

# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

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

Sample ref. : SR-16-3 0-5cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Robin  
 Company :  
 Location :  
 Date : 07/14/2016 Time : 11:02:41AM  
 Index meas. : 6349  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 9 %  
 Diameter at 10% : 2.69  $\mu\text{m}$   
 Diameter at 50% : 11.14  $\mu\text{m}$   
 Diameter at 90% : 29.30  $\mu\text{m}$   
 Mean diameter : 13.78  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

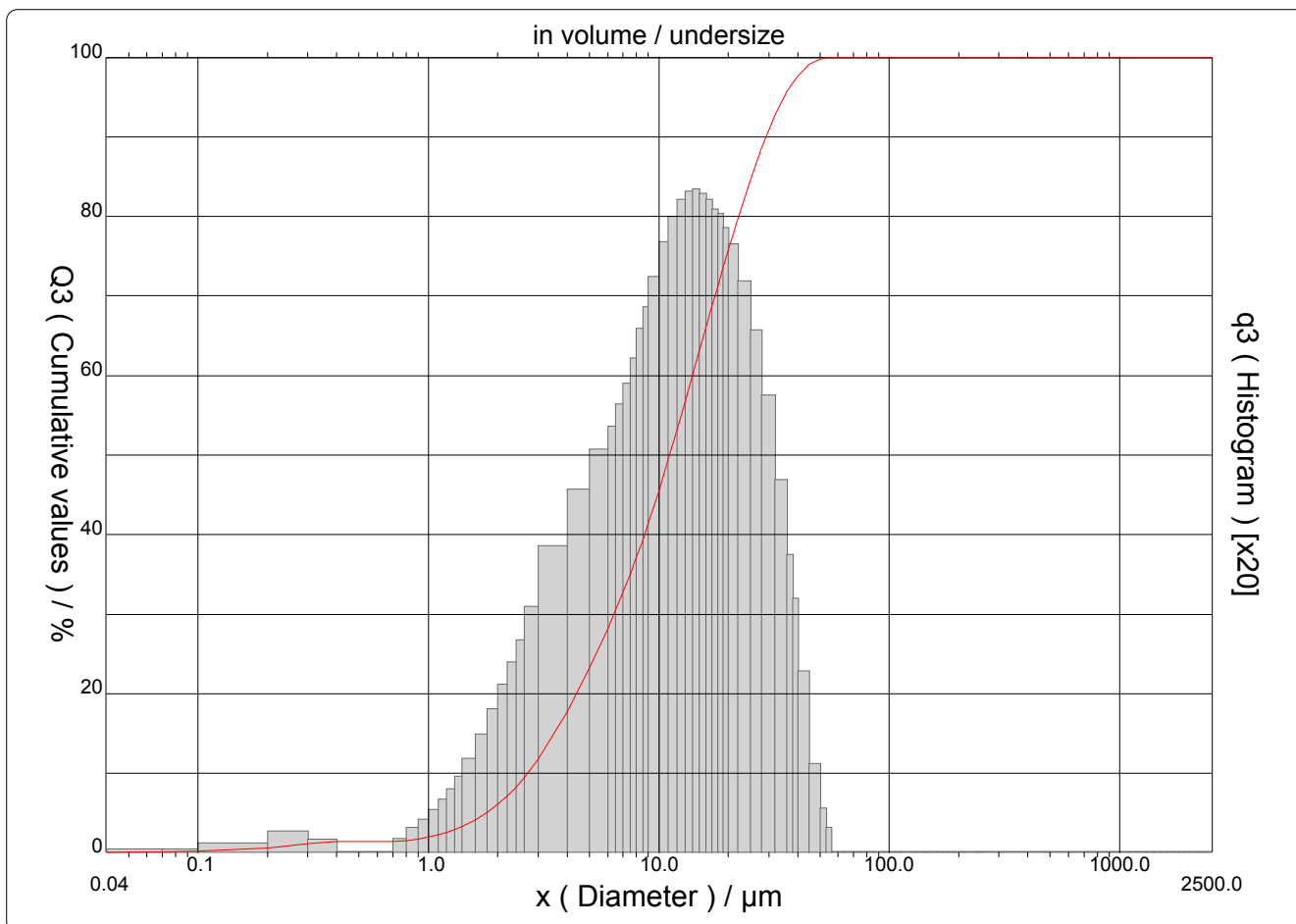
### Customer defined classes

### 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	0.04	17.19	100.00	100.00	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 /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : SR-16-3 0-5cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Robin  
 Company :  
 Location :  
 Date : 07/14/2016 Time : 11:02:41AM  
 Index meas. : 6349  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 9 %  
 Diameter at 10% : 2.69 µm  
 Diameter at 50% : 11.14 µm  
 Diameter at 90% : 29.30 µm  
 Mean diameter : 13.78 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	0.04	0.14	0.21	0.62	1.19	1.43	1.43	1.43	1.43	1.55
q3	0.01	0.02	0.02	0.05	0.13	0.08	0.00	0.00	0.00	0.08
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	1.74	1.97	2.24	2.55	2.89	3.27	4.11	5.05	6.07	7.15
