
Obscuration : 16 %  
Diameter at 10% : 99.34 µm  
Diameter at 50% : 226.22 µm  
Diameter at 90% : 393.46 µm  
Mean diameter : 237.33 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	0.00	0.00	0.07	0.10	0.13	0.15	0.18	0.22	0.26
q3	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.02	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.30	0.35	0.41	0.46	0.51	0.56	0.67	0.76	0.85	0.93
q3	0.03	0.04	0.06	0.05	0.06	0.06	0.07	0.07	0.08	0.08
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.01	1.07	1.20	1.44	1.66	1.87	1.97	2.07	2.18	2.28
q3	0.08	0.07	0.08	0.08	0.09	0.10	0.11	0.12	0.14	0.14
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	2.39	2.49	2.70	2.90	3.10	3.28	3.46	3.62	3.77	3.91
q3	0.16	0.16	0.18	0.19	0.21	0.20	0.22	0.21	0.21	0.21
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	4.04	4.16	4.26	4.44	4.66	4.83	5.05	5.30	5.44	5.60
q3	0.21	0.20	0.18	0.17	0.16	0.14	0.15	0.19	0.24	0.28
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	6.02	6.50	6.80	7.10	7.76	8.40	8.65	8.94	9.20	9.46
q3	0.32	0.41	0.47	0.49	0.51	0.49	0.41	0.41	0.39	0.41
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	9.73	10.04	10.49	11.07	12.84	13.75	15.98	17.33	18.82	22.13
q3	0.45	0.55	0.70	0.96	1.46	2.11	2.73	3.49	3.99	4.66
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	25.84	29.85	34.13	38.53	43.82	56.42	59.50	75.20	90.90	98.76
q3	5.56	6.37	7.19	7.79	8.24	8.64	8.60	7.82	4.96	3.20
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	0.62	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-06\_46-48cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 08/08/2023 Time : 02:07:25PM  
 Index meas. : 2989  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 16 %  
 Diameter at 10% : 108.64  $\mu\text{m}$   
 Diameter at 50% : 226.43  $\mu\text{m}$   
 Diameter at 90% : 392.62  $\mu\text{m}$   
 Mean diameter : 237.96  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

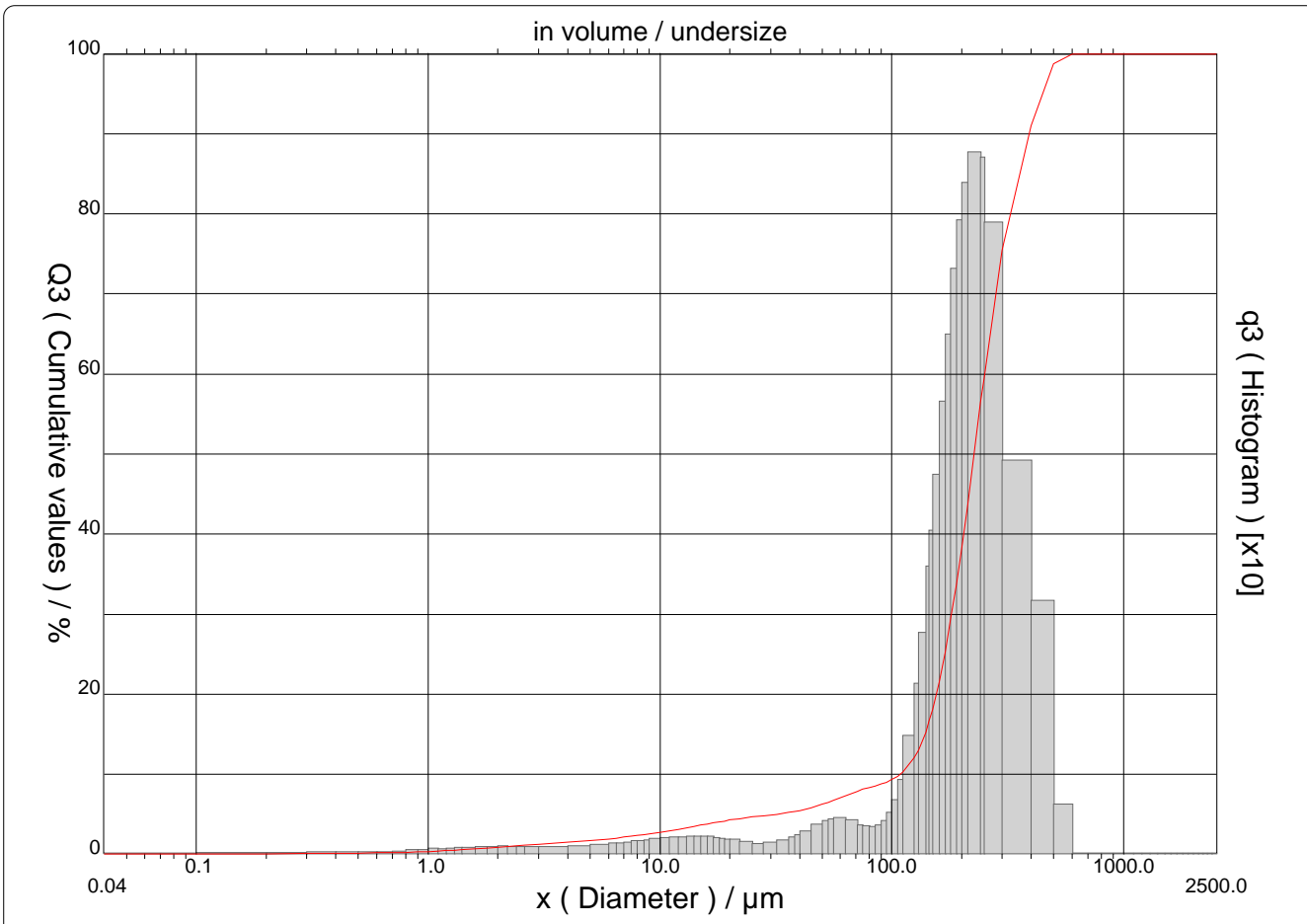
### Customer defined classes

### 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	1.48	7.28	8.70	12.09	28.14	59.55	84.79	98.78	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  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\_46-48cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 08/08/2023 Time : 02:07:25PM  
 Index meas. : 2989  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 16 %  
 Diameter at 10% : 108.64 µm  
 Diameter at 50% : 226.43 µm  
 Diameter at 90% : 392.62 µm  
 Mean diameter : 237.96 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	0.00	0.00	0.07	0.11	0.14	0.17	0.20	0.23	0.27
q3	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.02	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.32	0.37	0.43	0.48	0.53	0.59	0.69	0.79	0.88	0.97
q3	0.04	0.04	0.06	0.05	0.06	0.07	0.07	0.08	0.08	0.09
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.05	1.12	1.25	1.51	1.73	1.94	2.05	2.15	2.25	2.36
q3	0.08	0.08	0.08	0.08	0.09	0.10	0.12	0.12	0.13	0.15
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	2.46	2.56	2.77	2.97	3.16	3.34	3.51	3.67	3.82	3.96
q3	0.15	0.16	0.18	0.19	0.20	0.20	0.21	0.21	0.21	0.21
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	4.08	4.19	4.29	4.47	4.67	4.82	5.02	5.23	5.35	5.48
q3	0.19	0.18	0.18	0.17	0.14	0.12	0.14	0.16	0.20	0.23
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	5.84	6.26	6.52	6.78	7.35	7.90	8.11	8.35	8.57	8.79
q3	0.28	0.36	0.40	0.43	0.44	0.42	0.35	0.34	0.33	0.35
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	9.03	9.32	9.75	10.31	12.09	13.01	15.26	16.65	18.16	21.53
q3	0.40	0.51	0.67	0.92	1.47	2.12	2.75	3.59	4.03	4.73
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	25.31	29.40	33.76	38.24	43.63	56.43	59.55	75.41	91.01	98.78
q3	5.65	6.48	7.30	7.91	8.38	8.76	8.69	7.88	4.91	3.15
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	0.61	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-06\_48-50cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 08/08/2023 Time : 02:14:18PM  
 Index meas. : 2990  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 98.35  $\mu\text{m}$   
 Diameter at 50% : 223.96  $\mu\text{m}$   
 Diameter at 90% : 390.56  $\mu\text{m}$   
 Mean diameter : 235.00  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

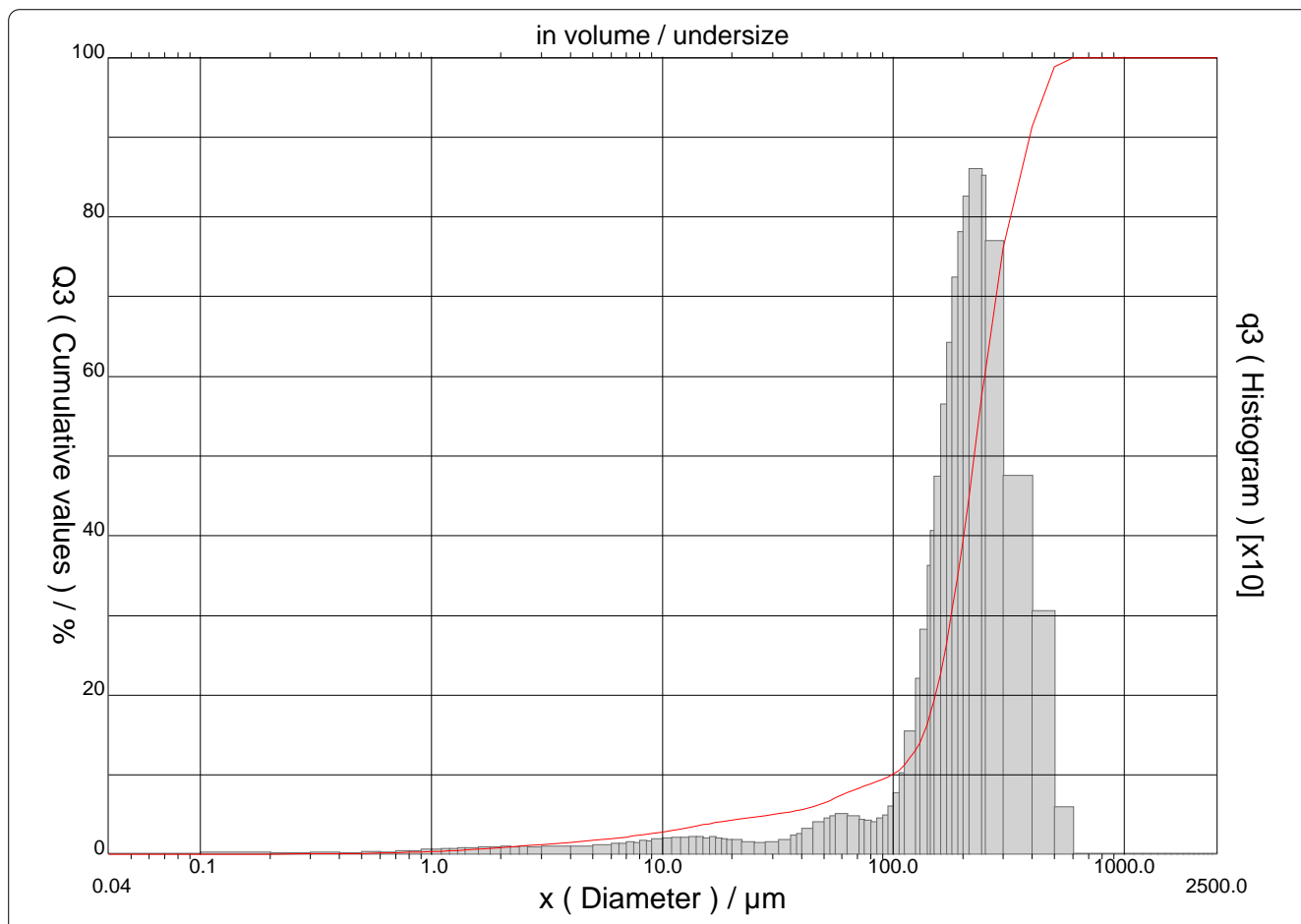
### Customer defined classes

### 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	1.54	7.66	9.37	13.10	29.35	60.49	85.22	98.81	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-06\_48-50cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 08/08/2023 Time : 02:14:18PM  
 Index meas. : 2990  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 98.35  $\mu\text{m}$   
 Diameter at 50% : 223.96  $\mu\text{m}$   
 Diameter at 90% : 390.56  $\mu\text{m}$   
 Mean diameter : 235.00  $\mu\text{m}$   
 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	0.08	0.12	0.15	0.17	0.21	0.24	0.29
q3	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.33	0.39	0.44	0.50	0.55	0.61	0.72	0.82	0.91	1.00
q3	0.03	0.05	0.05	0.06	0.06	0.07	0.07	0.08	0.08	0.08
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.08	1.16	1.29	1.57	1.80	2.02	2.13	2.23	2.34	2.44
q3	0.08	0.09	0.08	0.09	0.09	0.11	0.12	0.12	0.14	0.14
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	2.55	2.65	2.86	3.06	3.25	3.43	3.60	3.76	3.90	4.04
q3	0.16	0.16	0.18	0.19	0.20	0.20	0.21	0.21	0.19	0.21
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	4.16	4.27	4.37	4.55	4.75	4.92	5.13	5.36	5.50	5.64
q3	0.19	0.18	0.18	0.17	0.14	0.13	0.14	0.18	0.23	0.25
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	6.05	6.51	6.80	7.09	7.74	8.37	8.63	8.93	9.20	9.48
q3	0.31	0.39	0.45	0.47	0.50	0.47	0.43	0.42	0.40	0.44
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	9.77	10.11	10.60	11.22	13.10	14.06	16.38	17.79	19.32	22.72
q3	0.48	0.60	0.76	1.01	1.54	2.20	2.81	3.61	4.05	4.73
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	26.52	30.60	34.95	39.40	44.75	57.41	60.49	76.08	91.26	98.81
q3	5.63	6.41	7.23	7.79	8.25	8.59	8.51	7.68	4.74	3.04
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	0.59	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 /  $\mu\text{m}$     Q3 : cumulative value / %    q3 : population density

# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-06\_50-52cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 08/08/2023 Time : 02:21:19PM  
 Index meas. : 2991  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 16 %  
 Diameter at 10% : 122.08  $\mu\text{m}$   
 Diameter at 50% : 226.80  $\mu\text{m}$   
 Diameter at 90% : 388.38  $\mu\text{m}$   
 Mean diameter : 240.40  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

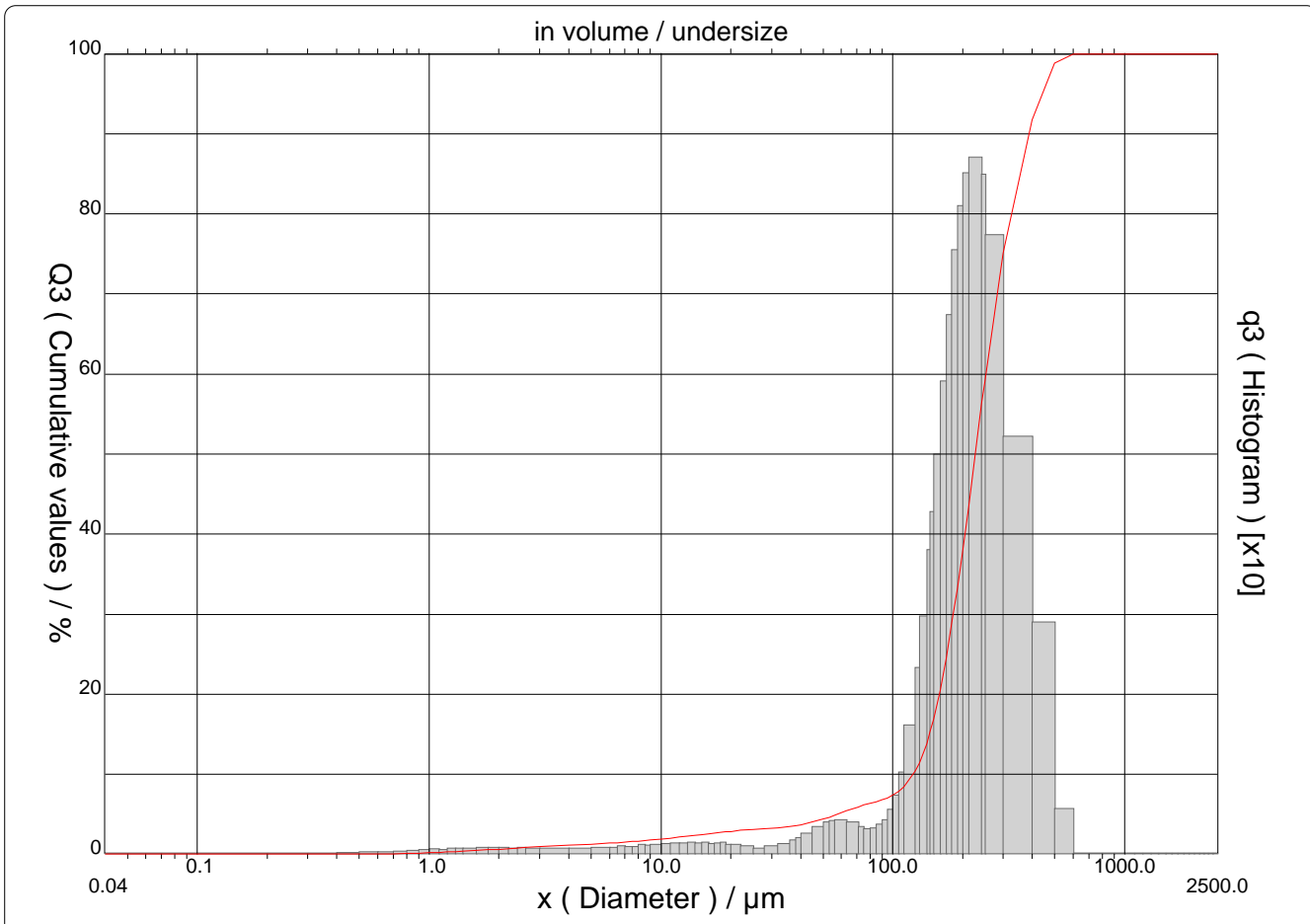
### Customer defined classes

### 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	1.11	5.37	6.72	10.42	27.48	59.35	85.07	98.88	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  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\_50-52cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 08/08/2023 Time : 02:21:19PM  
 Index meas. : 2991  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 16 %  
 Diameter at 10% : 122.08 µm  
 Diameter at 50% : 226.80 µm  
 Diameter at 90% : 388.38 µm  
 Mean diameter : 240.40 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	0.00	0.00	0.00	0.00	0.00	0.02	0.04	0.07	0.11
q3	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.15	0.20	0.25	0.29	0.34	0.39	0.48	0.57	0.65	0.72
q3	0.03	0.04	0.05	0.04	0.06	0.06	0.06	0.07	0.07	0.07
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	0.78	0.84	0.94	1.12	1.27	1.41	1.47	1.54	1.60	1.66
q3	0.06	0.07	0.06	0.06	0.06	0.07	0.07	0.08	0.08	0.08
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	1.73	1.79	1.92	2.04	2.16	2.27	2.38	2.48	2.58	2.66
q3	0.10	0.09	0.11	0.11	0.12	0.12	0.13	0.13	0.14	0.12
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	2.74	2.82	2.88	2.99	3.11	3.19	3.32	3.47	3.57	3.68
q3	0.13	0.13	0.11	0.10	0.08	0.06	0.09	0.11	0.17	0.19
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	4.01	4.40	4.65	4.90	5.45	5.96	6.16	6.38	6.59	6.82
q3	0.25	0.33	0.39	0.41	0.42	0.38	0.33	0.31	0.31	0.36
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	7.07	7.38	7.85	8.47	10.42	11.43	13.87	15.35	16.96	20.54
q3	0.42	0.54	0.72	1.01	1.59	2.31	2.96	3.79	4.26	4.98
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	24.52	28.80	33.34	37.96	43.47	56.28	59.35	75.03	91.71	98.88
q3	5.89	6.72	7.54	8.09	8.49	8.69	8.48	7.72	5.21	2.89
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	0.55	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-06\_52-54cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 08/08/2023 Time : 02:28:05PM  
 Index meas. : 2992  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 122.49  $\mu\text{m}$   
 Diameter at 50% : 220.95  $\mu\text{m}$   
 Diameter at 90% : 380.20  $\mu\text{m}$   
 Mean diameter : 235.56  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

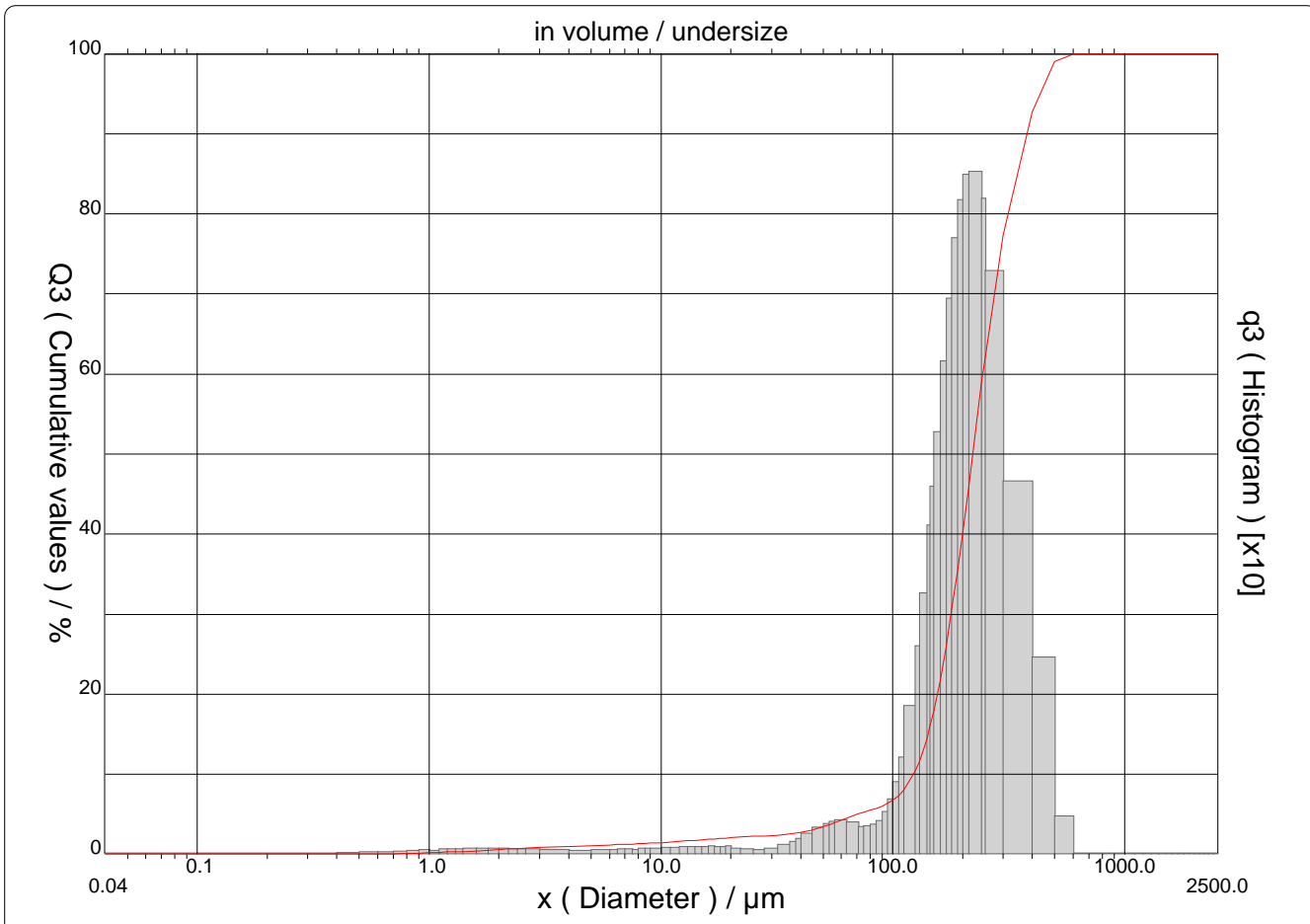
### Customer defined classes

### 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	0.99	4.43	5.90	10.43	29.23	62.01	86.71	99.02	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  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\_52-54cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 08/08/2023 Time : 02:28:05PM  
 Index meas. : 2992  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 122.49 µm  
 Diameter at 50% : 220.95 µm  
 Diameter at 90% : 380.20 µm  
 Mean diameter : 235.56 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	0.00	0.00	0.00	0.00	0.00	0.02	0.04	0.07	0.10
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	0.14	0.19	0.23	0.28	0.33	0.37	0.46	0.54	0.61	0.68
q3	0.03	0.04	0.04	0.05	0.05	0.05	0.06	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	0.73	0.78	0.87	1.00	1.09	1.18	1.22	1.26	1.30	1.33
q3	0.05	0.05	0.05	0.04	0.03	0.04	0.04	0.05	0.05	0.04
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	1.37	1.41	1.48	1.56	1.63	1.70	1.77	1.83	1.89	1.95
q3	0.06	0.06	0.06	0.07	0.07	0.08	0.08	0.08	0.08	0.09
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	2.00	2.05	2.10	2.17	2.24	2.30	2.39	2.53	2.62	2.73
q3	0.08	0.08	0.08	0.06	0.05	0.05	0.06	0.10	0.14	0.19
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	3.06	3.45	3.70	3.95	4.51	5.04	5.25	5.50	5.75	6.02
q3	0.24	0.32	0.37	0.39	0.41	0.38	0.33	0.34	0.36	0.41
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	6.34	6.74	7.34	8.10	10.43	11.60	14.38	16.04	17.83	21.75
q3	0.51	0.68	0.89	1.20	1.84	2.59	3.25	4.10	4.58	5.27
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	26.05	30.62	35.41	40.24	45.94	58.94	62.01	77.31	92.72	99.02
q3	6.15	6.93	7.68	8.16	8.48	8.51	8.18	7.27	4.64	2.45
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	0.47	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-06\_54-56cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 08/08/2023 Time : 02:34:45PM  
 Index meas. : 2993  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 20 %  
 Diameter at 10% : 116.03  $\mu\text{m}$   
 Diameter at 50% : 201.52  $\mu\text{m}$   
 Diameter at 90% : 339.54  $\mu\text{m}$   
 Mean diameter : 213.87  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

