PARTICLE SIZE DISTRIBUTION

CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref.	: CR_23_01_30-35cm
Sample Name	:
Sample type	: Mixed
Comments	:
Liquid	: Water (eau)
Dispersing agent	:
Operator	: Eve
Company	:
Location	:
Date : 06/09/2023	Time : 01:29:47PM
Index meas.	: 2860
Database name	: Granulog

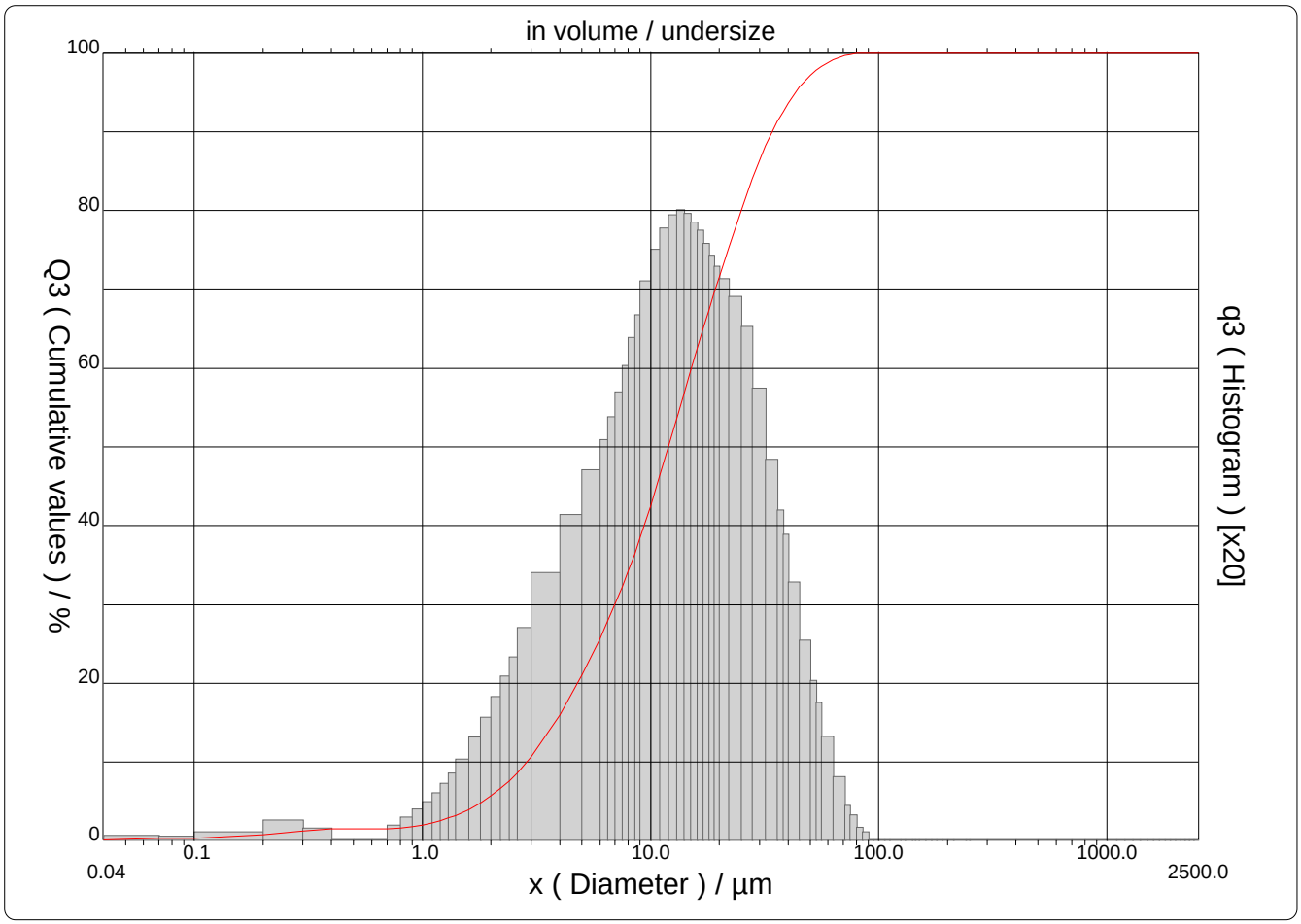
Ultrasounds	: 15 s (+during)
Obscuration	: 21 %
Diameter at 10%	: 2.86 µm
Diameter at 50%	: 11.98 µm
Diameter at 90%	: 34.25 µm
Mean diameter	: 15.81 µm
Fraunhofer	
Density/Factor	----------
Specific surface	----------
Automatic dilution	: No / No
Meas./Rins.	: 60s/60s/4
SOP name	: Mixed