q3	0.15	0.20	0.26	0.33	0.39	0.48	0.58	0.74	0.90	1.05
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	8.27	9.42	11.80	17.77	23.25	28.22	30.53	32.78	34.97	37.13
q3	1.19	1.33	1.54	1.92	2.28	2.53	2.67	2.81	2.94	3.10
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	39.28	41.39	45.50	49.44	53.19	56.73	60.05	63.15	66.03	68.71
q3	3.29	3.42	3.61	3.83	3.99	4.10	4.15	4.16	4.13	4.10
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	71.20	73.54	75.71	79.64	84.59	88.60	92.73	95.70	96.79	97.67
q3	4.04	4.01	3.92	3.82	3.59	3.28	2.87	2.34	1.87	1.59
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	99.11	99.74	99.91	100.00	100.00	100.00	100.00	100.00	100.00	100.00
q3	1.13	0.55	0.27	0.15	0.00	0.00	0.00	0.00	0.00	0.00
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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : SR-16-3 5-10cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Robin  
 Company :  
 Location :  
 Date : 07/14/2016 Time : 11:09:06AM  
 Index meas. : 6350  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 2.81  $\mu\text{m}$   
 Diameter at 50% : 13.19  $\mu\text{m}$   
 Diameter at 90% : 37.28  $\mu\text{m}$   
 Mean diameter : 17.49  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

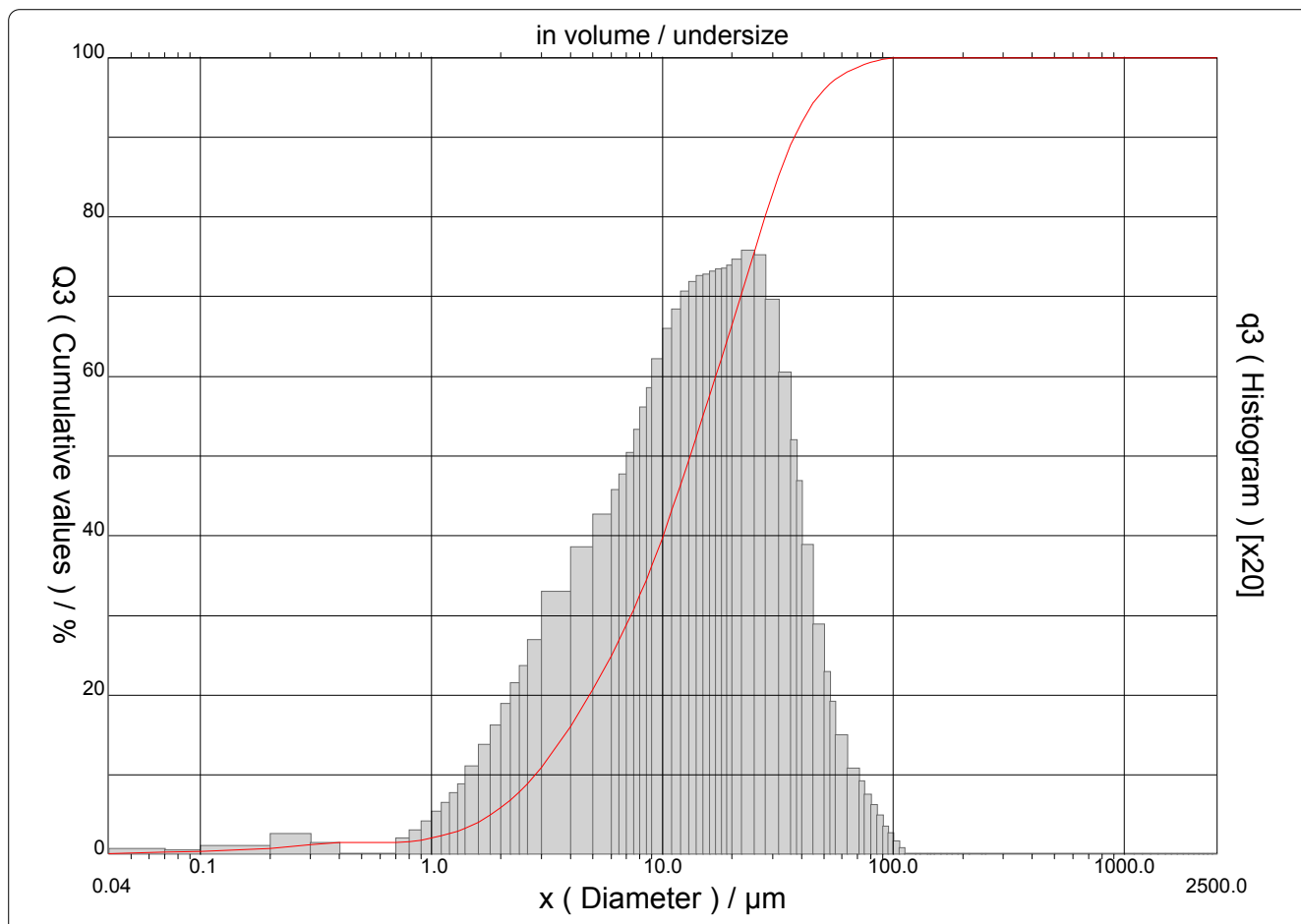
### Customer defined classes

### 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	0.11	15.60	98.08	99.70	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 /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : SR-16-3 5-10cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Robin  
 Company :  