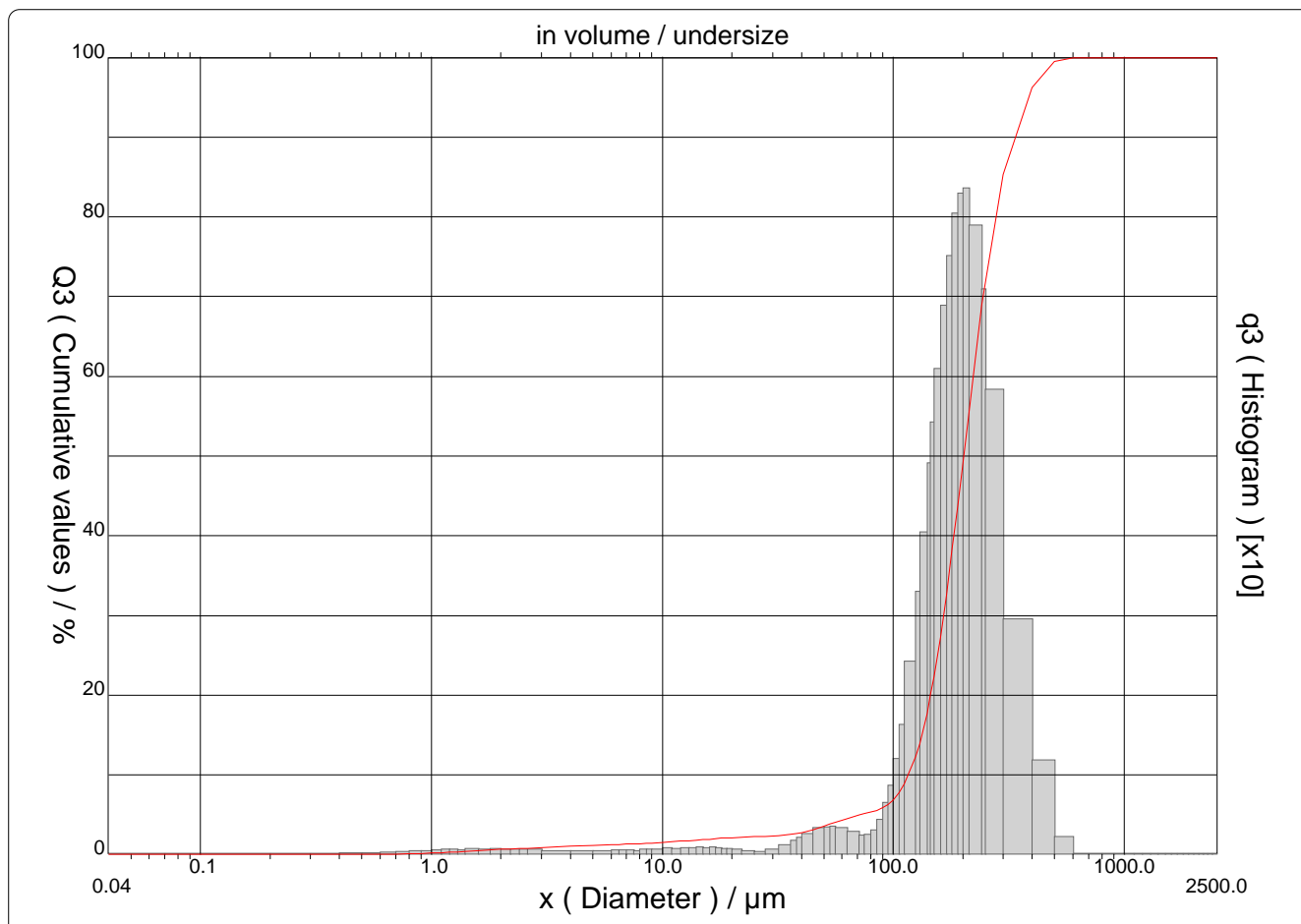
### Customer defined classes

### 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	1.04	4.50	5.74	12.30	36.53	71.73	92.39	99.51	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  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\_54-56cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 08/08/2023 Time : 02:34:45PM  
 Index meas. : 2993  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 20 %  
 Diameter at 10% : 116.03 µm  
 Diameter at 50% : 201.52 µm  
 Diameter at 90% : 339.54 µm  
 Mean diameter : 213.87 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	0.00	0.00	0.00	0.00	0.00	0.02	0.04	0.07	0.11
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	0.16	0.20	0.25	0.31	0.36	0.40	0.50	0.58	0.66	0.72
q3	0.03	0.03	0.04	0.05	0.05	0.04	0.06	0.05	0.06	0.05
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	0.78	0.83	0.92	1.05	1.15	1.23	1.27	1.31	1.35	1.38
q3	0.05	0.05	0.05	0.04	0.03	0.03	0.04	0.04	0.05	0.04
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	1.42	1.46	1.53	1.61	1.68	1.75	1.82	1.89	1.95	2.01
q3	0.05	0.05	0.05	0.07	0.06	0.07	0.07	0.08	0.07	0.08
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	2.06	2.10	2.14	2.20	2.25	2.29	2.38	2.54	2.65	2.78
q3	0.07	0.06	0.06	0.05	0.03	0.03	0.05	0.11	0.16	0.20
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	3.15	3.58	3.83	4.07	4.56	4.98	5.14	5.34	5.57	5.88
q3	0.25	0.32	0.33	0.34	0.32	0.27	0.23	0.24	0.30	0.42
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	6.32	6.88	7.77	8.91	12.30	13.95	17.78	19.98	22.33	27.36
q3	0.64	0.85	1.19	1.62	2.41	3.28	4.04	4.90	5.41	6.09
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	32.70	38.19	43.75	49.19	55.42	68.78	71.73	85.33	96.18	99.51
q3	6.88	7.50	8.03	8.28	8.35	7.88	7.08	5.82	2.94	1.17
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	0.21	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-06\_56-58cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 08/08/2023 Time : 02:42:27PM  
 Index meas. : 2994  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 17 %  
 Diameter at 10% : 111.01  $\mu\text{m}$   
 Diameter at 50% : 194.40  $\mu\text{m}$   
 Diameter at 90% : 329.16  $\mu\text{m}$   
 Mean diameter : 207.10  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

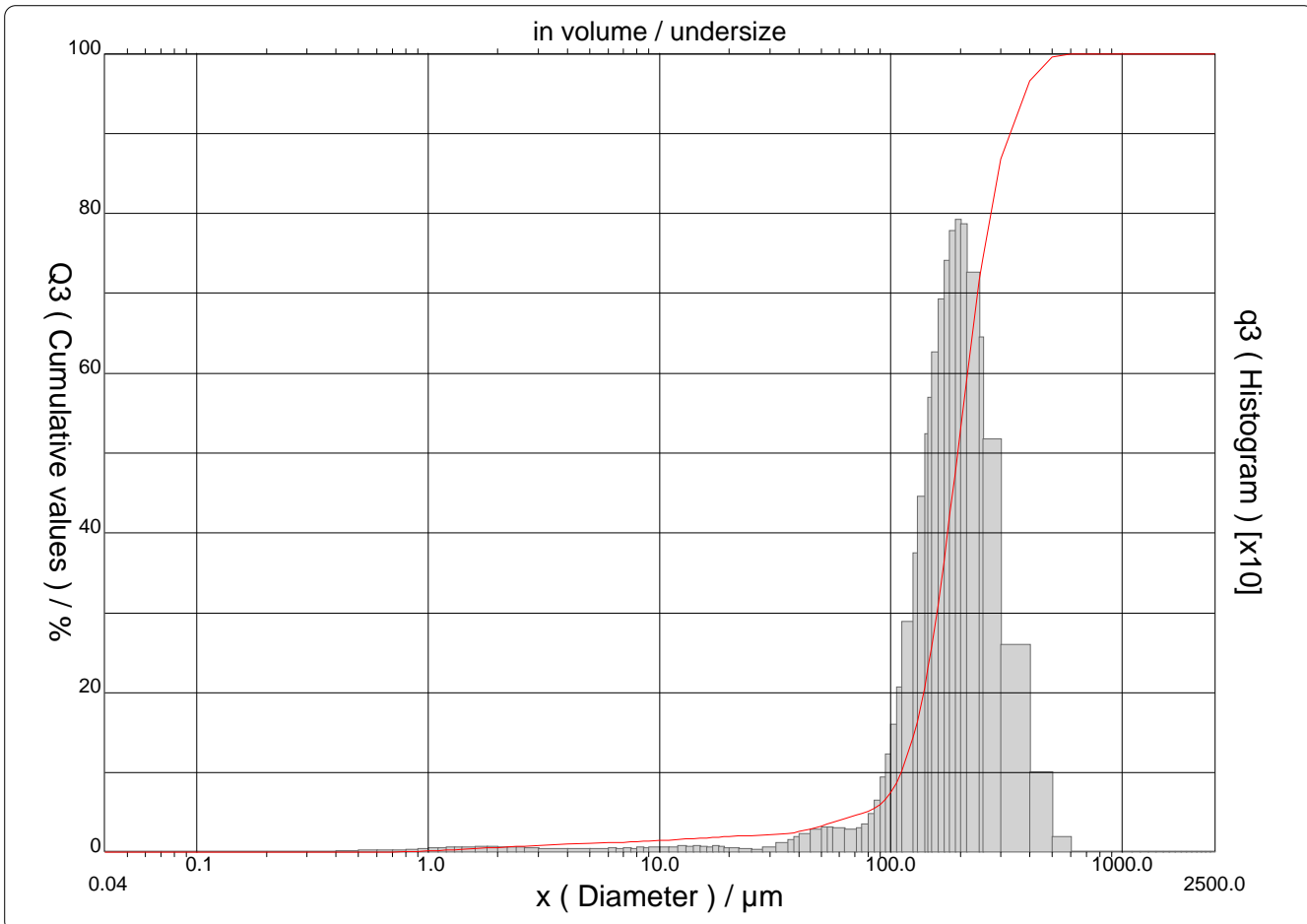
### Customer defined classes

### 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	1.04	4.19	5.84	14.41	40.39	74.42	93.23	99.57	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  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\_56-58cm  
Sample Name :  
Sample type : Mixed  
Comments :  
Liquid : Water (eau)  
Dispersing agent :  
Operator : Olivia  
Company :  
Location :  
Date : 08/08/2023 Time : 02:42:27PM  
Index meas. : 2994  
Database name : Granulog

Ultrasounds : 15 s (+during)  
Obscuration : 17 %  
Diameter at 10% : 111.01 µm  
Diameter at 50% : 194.40 µm  
Diameter at 90% : 329.16 µm  
Mean diameter : 207.10 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	0.00	0.00	0.00	0.00	0.00	0.01	0.04	0.07	0.10
q3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.14	0.19	0.24	0.29	0.34	0.39	0.48	0.57	0.65	0.72
q3	0.03	0.04	0.04	0.04	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	0.78	0.83	0.91	1.05	1.14	1.22	1.26	1.29	1.33	1.36
q3	0.05	0.05	0.04	0.04	0.03	0.03	0.04	0.03	0.04	0.04
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	1.40	1.43	1.50	1.56	1.62	1.69	1.75	1.81	1.86	1.90
q3	0.05	0.04	0.05	0.05	0.05	0.07	0.06	0.07	0.06	0.05
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	1.95	1.99	2.02	2.07	2.12	2.16	2.25	2.41	2.51	2.63
q3	0.07	0.06	0.04	0.04	0.03	0.03	0.05	0.10	0.14	0.18
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	2.97	3.35	3.58	3.80	4.25	4.69	4.90	5.19	5.57	6.05
q3	0.22	0.27	0.30	0.30	0.29	0.28	0.29	0.34	0.48	0.64
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	6.71	7.53	8.75	10.24	14.41	16.34	20.68	23.10	25.64	30.96
q3	0.93	1.21	1.59	2.05	2.88	3.73	4.44	5.23	5.68	6.25
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	36.49	42.07	47.61	52.96	59.00	71.66	74.42	86.84	96.64	99.57
q3	6.91	7.40	7.77	7.91	7.86	7.25	6.43	5.16	2.58	1.00
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	0.18	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-06\_58-60cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 08/08/2023 Time : 02:49:56PM  
 Index meas. : 2995  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 96.93  $\mu\text{m}$   
 Diameter at 50% : 203.33  $\mu\text{m}$   
 Diameter at 90% : 372.28  $\mu\text{m}$   
 Mean diameter : 218.99  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