Customer defined classes — in volume / undersize

x	0.04	3.90	62.00	88.00	125.0	177.0	250.0	350.0	500.0	710.0
Q3	0.11	15.49	99.07	99.99	100.00	100.00	100.00	100.00	100.00	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

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



Serial nb : 833

Ref : 2.r176.m0.88A1818/6.00/2860/m61.12.20.40.1Fh.20.20.40.1Bh/Q-.0.0.0.0//600.0.15.g10.0.16.10.1.10.P7200.27.80.P29.0/V 8.05/635

PARTICLE SIZE DISTRIBUTION

CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref.	: CR_23_01_30-35cm
Sample Name	:
Sample type	: Mixed
Comments	:
Liquid	: Water (eau)
Dispersing agent	:
Operator	: Eve
Company	:
Location	:
Date : 06/09/2023	Time : 01:29:47PM
Index meas.	: 2860
Database name	: Granulog

Ultrasounds	: 15 s (+during)
Obscuration	: 21 %
Diameter at 10%	: 2.86 µm
Diameter at 50%	: 11.98 µm
Diameter at 90%	: 34.25 µm
Mean diameter	: 15.81 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	0.11	0.28	0.37	0.75	1.29	1.52	1.52	1.52	1.52	1.65
q3	0.02	0.03	0.02	0.05	0.12	0.07	0.00	0.00	0.00	0.09
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	1.83	2.05	2.30	2.58	2.89	3.23	3.97	4.80	5.69	6.63
q3	0.14	0.19	0.24	0.30	0.36	0.42	0.51	0.65	0.78	0.91
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	7.61	8.62	10.71	16.01	21.02	25.67	27.88	30.04	32.17	34.28
q3	1.04	1.16	1.34	1.69	2.06	2.34	2.54	2.68	2.84	3.01
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	36.38	38.45	42.51	46.39	50.06	53.51	56.73	59.71	62.46	65.01
q3	3.18	3.33	3.54	3.74	3.88	3.96	3.99	3.97	3.92	3.87
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	67.36	69.54	71.57	75.26	80.05	84.06	88.22	91.31	92.54	93.62
q3	3.78	3.71	3.64	3.56	3.44	3.25	2.86	2.41	2.09	1.94
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	95.71	97.16	97.80	98.32	99.16	99.68	99.81	99.92	99.97	100.00
q3	1.63	1.27	1.01	0.87	0.66	0.40	0.22	0.16	0.08	0.05
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
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	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
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	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 µm - 2500.00 µm / 100 Classes

Sample ref.	: CR_23_01_30-35cmB
Sample Name	:
Sample type	: Mixed
Comments	:
Liquid	: Water (eau)
Dispersing agent	:
Operator	: Eve
Company	:
Location	:
Date : 06/09/2023	Time : 01:33:27PM
Index meas.	: 2861
Database name	: Granulog