 Location :  
 Date : 07/14/2016 Time : 11:09:06AM  
 Index meas. : 6350  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 2.81 µm  
 Diameter at 50% : 13.19 µm  
 Diameter at 90% : 37.28 µm  
 Mean diameter : 17.49 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	0.75	1.29	1.50	1.50	1.50	1.50	1.64
q3	0.02	0.03	0.02	0.05	0.12	0.07	0.00	0.00	0.00	0.10
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	1.83	2.06	2.33	2.63	2.96	3.31	4.10	4.97	5.89	6.86
q3	0.15	0.20	0.26	0.32	0.38	0.44	0.55	0.68	0.81	0.94
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	7.87	8.89	10.97	16.09	20.74	24.94	26.92	28.83	30.71	32.57
q3	1.07	1.18	1.34	1.64	1.92	2.13	2.28	2.38	2.51	2.66
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	34.41	36.22	39.76	43.16	46.38	49.44	52.32	55.03	57.57	59.97
q3	2.80	2.92	3.10	3.29	3.41	3.53	3.59	3.62	3.63	3.65
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	62.24	64.39	66.44	70.29	75.53	80.14	85.17	89.02	90.54	91.84
q3	3.66	3.67	3.69	3.73	3.78	3.75	3.47	3.02	2.59	2.34
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	94.31	95.95	96.67	97.24	98.19	98.88	99.15	99.41	99.61	99.76
q3	1.93	1.44	1.14	0.96	0.74	0.53	0.45	0.37	0.30	0.24
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	99.86	99.93	99.98	100.00	100.00	100.00	100.00	100.00	100.00	100.00