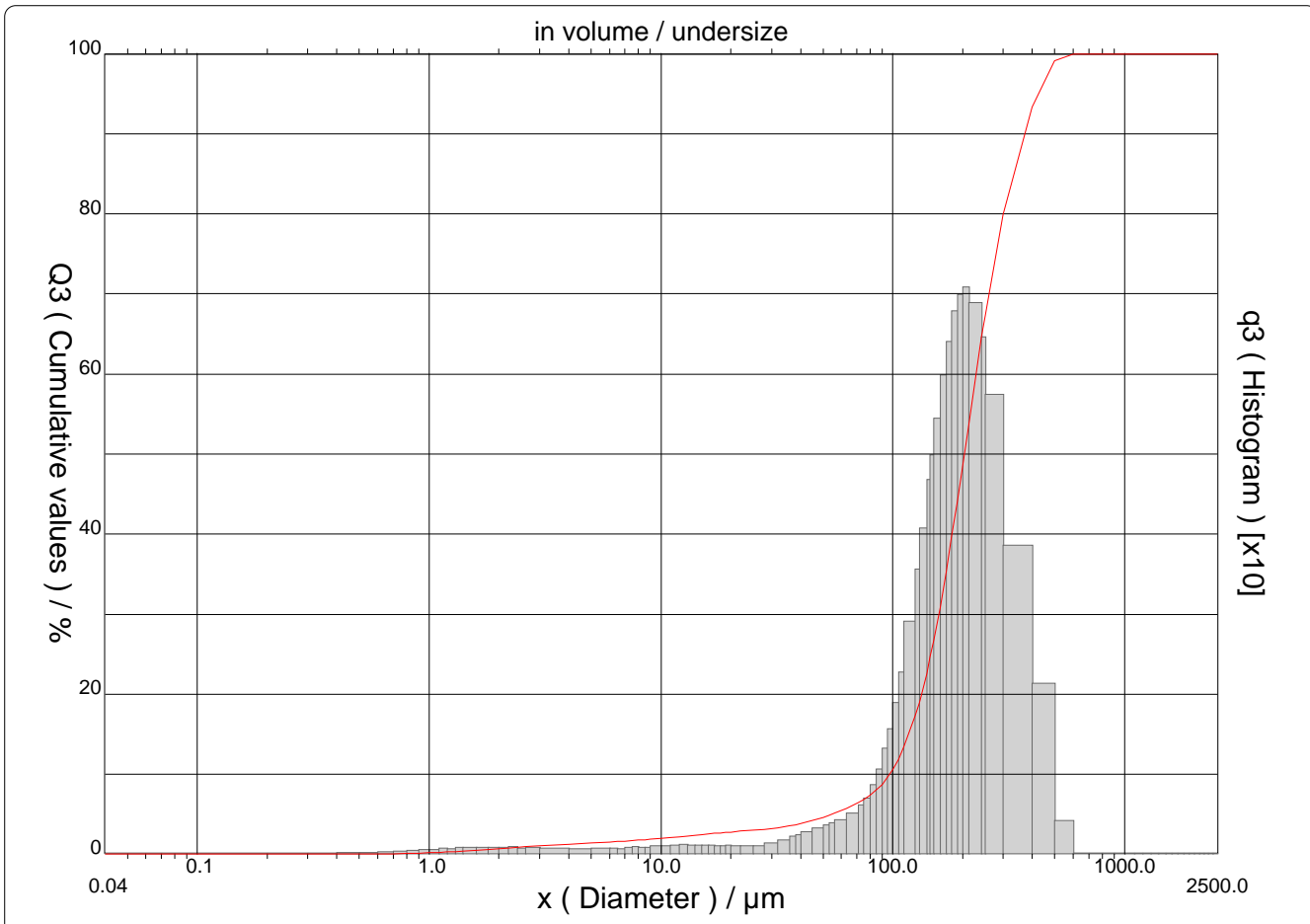
### Customer defined classes

### 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	1.26	5.65	8.46	17.29	38.44	67.20	87.99	99.10	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  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\_58-60cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 08/08/2023 Time : 02:49:56PM  
 Index meas. : 2995  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 96.93 µm  
 Diameter at 50% : 203.33 µm  
 Diameter at 90% : 372.28 µm  
 Mean diameter : 218.99 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	0.00	0.00	0.00	0.00	0.00	0.02	0.04	0.07	0.11
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	0.16	0.21	0.26	0.32	0.37	0.43	0.54	0.64	0.73	0.81
q3	0.03	0.04	0.04	0.06	0.05	0.07	0.07	0.07	0.07	0.07
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	0.89	0.95	1.07	1.28	1.42	1.55	1.61	1.66	1.72	1.78
q3	0.08	0.06	0.07	0.06	0.05	0.06	0.06	0.06	0.07	0.08
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	1.83	1.88	1.99	2.09	2.19	2.29	2.38	2.46	2.54	2.61
q3	0.07	0.07	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.09
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	2.67	2.73	2.79	2.89	3.03	3.15	3.35	3.58	3.72	3.86
q3	0.09	0.09	0.10	0.09	0.09	0.09	0.12	0.16	0.21	0.22
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	4.24	4.64	4.89	5.14	5.74	6.46	6.86	7.40	8.03	8.76
q3	0.27	0.31	0.35	0.37	0.42	0.50	0.60	0.69	0.85	1.05
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	9.62	10.59	11.92	13.43	17.29	18.98	22.64	24.63	26.68	30.94
q3	1.31	1.56	1.88	2.26	2.89	3.54	4.06	4.66	4.97	5.43
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	35.34	39.78	44.23	48.58	53.59	64.65	67.20	79.90	93.36	99.10
q3	5.97	6.39	6.77	6.98	7.07	6.87	6.45	5.73	3.85	2.12
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	0.41	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-06\_60-62cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 08/08/2023 Time : 03:00:11PM  
 Index meas. : 2996  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 107.30  $\mu\text{m}$   
 Diameter at 50% : 218.46  $\mu\text{m}$   
 Diameter at 90% : 390.32  $\mu\text{m}$   
 Mean diameter : 233.65  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

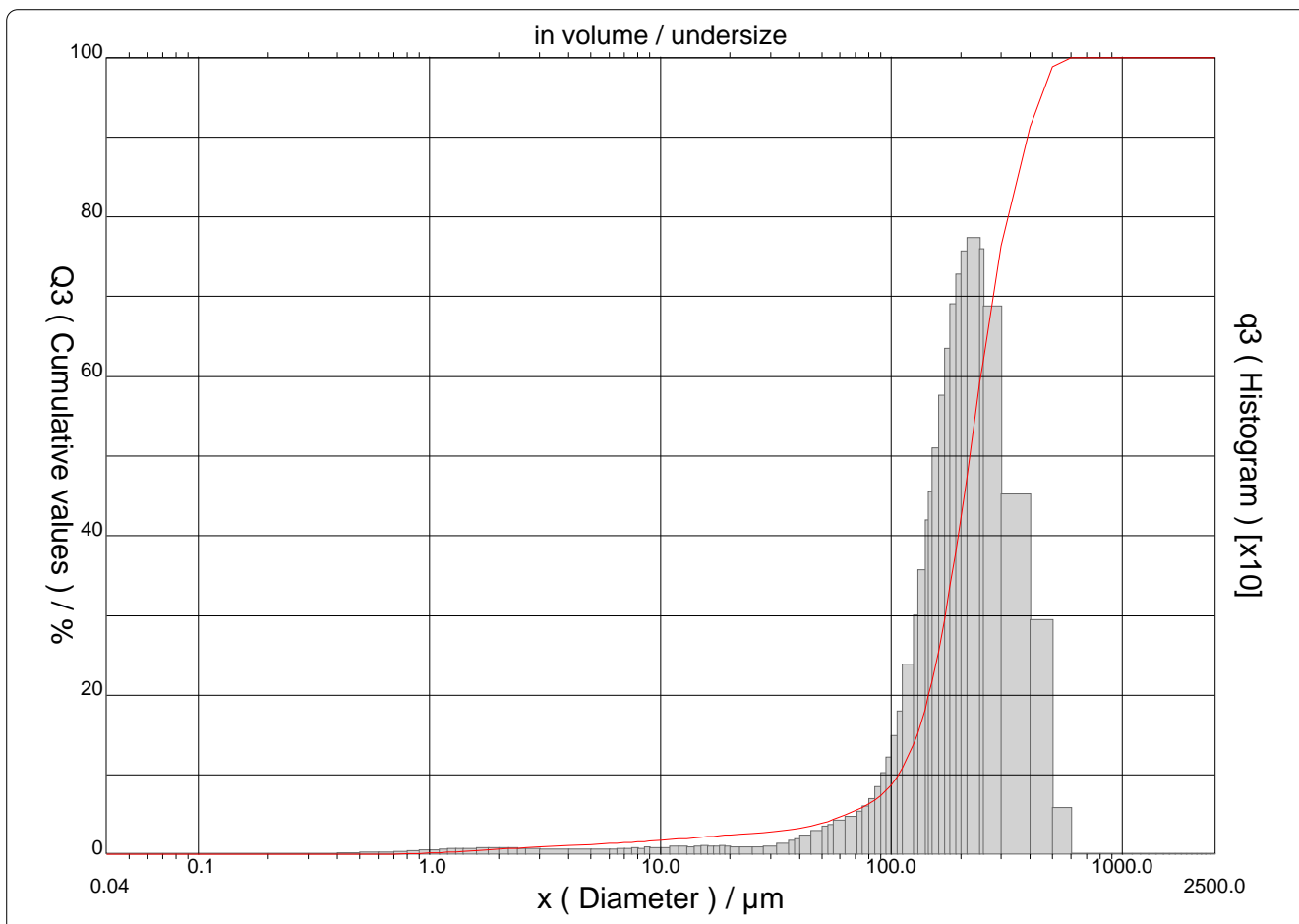
### Customer defined classes

### 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	1.15	4.90	7.19	13.88	32.41	61.94	85.20	98.80	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  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\_60-62cm  
Sample Name :  
Sample type : Mixed  
Comments :  
Liquid : Water (eau)  
Dispersing agent :  
Operator : Olivia  
Company :  
Location :  
Date : 08/08/2023 Time : 03:00:11PM  
Index meas. : 2996  
Database name : Granulog

Ultrasounds : 15 s (+during)  
Obscuration : 15 %  
Diameter at 10% : 107.30 µm  
Diameter at 50% : 218.46 µm  
Diameter at 90% : 390.32 µm  
Mean diameter : 233.65 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	0.00	0.00	0.00	0.00	0.00	0.02	0.04	0.07	0.11
q3	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.15	0.20	0.25	0.30	0.36	0.41	0.51	0.60	0.68	0.76
q3	0.03	0.04	0.05	0.05	0.07	0.06	0.07	0.07	0.07	0.07
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	0.83	0.89	0.99	1.17	1.30	1.41	1.46	1.51	1.56	1.61
q3	0.07	0.07	0.06	0.05	0.05	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	1.65	1.70	1.79	1.87	1.96	2.04	2.11	2.18	2.25	2.31
q3	0.06	0.08	0.07	0.07	0.09	0.09	0.08	0.09	0.09	0.09
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	2.37	2.43	2.48	2.57	2.68	2.78	2.92	3.09	3.19	3.30
q3	0.09	0.10	0.08	0.08	0.07	0.08	0.09	0.13	0.16	0.19
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	3.61	3.96	4.19	4.42	4.98	5.62	5.95	6.39	6.87	7.42
q3	0.23	0.29	0.34	0.36	0.41	0.46	0.52	0.59	0.69	0.84
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	8.05	8.76	9.75	10.88	13.88	15.23	18.26	19.95	21.72	25.50
q3	1.01	1.20	1.48	1.78	2.37	2.99	3.55	4.18	4.53	5.09
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	29.51	33.68	37.97	42.26	47.33	59.10	61.94	76.35	91.27	98.80
q3	5.75	6.34	6.89	7.26	7.56	7.72	7.58	6.86	4.50	2.93
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	0.57	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-06\_62-64cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 08/08/2023 Time : 03:07:14PM  
 Index meas. : 2997  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 107.05  $\mu\text{m}$   
 Diameter at 50% : 220.56  $\mu\text{m}$   
 Diameter at 90% : 391.70  $\mu\text{m}$   
 Mean diameter : 235.02  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