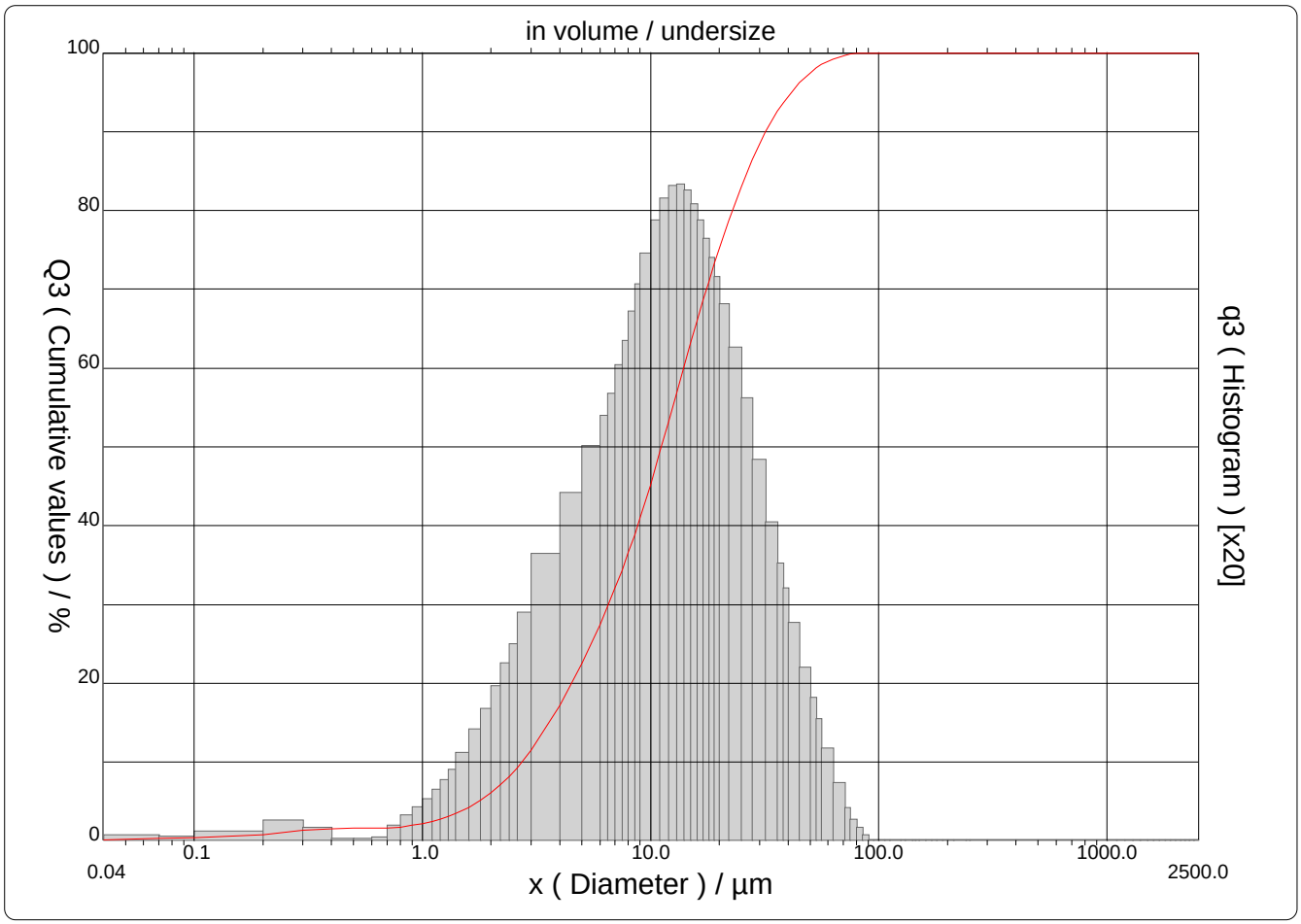
Ultrasounds	: 15 s (+during)
Obscuration	: 21 %
Diameter at 10%	: 2.72 µm
Diameter at 50%	: 11.17 µm
Diameter at 90%	: 32.04 µm
Mean diameter	: 14.81 µm
Fraunhofer	
Density/Factor	----------
Specific surface	----------
Automatic dilution	: No / No
Meas./Rins.	: 60s/60s/4
SOP name	: Mixed

Customer defined classes — in volume / undersize

x	0.04	3.90	62.00	88.00	125.0	177.0	250.0	350.0	500.0	710.0
Q3	0.11	16.64	99.17	99.99	100.00	100.00	100.00	100.00	100.00	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