q3	0.17	0.13	0.08	0.03	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref.	: SR-16-3 10-15cm	Ultrasounds	: 15	s (+during)
Sample Name	:	Obscuration	: 11 %	
Sample type	: Mixed	Diameter at 10%	: 2.80	$\mu\text{m}$
Comments	:	Diameter at 50%	: 13.12	$\mu\text{m}$
Liquid	: Water (eau)	Diameter at 90%	: 40.55	$\mu\text{m}$
Dispersing agent	:	Mean diameter	: 18.35	$\mu\text{m}$
Operator	: Robin	Fraunhofer		
Company	:	Density/Factor	-----	
Location	:	Specific surface	-----	
Date : 07/14/2016	Time : 11:15:27AM	Automatic dilution	: No / No	
Index meas.	: 6351	Meas./Rins.	: 60s/60s/4	
Database name	: Granulog	SOP name	: Mixed	

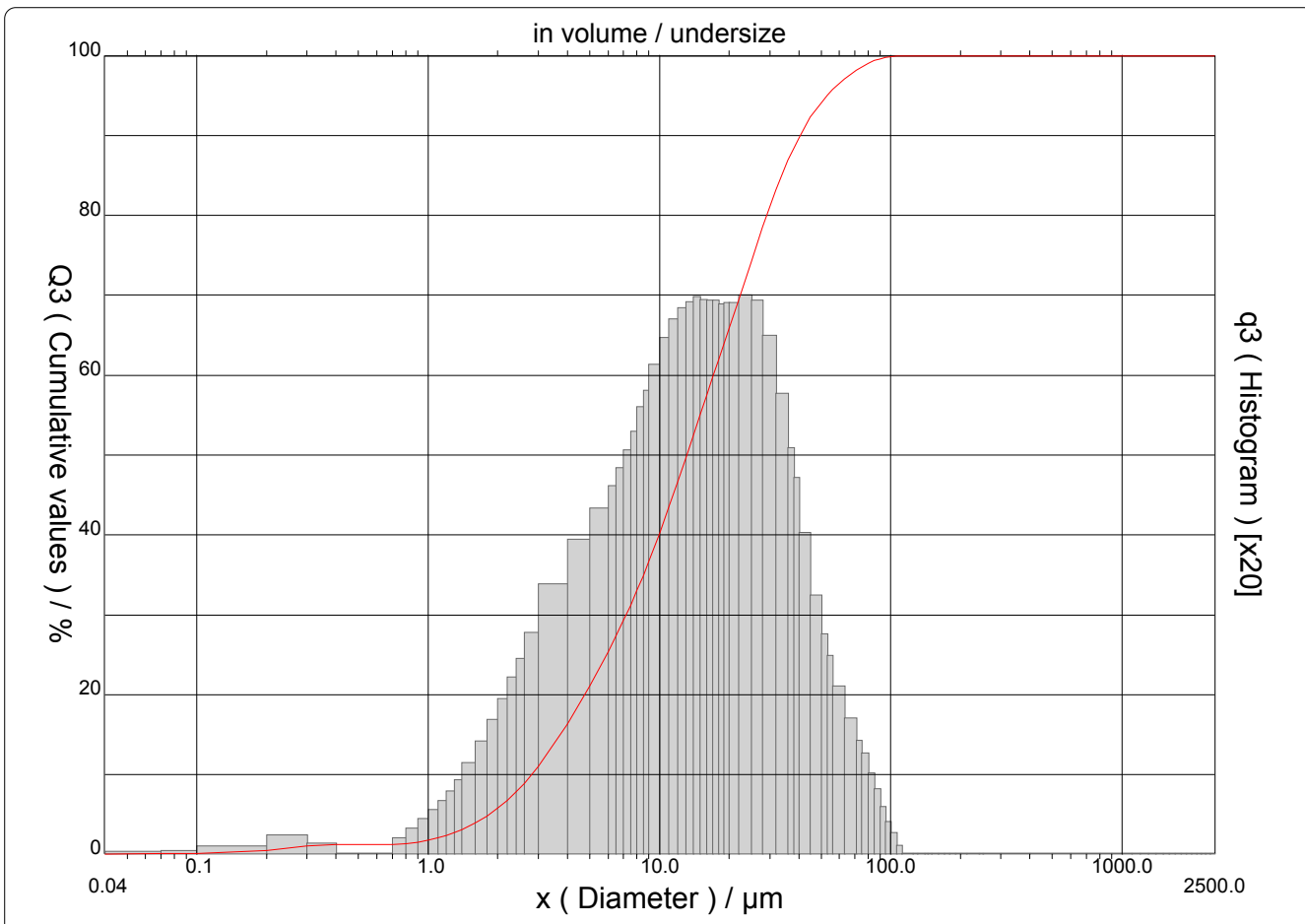
### Customer defined classes

### 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	0.04	15.82	96.90	99.52	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 /  $\mu\text{m}$     Q3 : cumulative value / %    q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : SR-16-3 10-15cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Robin  
 Company :  
 Location :  
 Date : 07/14/2016 Time : 11:15:27AM  
 Index meas. : 6351  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 11 %  
 Diameter at 10% : 2.80 µm  
 Diameter at 50% : 13.12 µm  
 Diameter at 90% : 40.55 µm  
 Mean diameter : 18.35 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	0.04	0.12	0.18	0.53	1.03	1.23	1.23	1.23	1.23	1.37
q3	0.01	0.01	0.02	0.05	0.11	0.06	0.00	0.00	0.00	0.10