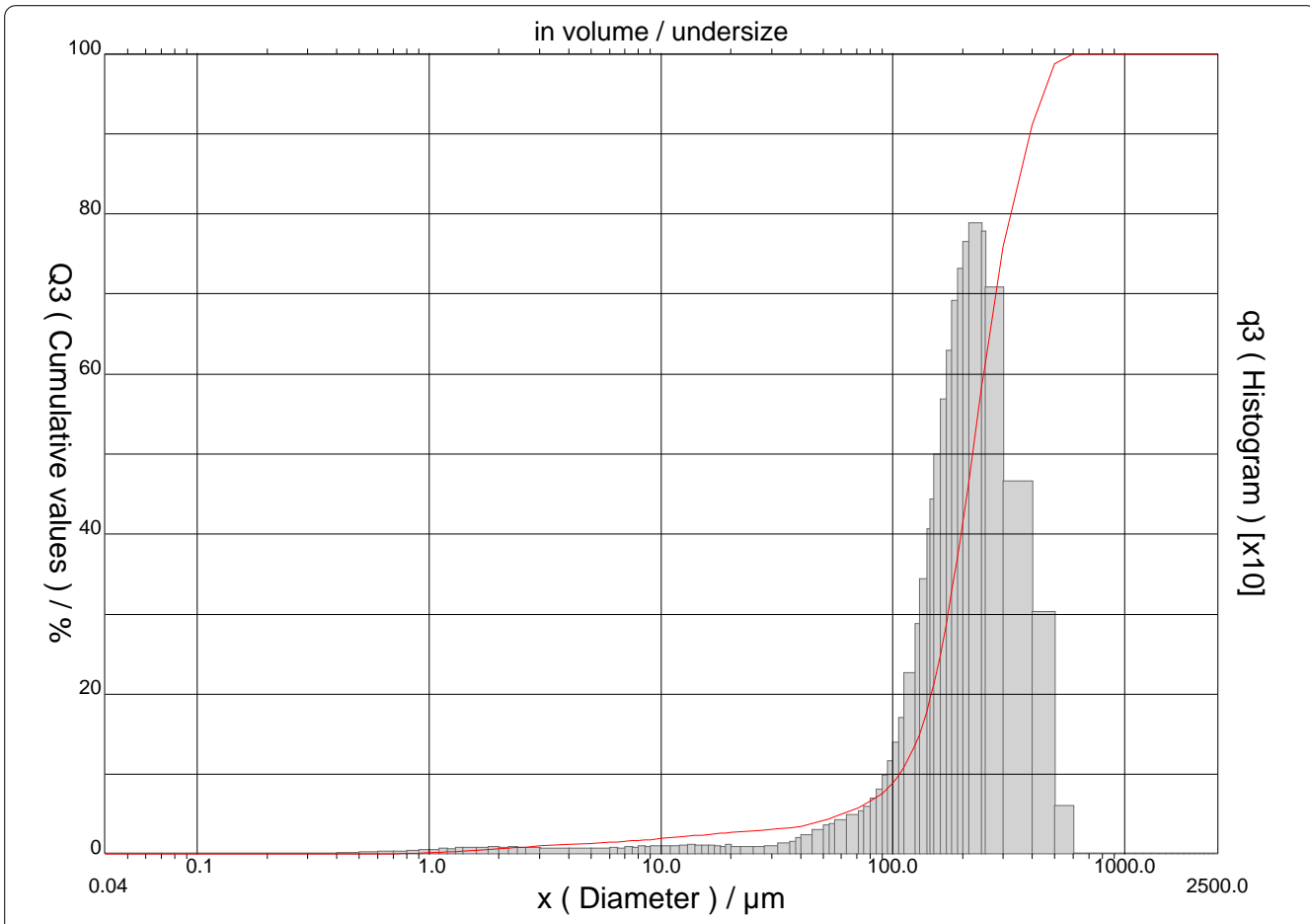
### Customer defined classes

### 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	1.23	5.14	7.41	13.69	31.61	61.20	84.93	98.78	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  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\_62-64cm  
Sample Name :  
Sample type : Mixed  
Comments :  
Liquid : Water (eau)  
Dispersing agent :  
Operator : Olivia  
Company :  
Location :  
Date : 08/08/2023 Time : 03:07:14PM  
Index meas. : 2997  
Database name : Granulog

Ultrasounds : 15 s (+during)  
Obscuration : 15 %  
Diameter at 10% : 107.05 µm  
Diameter at 50% : 220.56 µm  
Diameter at 90% : 391.70 µm  
Mean diameter : 235.02 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	0.00	0.00	0.00	0.00	0.00	0.02	0.04	0.08	0.12
q3	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.16	0.21	0.26	0.32	0.37	0.43	0.53	0.62	0.71	0.79
q3	0.03	0.04	0.05	0.06	0.05	0.07	0.07	0.07	0.07	0.07
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	0.87	0.93	1.04	1.24	1.39	1.52	1.58	1.63	1.69	1.74
q3	0.08	0.07	0.07	0.06	0.06	0.06	0.07	0.06	0.08	0.07
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	1.80	1.85	1.96	2.06	2.15	2.24	2.33	2.41	2.48	2.55
q3	0.09	0.08	0.09	0.09	0.09	0.10	0.11	0.10	0.10	0.10
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	2.61	2.66	2.72	2.81	2.93	3.03	3.17	3.34	3.43	3.54
q3	0.09	0.08	0.10	0.08	0.08	0.08	0.09	0.13	0.15	0.19
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	3.85	4.20	4.43	4.66	5.22	5.87	6.20	6.63	7.10	7.62
q3	0.23	0.29	0.35	0.37	0.42	0.48	0.53	0.58	0.68	0.80
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	8.22	8.89	9.81	10.87	13.69	14.97	17.86	19.48	21.19	24.85
q3	0.97	1.15	1.39	1.69	2.25	2.86	3.42	4.05	4.43	4.98
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	28.77	32.86	37.11	41.38	46.45	58.32	61.20	75.89	91.11	98.78
q3	5.67	6.28	6.90	7.31	7.64	7.87	7.77	7.07	4.64	3.02
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	0.59	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-06\_64-66cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 08/08/2023 Time : 03:14:51PM  
 Index meas. : 2998  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 36.76  $\mu\text{m}$   
 Diameter at 50% : 183.84  $\mu\text{m}$   
 Diameter at 90% : 357.89  $\mu\text{m}$   
 Mean diameter : 193.73  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

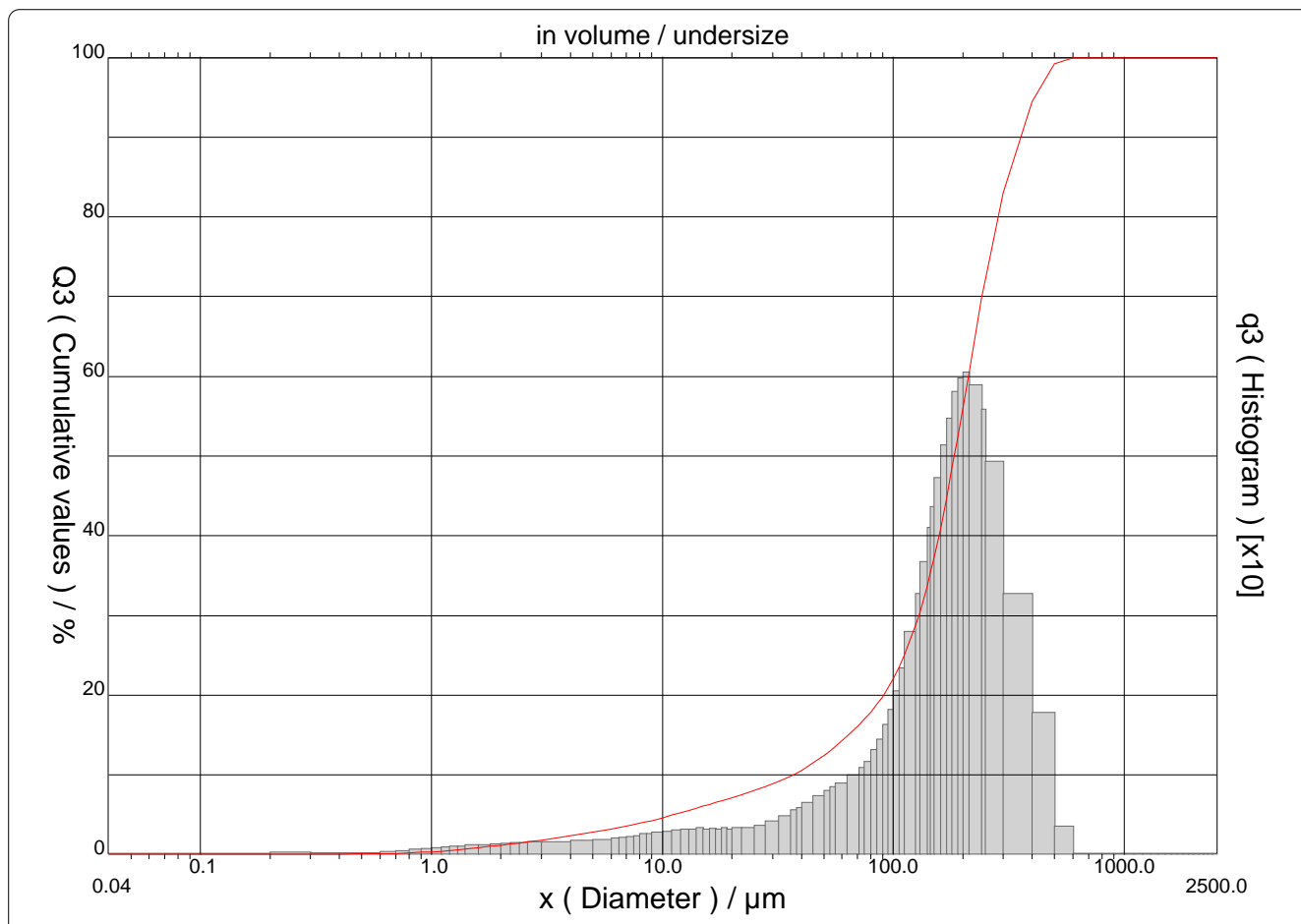
### Customer defined classes

### 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	2.32	14.64	19.43	28.78	47.37	72.06	89.89	99.24	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  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\_64-66cm  
Sample Name :  
Sample type : Mixed  
Comments :  
Liquid : Water (eau)  
Dispersing agent :  
Operator : Olivia  
Company :  
Location :  
Date : 08/08/2023 Time : 03:14:51PM  
Index meas. : 2998  
Database name : Granulog

Ultrasounds : 15 s (+during)  
Obscuration : 15 %  
Diameter at 10% : 36.76 µm  
Diameter at 50% : 183.84 µm  
Diameter at 90% : 357.89 µm  
Mean diameter : 193.73 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	0.00	0.00	0.00	0.06	0.09	0.11	0.13	0.17	0.22
q3	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.03
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.29	0.37	0.45	0.53	0.62	0.70	0.87	1.03	1.18	1.33
q3	0.05	0.06	0.07	0.08	0.09	0.09	0.10	0.11	0.12	0.13
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	1.47	1.60	1.85	2.37	2.82	3.21	3.40	3.58	3.76	3.93
q3	0.13	0.13	0.14	0.15	0.17	0.18	0.19	0.20	0.21	0.22
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	4.11	4.28	4.62	4.94	5.25	5.55	5.82	6.09	6.33	6.56
q3	0.24	0.24	0.26	0.28	0.29	0.31	0.30	0.32	0.30	0.31
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	6.77	6.98	7.17	7.54	8.04	8.52	9.18	9.86	10.22	10.58
q3	0.30	0.32	0.30	0.32	0.32	0.35	0.40	0.47	0.55	0.58
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	11.50	12.43	12.99	13.55	14.82	16.25	16.97	17.88	18.84	19.84
q3	0.64	0.72	0.79	0.83	0.88	0.98	1.08	1.16	1.30	1.43
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	20.91	22.04	23.49	25.05	28.78	30.34	33.65	35.40	37.20	40.91
q3	1.62	1.80	2.04	2.32	2.78	3.26	3.66	4.09	4.35	4.71
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	44.70	48.51	52.33	56.06	60.35	69.85	72.06	82.99	94.42	99.24
q3	5.12	5.46	5.79	5.96	6.03	5.88	5.57	4.91	3.26	1.77
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

# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : CB-23-06\_66-68cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 08/08/2023 Time : 03:21:58PM  
 Index meas. : 2999  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 7.91  $\mu\text{m}$   
 Diameter at 50% : 128.10  $\mu\text{m}$   
 Diameter at 90% : 297.02  $\mu\text{m}$   
 Mean diameter : 140.56  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

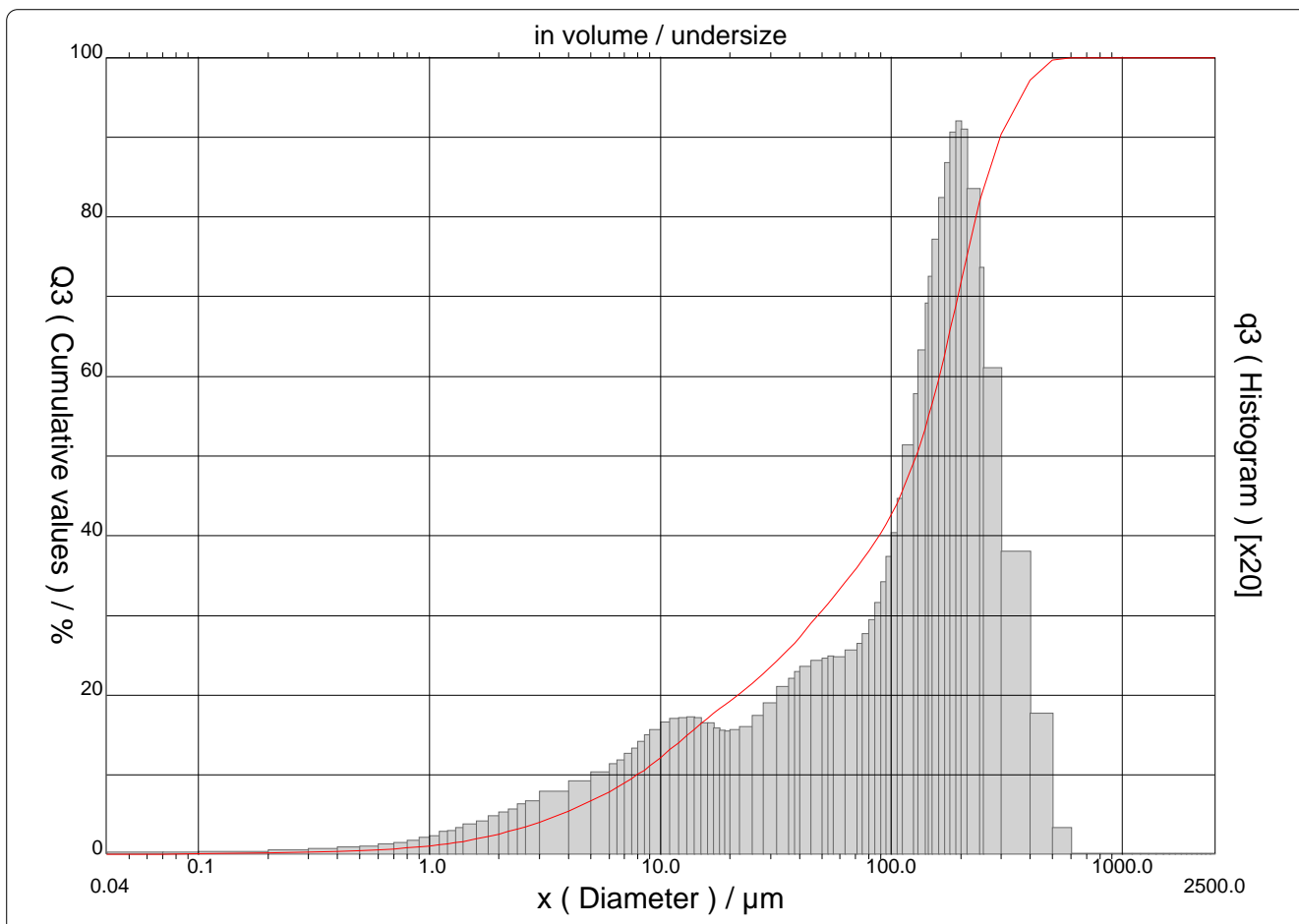
### Customer defined classes

### 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	5.36	33.89	39.83	49.12	64.86	83.45	94.57	99.63	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