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



Serial nb : 833

Ref : 2.r176.m0.88A1818/6.00/2861/m61.12.20.40.1Fh.20.20.40.1Bh/Q-.0.0.0.0//600.0.15.g10.0.16.10.1.10.P7200.27.80.P29.0/V 8.05/635

PARTICLE SIZE DISTRIBUTION

CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref.	: CR_23_01_30-35cmB
Sample Name	:
Sample type	: Mixed
Comments	:
Liquid	: Water (eau)
Dispersing agent	:
Operator	: Eve
Company	:
Location	:
Date : 06/09/2023	Time : 01:33:27PM
Index meas.	: 2861
Database name	: Granulog

Ultrasounds	: 15 s (+during)
Obscuration	: 21 %
Diameter at 10%	: 2.72 µm
Diameter at 50%	: 11.17 µm
Diameter at 90%	: 32.04 µm
Mean diameter	: 14.81 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	0.11	0.30	0.39	0.79	1.34	1.58	1.60	1.61	1.64	1.77
q3	0.02	0.03	0.02	0.05	0.12	0.08	0.01	0.01	0.02	0.09
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	1.97	2.21	2.48	2.78	3.11	3.47	4.27	5.17	6.12	7.13
q3	0.16	0.21	0.26	0.32	0.38	0.45	0.55	0.70	0.83	0.98
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	8.19	9.27	11.51	17.19	22.53	27.48	29.82	32.10	34.36	36.58
q3	1.12	1.24	1.44	1.82	2.20	2.50	2.69	2.83	3.01	3.17
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	38.79	40.98	45.24	49.31	53.16	56.77	60.12	63.21	66.04	68.63
q3	3.35	3.53	3.72	3.93	4.07	4.15	4.16	4.12	4.04	3.93
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	71.00	73.17	75.16	78.68	83.02	86.47	89.97	92.55	93.58	94.47
q3	3.82	3.69	3.57	3.40	3.12	2.80	2.41	2.02	1.75	1.60
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	96.23	97.48	98.05	98.51	99.25	99.72	99.84	99.93	99.98	100.00
q3	1.38	1.09	0.90	0.77	0.58	0.36	0.20	0.13	0.08	0.03
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
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	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
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	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 µm - 2500.00 µm / 100 Classes

Sample ref.	: CR_23_01_30-35cmC
Sample Name	:
Sample type	: Mixed
Comments	:
Liquid	: Water (eau)
Dispersing agent	:
Operator	: Eve
Company	:
Location	:
Date : 06/09/2023	Time : 01:37:27PM
Index meas.	: 2862
Database name	: Granulog