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	1.57	1.82	2.10	2.41	2.75	3.12	3.94	4.84	5.80	6.80
q3	0.16	0.22	0.27	0.33	0.39	0.46	0.57	0.70	0.84	0.97
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	7.84	8.90	11.05	16.32	21.08	25.36	27.36	29.30	31.19	33.04
q3	1.10	1.22	1.38	1.69	1.96	2.16	2.30	2.41	2.52	2.64
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	34.88	36.68	40.18	43.52	46.68	49.65	52.43	55.04	57.47	59.75
q3	2.79	2.90	3.06	3.23	3.34	3.42	3.45	3.48	3.47	3.46
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	61.90	63.92	65.84	69.41	74.26	78.52	83.22	86.90	88.39	89.70
q3	3.46	3.44	3.45	3.45	3.49	3.46	3.24	2.88	2.54	2.35
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	92.27	94.12	94.99	95.73	97.07	98.17	98.59	99.03	99.36	99.61
q3	2.01	1.62	1.37	1.24	1.05	0.85	0.71	0.63	0.50	0.40
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	99.78	99.89	99.97	100.00	100.00	100.00	100.00	100.00	100.00	100.00
q3	0.29	0.20	0.13	0.05	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : SR-16-3 15-20cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Robin  
 Company :  
 Location :  
 Date : 07/14/2016 Time : 11:21:31AM  
 Index meas. : 6352  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 16 %  
 Diameter at 10% : 2.81  $\mu\text{m}$   
 Diameter at 50% : 12.73  $\mu\text{m}$   
 Diameter at 90% : 34.94  $\mu\text{m}$   
 Mean diameter : 16.18  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