x : diameter /  $\mu\text{m}$  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\_66-68cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Olivia  
 Company :  
 Location :  
 Date : 08/08/2023 Time : 03:21:58PM  
 Index meas. : 2999  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 7.91 µm  
 Diameter at 50% : 128.10 µm  
 Diameter at 90% : 297.02 µm  
 Mean diameter : 140.56 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	0.02	0.06	0.10	0.20	0.30	0.41	0.52	0.62	0.73	0.84
q3	0.00	0.01	0.01	0.01	0.02	0.03	0.04	0.04	0.06	0.07
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.96	1.09	1.22	1.37	1.51	1.66	1.97	2.27	2.58	2.89
q3	0.08	0.10	0.11	0.14	0.14	0.16	0.19	0.20	0.24	0.26
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	3.19	3.50	4.09	5.49	6.76	7.92	8.48	9.02	9.56	10.09
q3	0.28	0.31	0.33	0.39	0.46	0.51	0.56	0.58	0.63	0.66
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	10.62	11.15	12.17	13.15	14.07	14.92	15.71	16.44	17.10	17.72
q3	0.70	0.74	0.78	0.82	0.85	0.85	0.85	0.85	0.82	0.82
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	18.28	18.80	19.29	20.21	21.48	22.70	24.27	25.81	26.55	27.28
q3	0.79	0.77	0.77	0.77	0.80	0.86	0.94	1.05	1.10	1.14
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	29.00	30.59	31.48	32.33	34.14	36.04	36.94	38.05	39.16	40.28
q3	1.17	1.21	1.22	1.24	1.23	1.27	1.32	1.38	1.47	1.57
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	41.43	42.62	44.08	45.61	49.12	50.53	53.45	54.96	56.49	59.59
q3	1.70	1.86	2.01	2.23	2.56	2.88	3.16	3.45	3.62	3.85
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	62.70	65.79	68.84	71.78	75.08	81.96	83.45	90.38	97.18	99.63
q3	4.11	4.33	4.52	4.59	4.54	4.17	3.67	3.05	1.89	0.88
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	0.16	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 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  $\mu\text{m}$   
 Diameter at 50% : 168.88  $\mu\text{m}$   
 Diameter at 90% : 342.81  $\mu\text{m}$   
 Mean diameter : 176.52  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

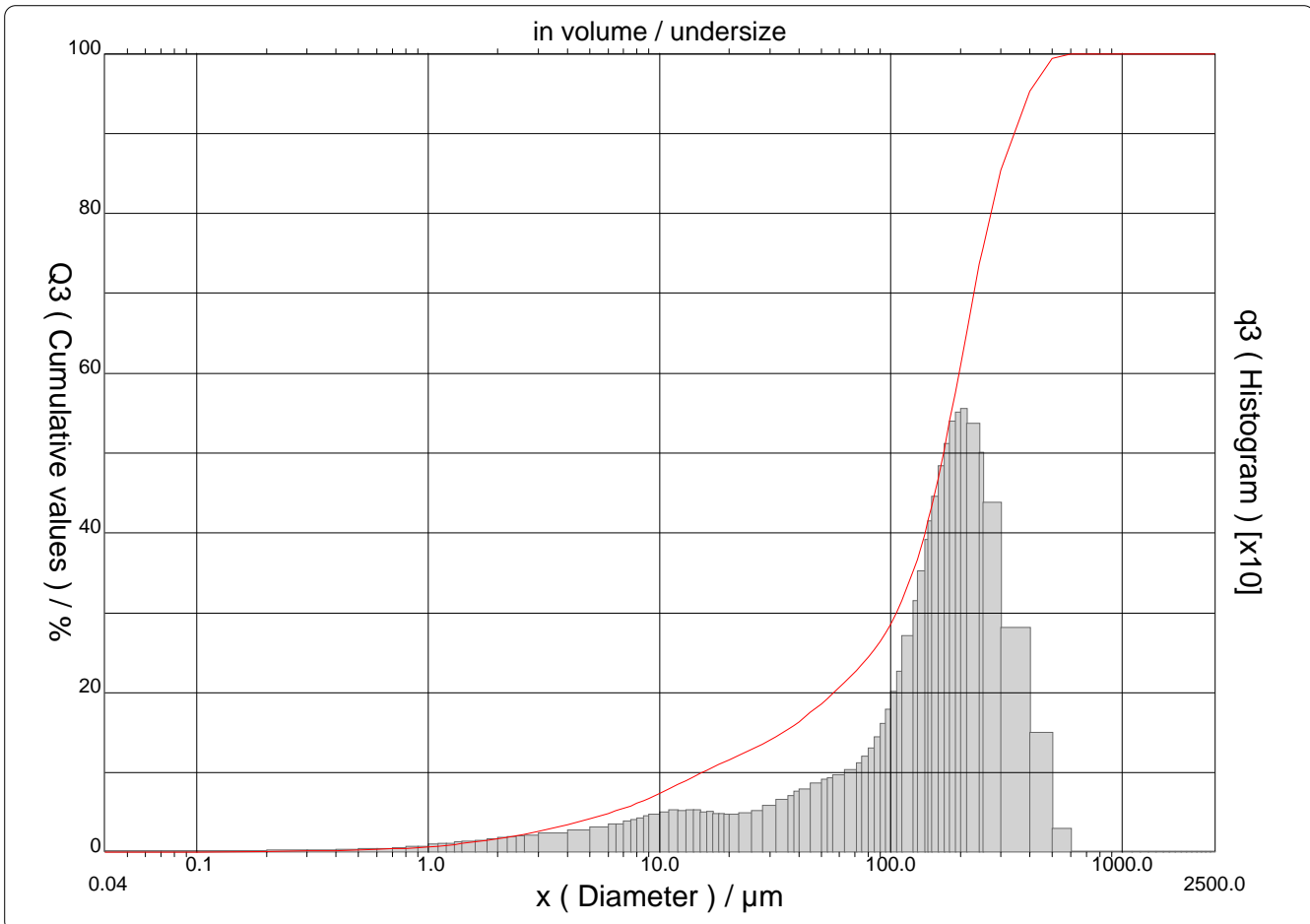
### Customer defined classes

### 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 /  $\mu\text{m}$  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\_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

### 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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 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  $\mu\text{m}$   
 Diameter at 50% : 161.67  $\mu\text{m}$   
 Diameter at 90% : 341.61  $\mu\text{m}$   
 Mean diameter : 169.11  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

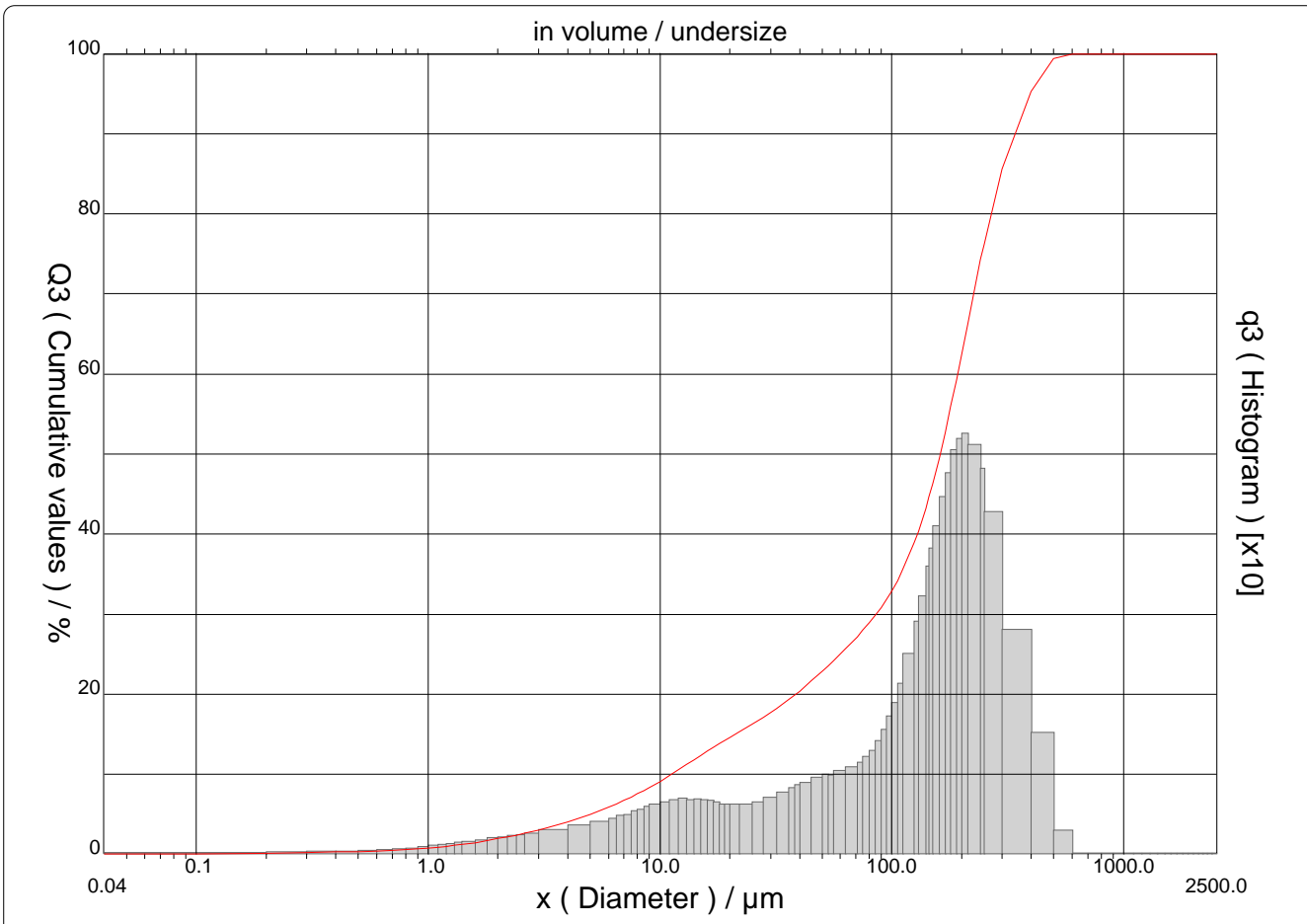
### Customer defined classes

### 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 /  $\mu\text{m}$  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

### 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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 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  $\mu\text{m}$   
 Diameter at 50% : 160.90  $\mu\text{m}$   
 Diameter at 90% : 335.15  $\mu\text{m}$   
 Mean diameter : 167.75  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