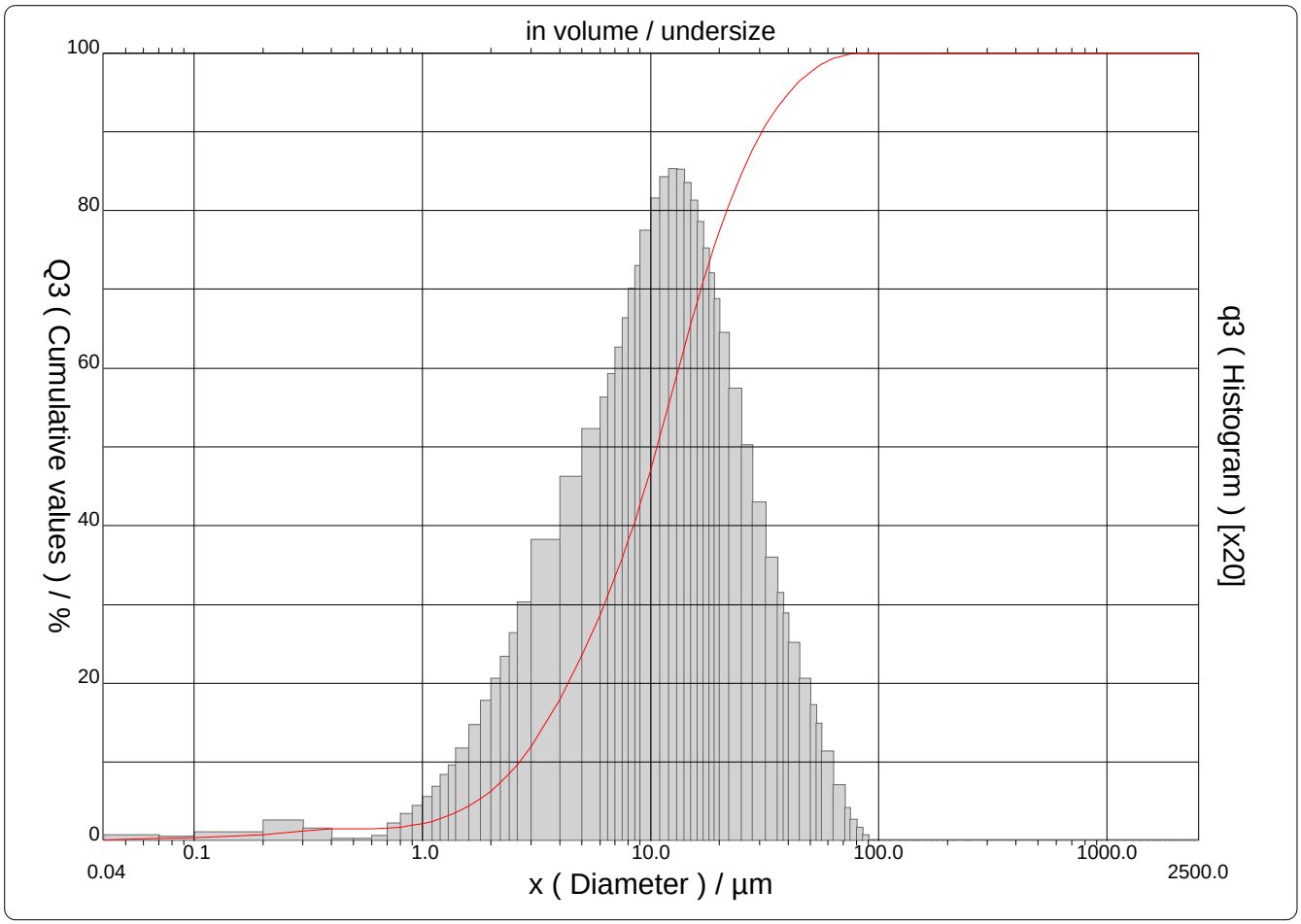
Ultrasounds	: 15 s (+during)
Obscuration	: 22 %
Diameter at 10%	: 2.66 µm
Diameter at 50%	: 10.67 µm
Diameter at 90%	: 30.93 µm
Mean diameter	: 14.25 µm
Fraunhofer	
Density/Factor	----------
Specific surface	----------
Automatic dilution	: No / No
Meas./Rins.	: 60s/60s/4
SOP name	: Mixed

Customer defined classes — in volume / undersize

x	0.04	3.90	62.00	88.00	125.0	177.0	250.0	350.0	500.0	710.0
Q3	0.11	17.34	99.19	99.99	100.00	100.00	100.00	100.00	100.00	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

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



Serial nb : 833

Ref : 2.r176.m0.88A1818/6.00/2862/m61.12.20.40.1Fh.20.20.40.1Bh/Q-.0.0.0.0//600.0.15.g10.0.16.10.1.10.P7200.27.80.P29.0/V 8.05/635

PARTICLE SIZE DISTRIBUTION

CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref.	: CR_23_01_30-35cmC
Sample Name	:
Sample type	: Mixed
Comments	:
Liquid	: Water (eau)
Dispersing agent	:
Operator	: Eve
Company	:
Location	:
Date : 06/09/2023	Time : 01:37:27PM
Index meas.	: 2862
Database name	: Granulog