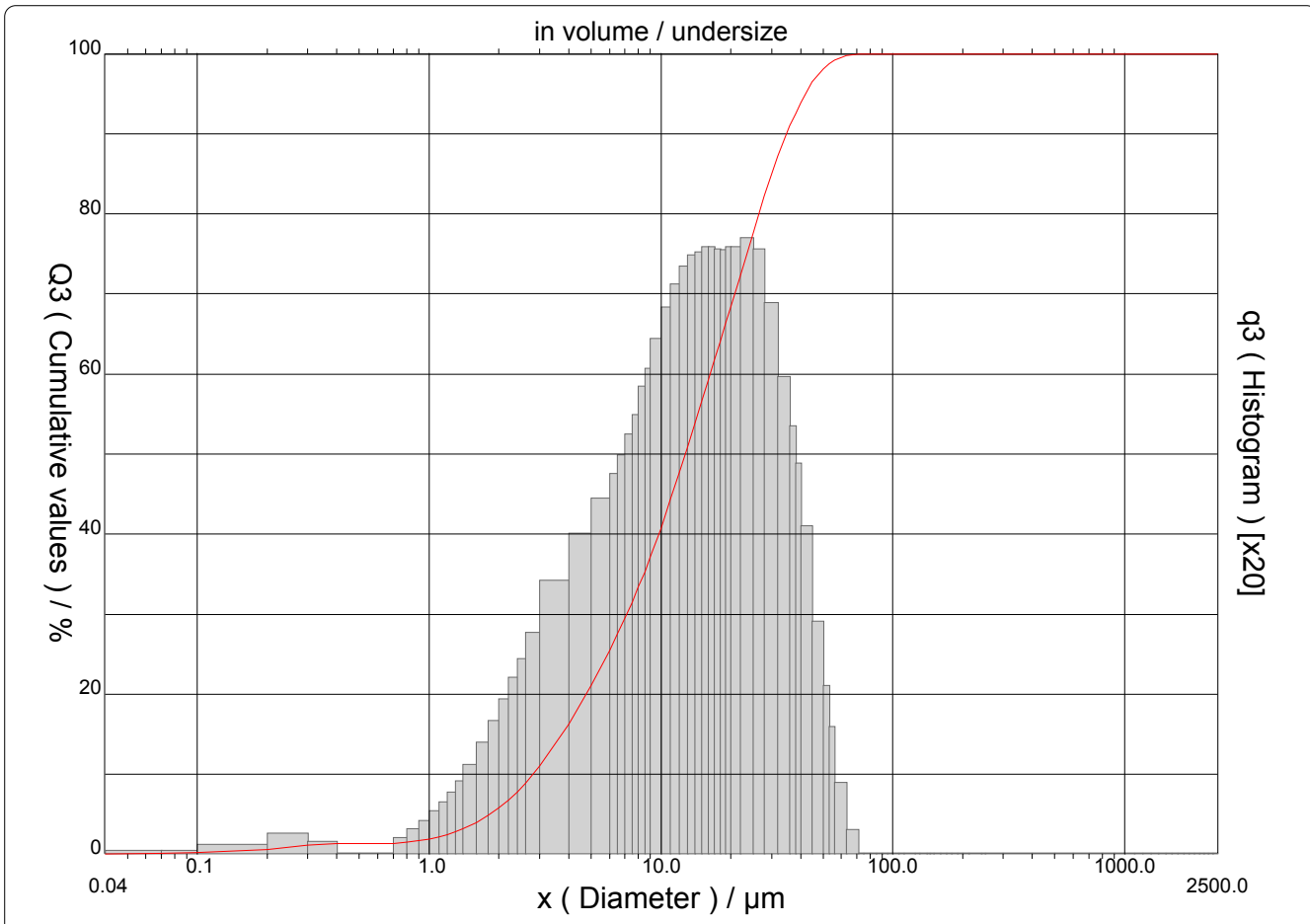
### Customer defined classes

### 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	0.04	15.78	99.76	100.00	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 /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



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Sample ref. : SR-16-3 15-20cm  
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 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
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 Operator : Robin  
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 Diameter at 10% : 2.81 µm  
 Diameter at 50% : 12.73 µm  
 Diameter at 90% : 34.94 µm  
 Mean diameter : 16.18 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	0.04	0.13	0.20	0.59	1.14	1.36	1.36	1.36	1.36	1.50
q3	0.01	0.01	0.02	0.05	0.13	0.07	0.00	0.00	0.00	0.10
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	1.69	1.92	2.19	2.49	2.82	3.18	3.98	4.86	5.80	6.79
q3	0.15	0.20	0.26	0.32	0.38	0.45	0.55	0.69	0.83	0.96
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	7.82	8.87	11.00	16.29	21.11	25.48	27.53	29.52	31.47	33.38
q3	1.10	1.21	1.38	1.70	2.00	2.22	2.37	2.48	2.62	2.74
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	35.29	37.16	40.82	44.33	47.67	50.84	53.83	56.63	59.27	61.75
q3	2.92	3.03	3.21	3.41	3.55	3.66	3.73	3.76	3.79	3.79
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	64.08	66.28	68.38	72.28	77.59	82.21	87.17	90.96	92.52	93.87