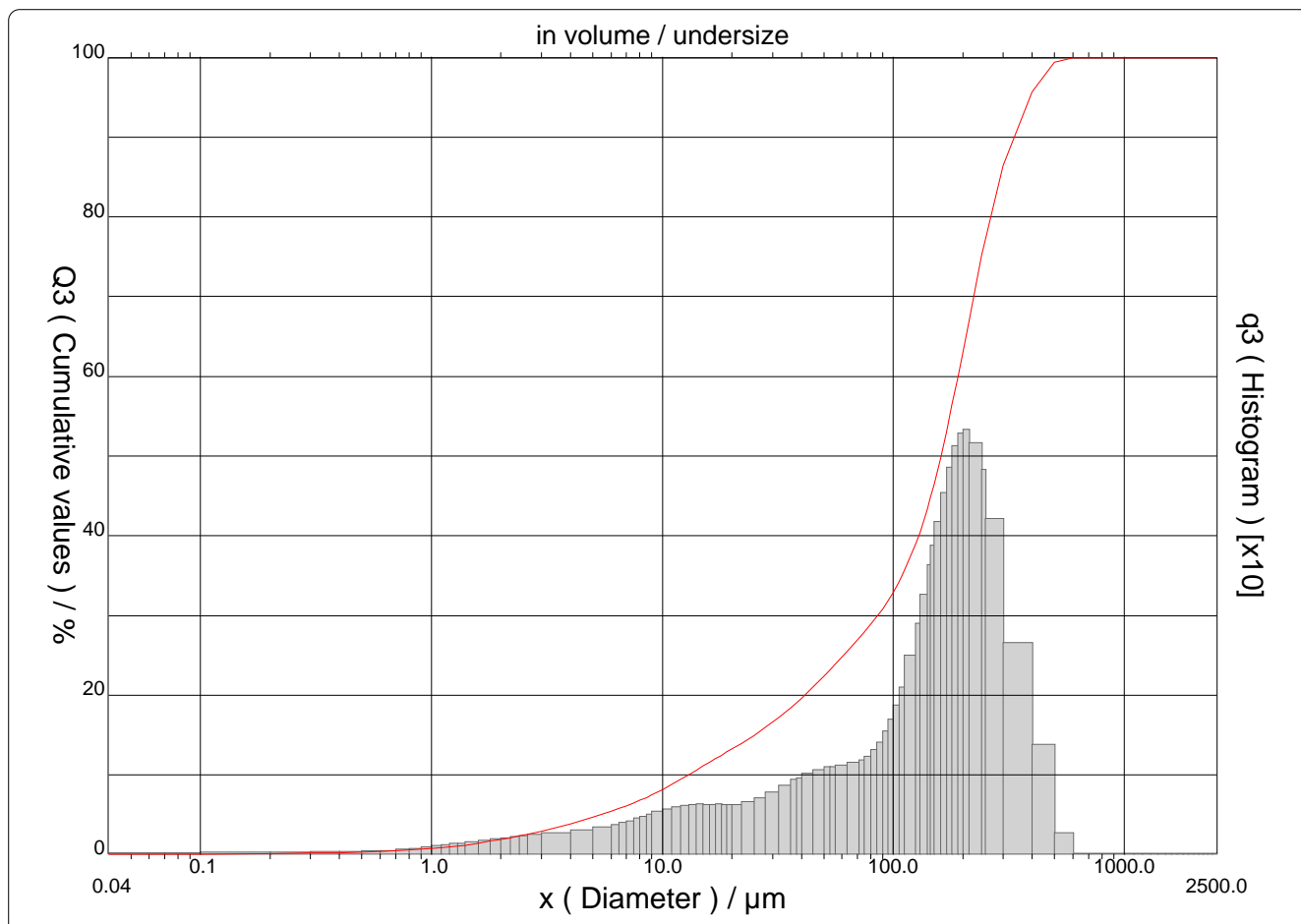
### Customer defined classes

### 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 /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 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  $\mu\text{m}$   
 Diameter at 50% : 160.90  $\mu\text{m}$   
 Diameter at 90% : 335.15  $\mu\text{m}$   
 Mean diameter : 167.75  $\mu\text{m}$   
 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 /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density

# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 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  $\mu\text{m}$   
 Diameter at 50% : 91.12  $\mu\text{m}$   
 Diameter at 90% : 311.03  $\mu\text{m}$   
 Mean diameter : 129.74  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

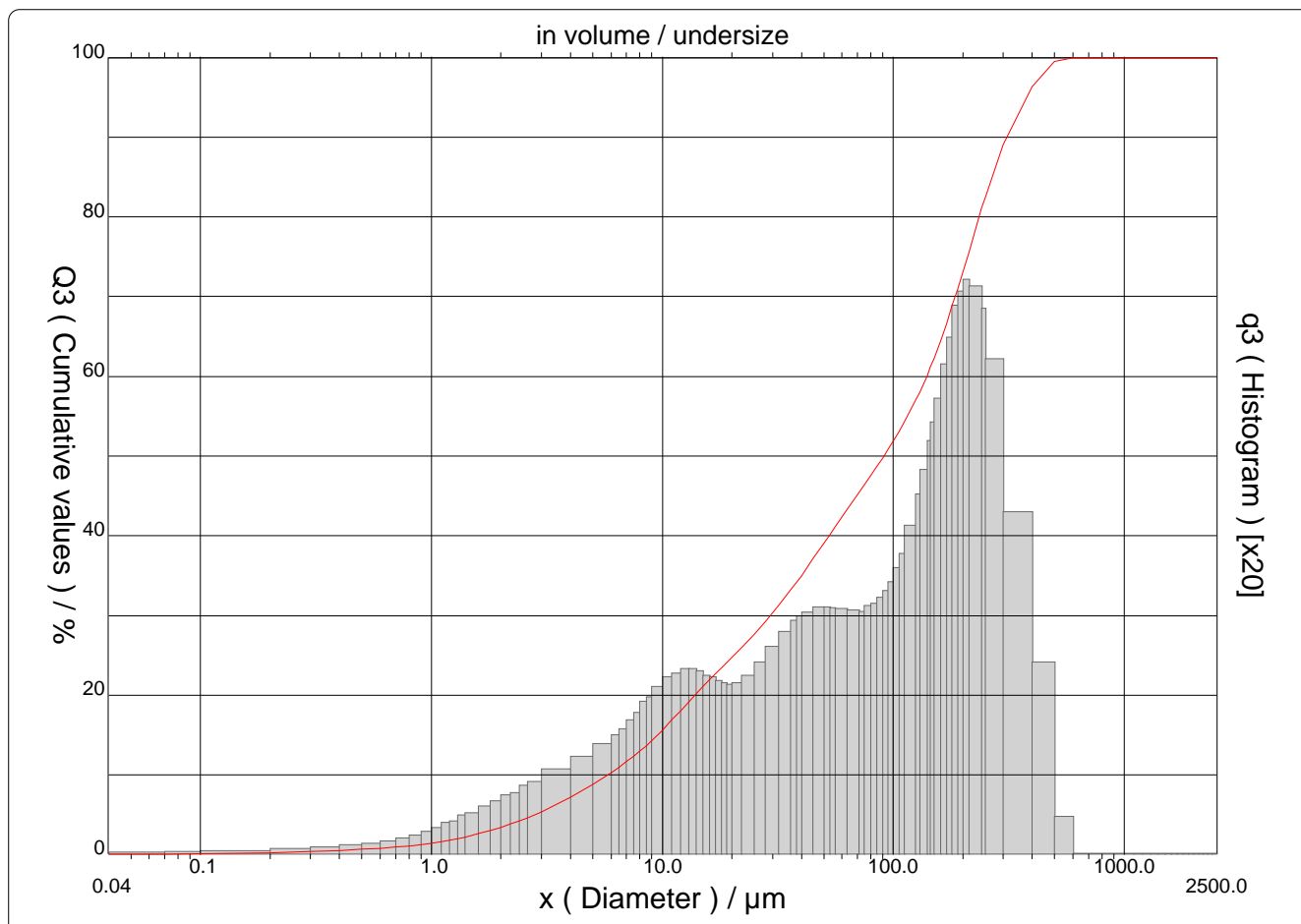
### Customer defined classes

### 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 /  $\mu\text{m}$  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\_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

### 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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 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  $\mu\text{m}$   
 Diameter at 50% : 175.00  $\mu\text{m}$   
 Diameter at 90% : 366.73  $\mu\text{m}$   
 Mean diameter : 180.22  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

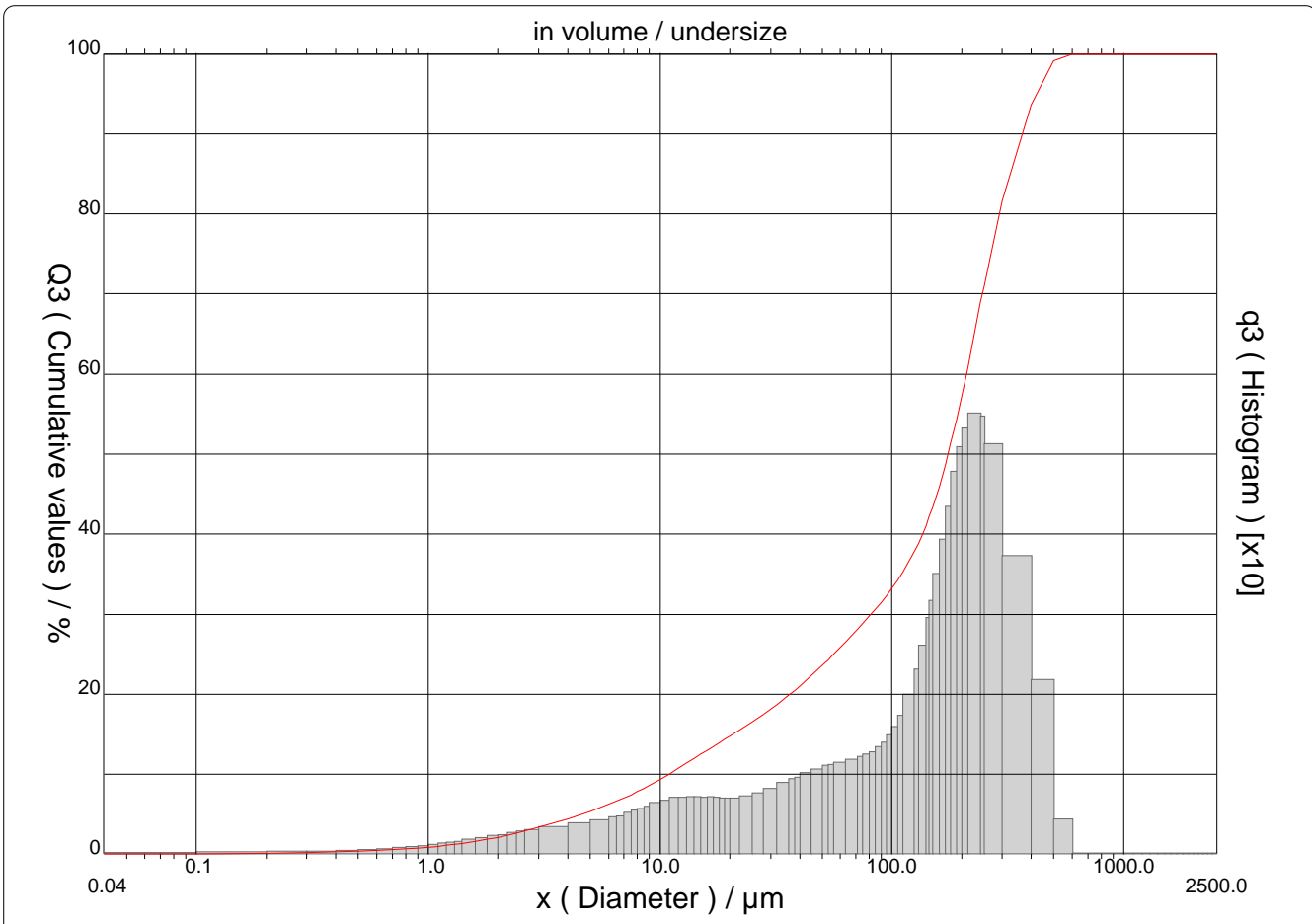
### Customer defined classes

### 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 /  $\mu\text{m}$  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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 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  $\mu\text{m}$   
 Diameter at 50% : 168.21  $\mu\text{m}$   
 Diameter at 90% : 360.83  $\mu\text{m}$   
 Mean diameter : 175.63  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

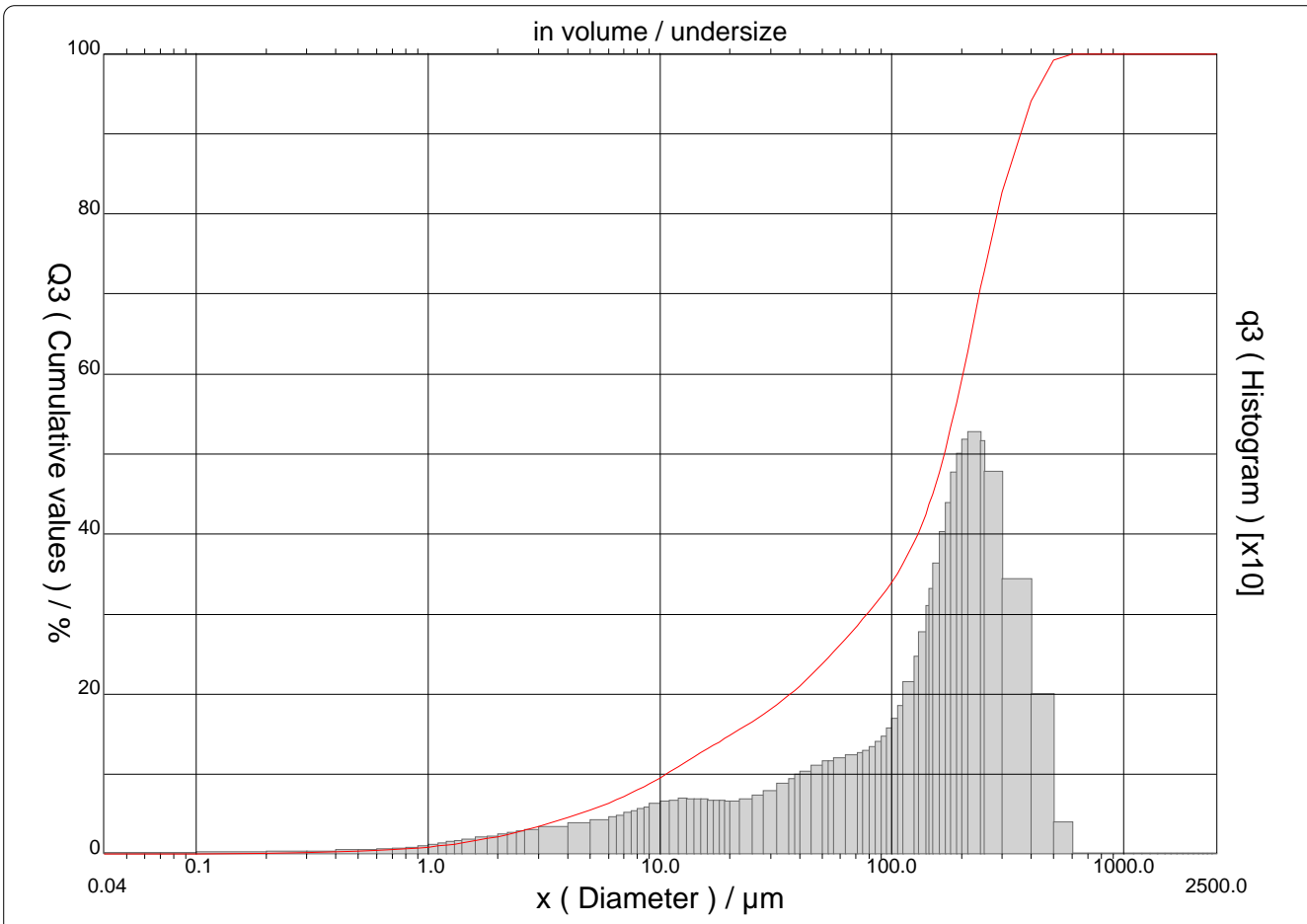
### Customer defined classes

### 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 /  $\mu\text{m}$  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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 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  $\mu\text{m}$   
 Diameter at 50% : 157.37  $\mu\text{m}$   
 Diameter at 90% : 357.70  $\mu\text{m}$   
 Mean diameter : 167.89  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