Ultrasounds	: 15 s (+during)
Obscuration	: 22 %
Diameter at 10%	: 2.66 µm
Diameter at 50%	: 10.67 µm
Diameter at 90%	: 30.93 µm
Mean diameter	: 14.25 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	0.11	0.29	0.38	0.76	1.30	1.53	1.55	1.56	1.60	1.75
q3	0.02	0.03	0.02	0.05	0.12	0.07	0.01	0.01	0.02	0.10
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	1.96	2.21	2.49	2.81	3.17	3.55	4.39	5.32	6.33	7.39
q3	0.16	0.22	0.27	0.34	0.41	0.47	0.58	0.73	0.88	1.02
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	8.49	9.63	11.97	17.92	23.50	28.66	31.10	33.48	35.82	38.14
q3	1.16	1.31	1.51	1.91	2.30	2.61	2.81	2.96	3.12	3.31
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	40.44	42.70	47.12	51.33	55.30	59.00	62.42	65.54	68.38	70.96
q3	3.50	3.64	3.87	4.07	4.20	4.26	4.25	4.17	4.05	3.92
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	73.29	75.40	77.31	80.64	84.61	87.69	90.79	93.08	94.00	94.80
q3	3.76	3.60	3.43	3.22	2.86	2.50	2.14	1.79	1.57	1.44
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	96.40	97.57	98.11	98.55	99.27	99.72	99.84	99.93	99.98	100.00
q3	1.25	1.02	0.85	0.74	0.56	0.35	0.20	0.13	0.08	0.03
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
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	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
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	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 µm - 2500.00 µm / 100 Classes

Sample ref.	: CR_23_01_30-35cmD
Sample Name	:
Sample type	: Mixed
Comments	:
Liquid	: Water (eau)
Dispersing agent	:
Operator	: Eve
Company	:
Location	:
Date : 06/09/2023	Time : 01:47:22PM
Index meas.	: 2863
Database name	: Granulog

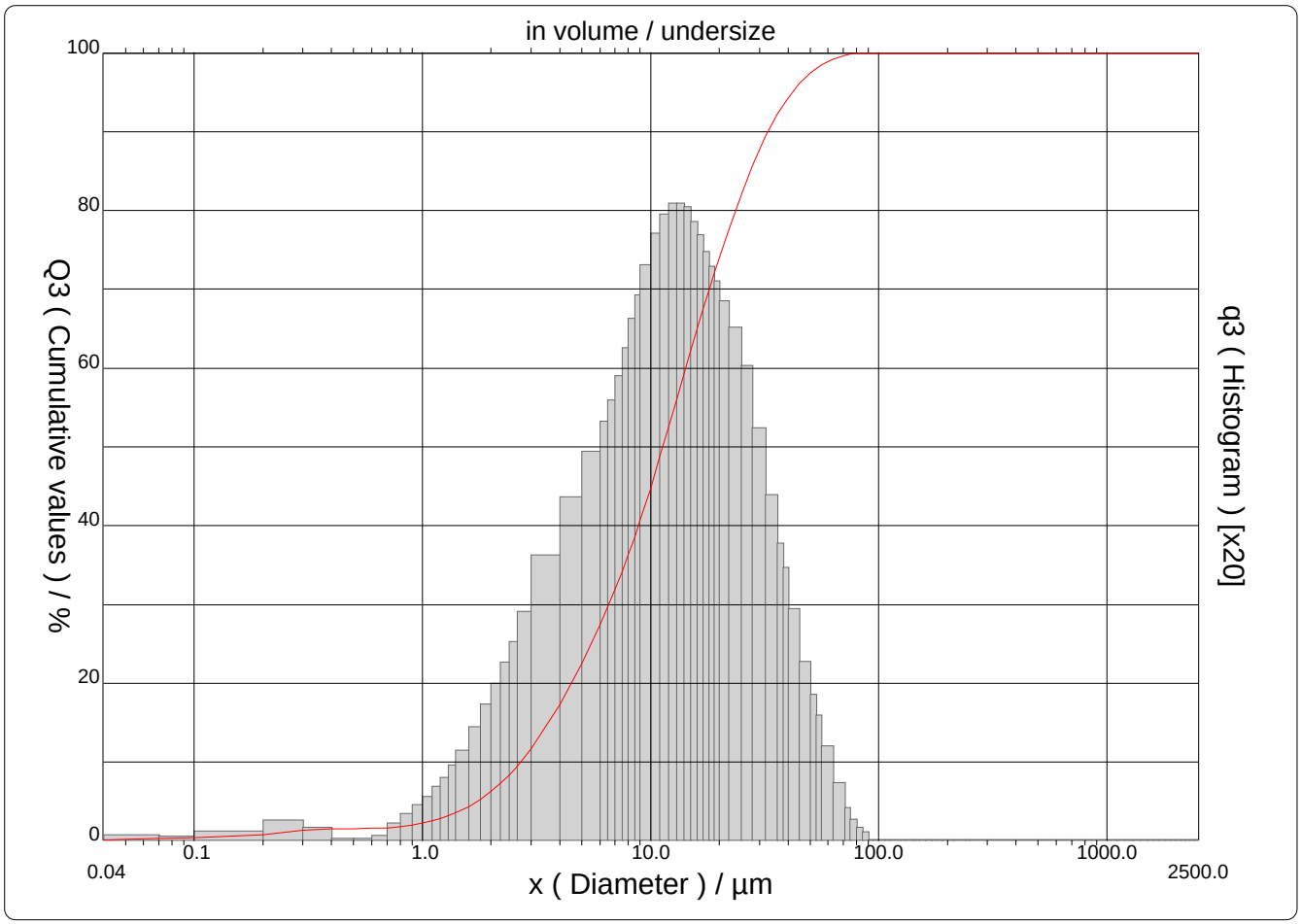
Ultrasounds	: 15 s (+during)
Obscuration	: 23 %
Diameter at 10%	: 2.69 µm
Diameter at 50%	: 11.32 µm
Diameter at 90%	: 32.79 µm
Mean diameter	: 15.07 µm
Fraunhofer	
Density/Factor	----------
Specific surface	----------
Automatic dilution	: No / No
Meas./Rins.	: 60s/60s/4
SOP name	: Mixed