q3	3.77	3.77	3.79	3.79	3.84	3.77	3.44	2.98	2.67	2.44
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	96.47	98.12	98.78	99.25	99.81	100.00	100.00	100.00	100.00	100.00
q3	2.04	1.45	1.05	0.79	0.44	0.15	0.00	0.00	0.00	0.00
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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : SR-16-3 20-25cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Robin  
 Company :  
 Location :  
 Date : 07/14/2016 Time : 11:28:05AM  
 Index meas. : 6353  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 2.60  $\mu\text{m}$   
 Diameter at 50% : 11.91  $\mu\text{m}$   
 Diameter at 90% : 33.65  $\mu\text{m}$   
 Mean diameter : 15.37  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

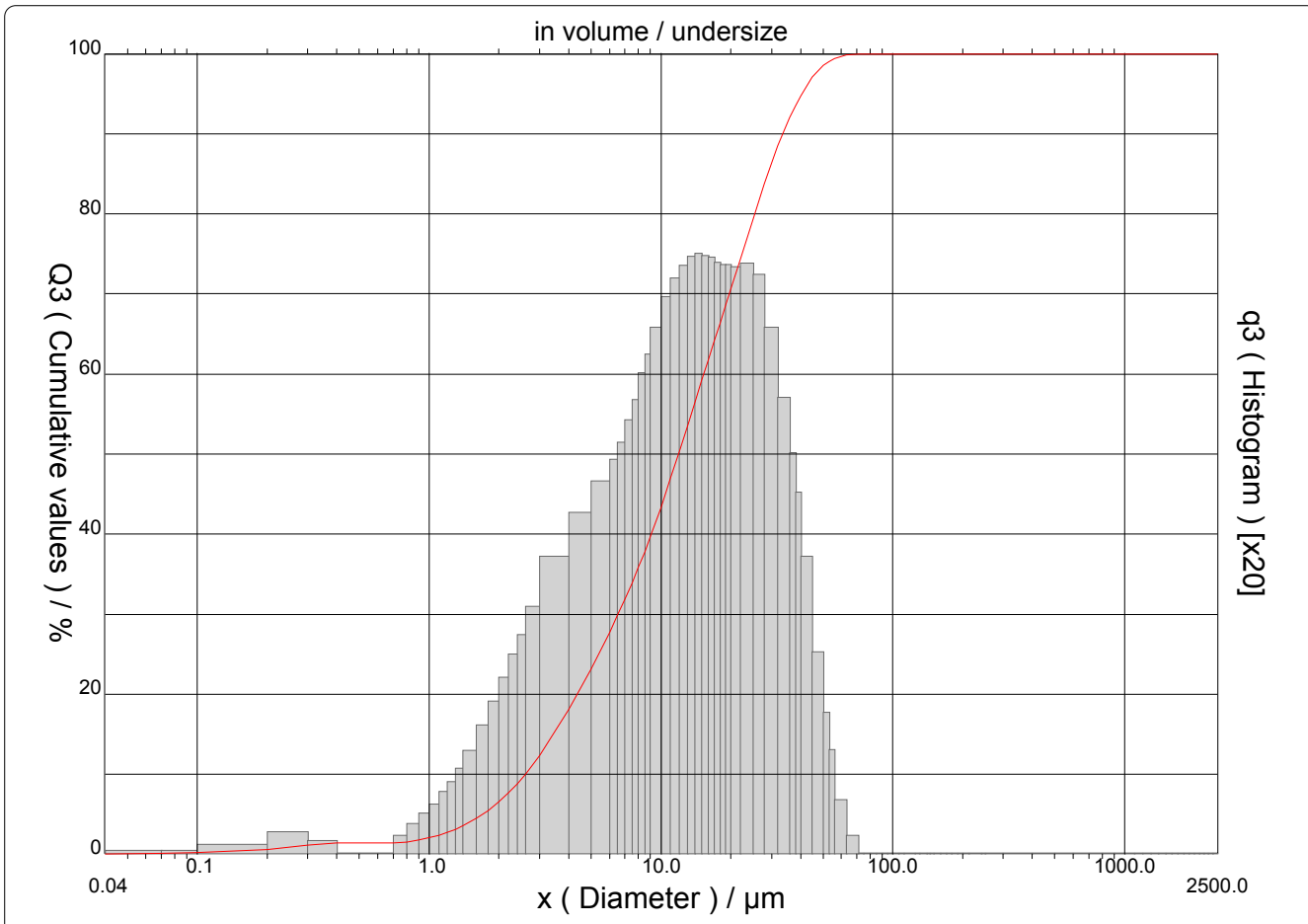
### Customer defined classes

### 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	0.04	17.55	99.83	100.00	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 /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : SR-16-3 20-25cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Robin  
 Company :  
 Location :  
 Date : 07/14/2016 Time : 11:28:05AM  
 Index meas. : 6353  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 2.60 µm  
 Diameter at 50% : 11.91 µm  
 Diameter at 90% : 33.65 µm  
 Mean diameter : 15.37 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	0.04	0.14	0.21	0.62	1.19	1.42	1.42	1.42	1.42	1.58