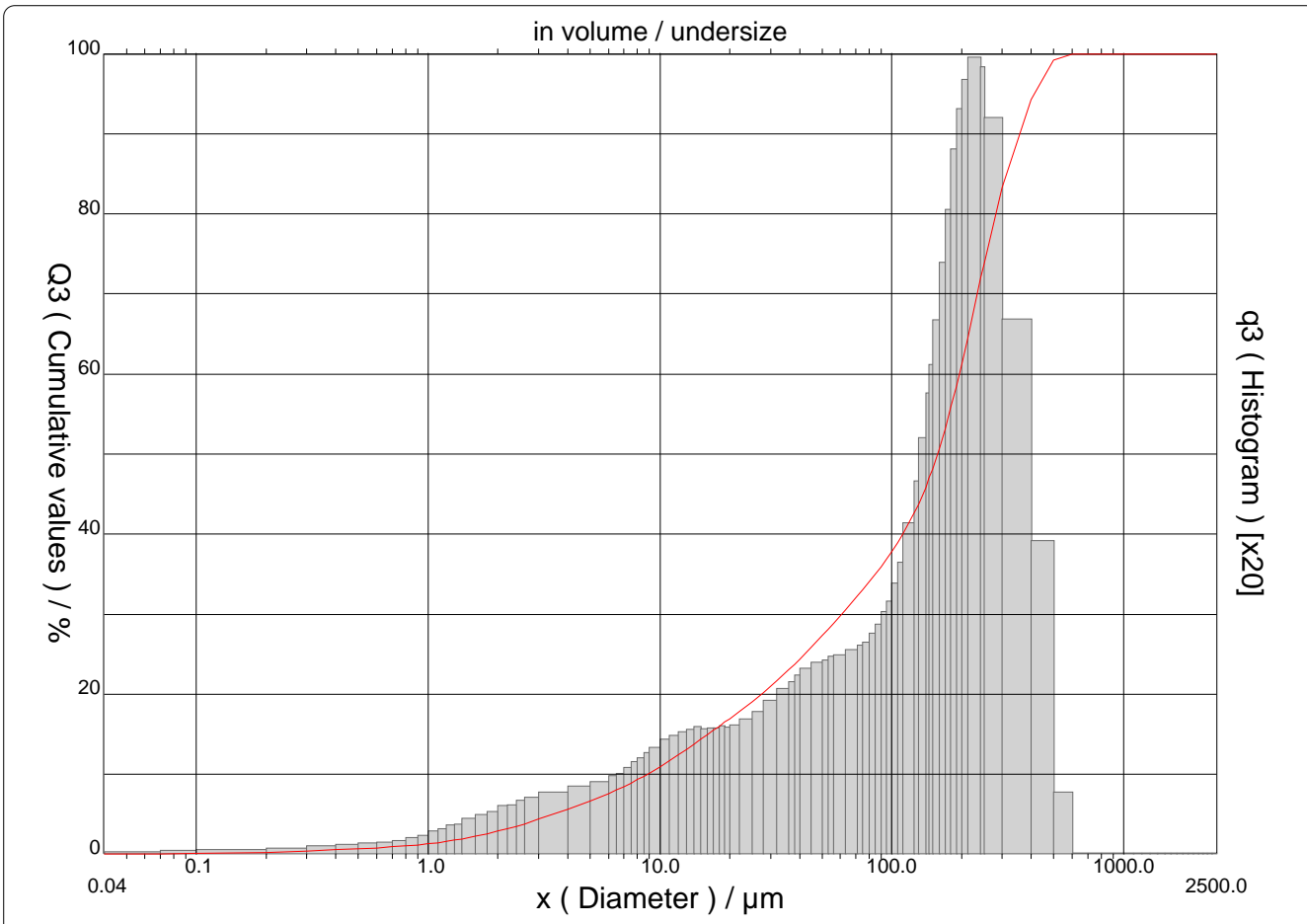
### Customer defined classes

### 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 /  $\mu\text{m}$  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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 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  $\mu\text{m}$   
 Diameter at 50% : 152.46  $\mu\text{m}$   
 Diameter at 90% : 333.17  $\mu\text{m}$   
 Mean diameter : 162.55  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

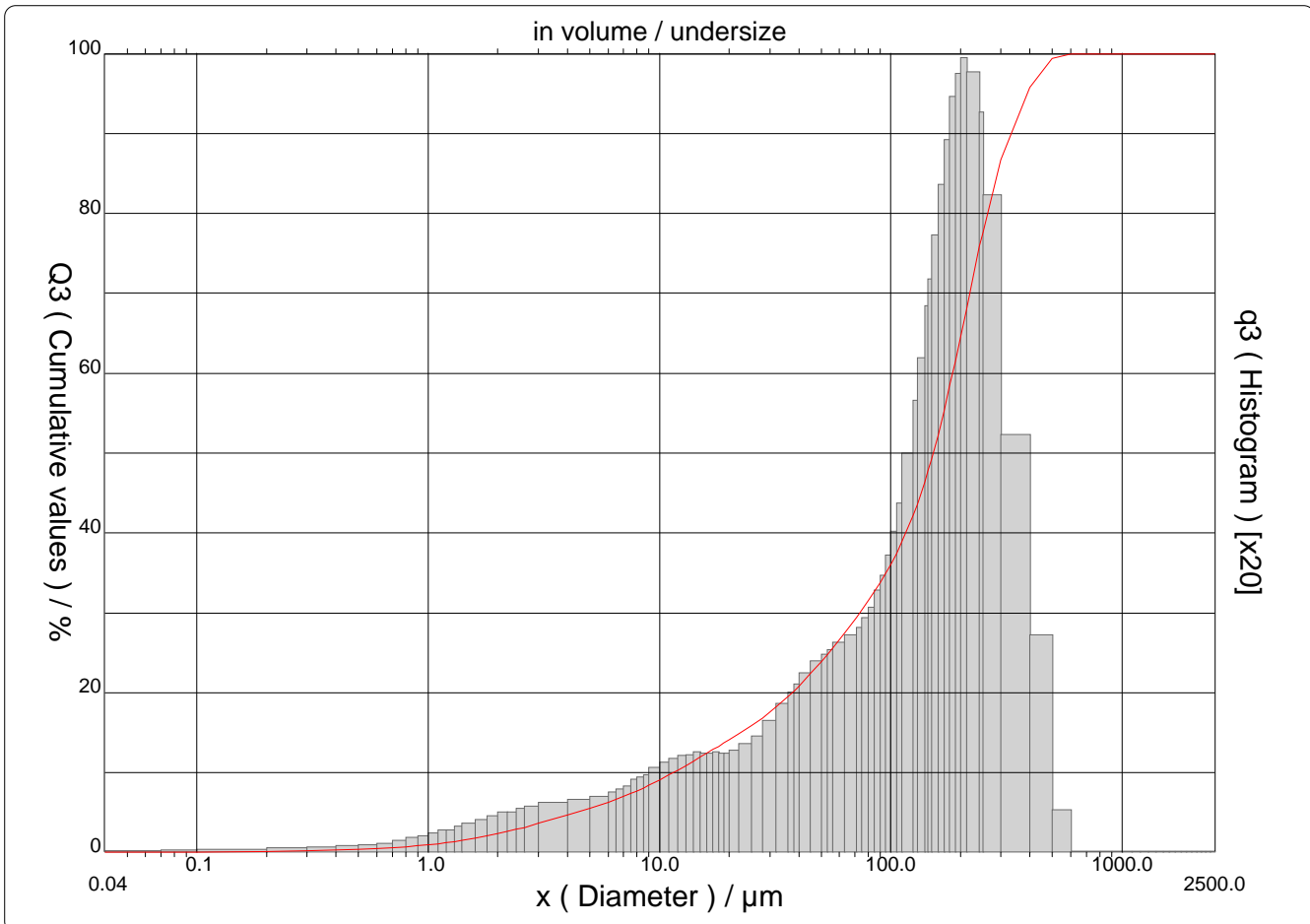
### Customer defined classes

### 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 /  $\mu\text{m}$  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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 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  $\mu\text{m}$   
 Diameter at 50% : 158.98  $\mu\text{m}$   
 Diameter at 90% : 351.93  $\mu\text{m}$   
 Mean diameter : 167.56  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

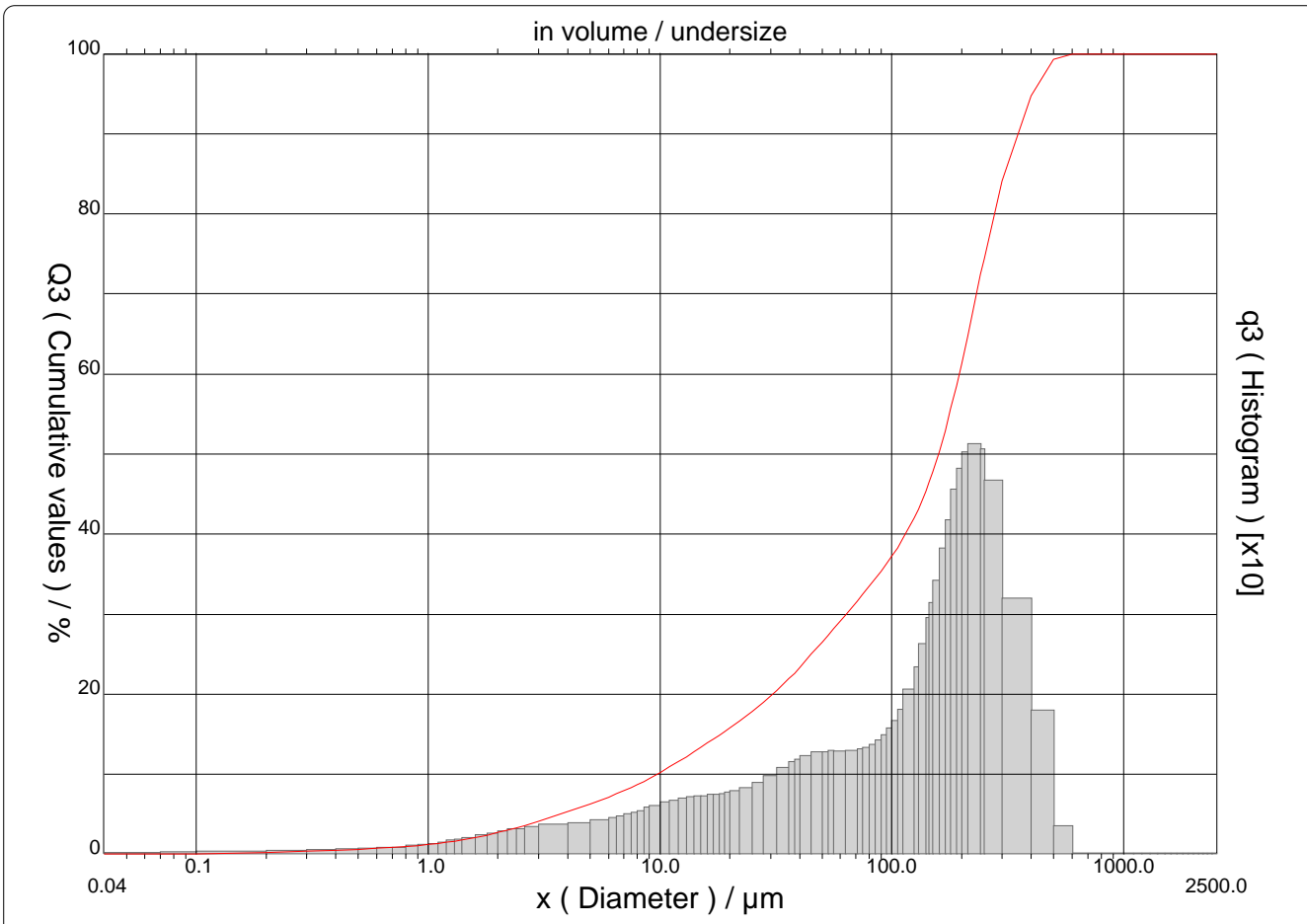
### Customer defined classes

### 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 /  $\mu\text{m}$  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

### 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