Customer defined classes — in volume / undersize

x	0.04	3.90	62.00	88.00	125.0	177.0	250.0	350.0	500.0	710.0
Q3	0.11	16.75	99.15	99.99	100.00	100.00	100.00	100.00	100.00	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

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



PARTICLE SIZE DISTRIBUTION

CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref.	: CR_23_01_30-35cmD
Sample Name	:
Sample type	: Mixed
Comments	:
Liquid	: Water (eau)
Dispersing agent	:
Operator	: Eve
Company	:
Location	:
Date : 06/09/2023	Time : 01:47:22PM
Index meas.	: 2863
Database name	: Granulog

Ultrasounds	: 15 s (+during)
Obscuration	: 23 %
Diameter at 10%	: 2.69 µm
Diameter at 50%	: 11.32 µm
Diameter at 90%	: 32.79 µm
Mean diameter	: 15.07 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	0.11	0.29	0.38	0.77	1.32	1.56	1.58	1.59	1.63	1.78
q3	0.02	0.03	0.02	0.05	0.13	0.08	0.01	0.01	0.02	0.10
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	1.99	2.24	2.52	2.84	3.18	3.56	4.38	5.29	6.27	7.29
q3	0.16	0.22	0.27	0.34	0.39	0.47	0.57	0.71	0.86	0.99
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	8.35	9.44	11.68	17.30	22.55	27.41	29.71	31.95	34.15	36.33
q3	1.12	1.26	1.45	1.80	2.17	2.46	2.65	2.79	2.94	3.12
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	38.50	40.64	44.80	48.77	52.51	56.01	59.25	62.25	64.99	67.51
q3	3.30	3.46	3.65	3.85	3.97	4.04	4.04	4.01	3.92	3.84
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	69.82	71.95	73.92	77.45	81.95	85.64	89.42	92.21	93.31	94.27
q3	3.73	3.64	3.55	3.42	3.25	3.01	2.61	2.19	1.88	1.73
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	96.14	97.43	98.01	98.48	99.24	99.71	99.83	99.92	99.97	100.00
q3	1.47	1.13	0.92	0.79	0.60	0.36	0.20	0.13	0.08	0.05
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
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	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
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	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