q3	0.01	0.02	0.02	0.06	0.13	0.07	0.00	0.00	0.00	0.11
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	1.81	2.09	2.40	2.76	3.14	3.56	4.48	5.49	6.56	7.68
q3	0.18	0.25	0.30	0.39	0.44	0.53	0.64	0.80	0.95	1.10
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	8.84	10.01	12.37	18.09	23.18	27.72	29.83	31.87	33.87	35.83
q3	1.24	1.36	1.54	1.85	2.13	2.32	2.46	2.57	2.70	2.83
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	37.78	39.69	43.40	46.95	50.30	53.45	56.41	59.18	61.76	64.18
q3	3.00	3.12	3.28	3.47	3.59	3.67	3.72	3.74	3.73	3.72
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	66.44	68.57	70.59	74.33	79.38	83.77	88.47	92.06	93.51	94.75
q3	3.69	3.67	3.67	3.66	3.68	3.61	3.28	2.84	2.50	2.25
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	97.09	98.51	99.06	99.44	99.86	100.00	100.00	100.00	100.00	100.00
q3	1.85	1.26	0.88	0.64	0.33	0.11	0.00	0.00	0.00	0.00
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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : SR-16-3 25-30cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Robin  
 Company :  
 Location :  
 Date : 07/14/2016 Time : 11:34:11AM  
 Index meas. : 6354  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 12 %  
 Diameter at 10% : 2.70  $\mu\text{m}$   
 Diameter at 50% : 11.92  $\mu\text{m}$   
 Diameter at 90% : 35.54  $\mu\text{m}$   
 Mean diameter : 16.51  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

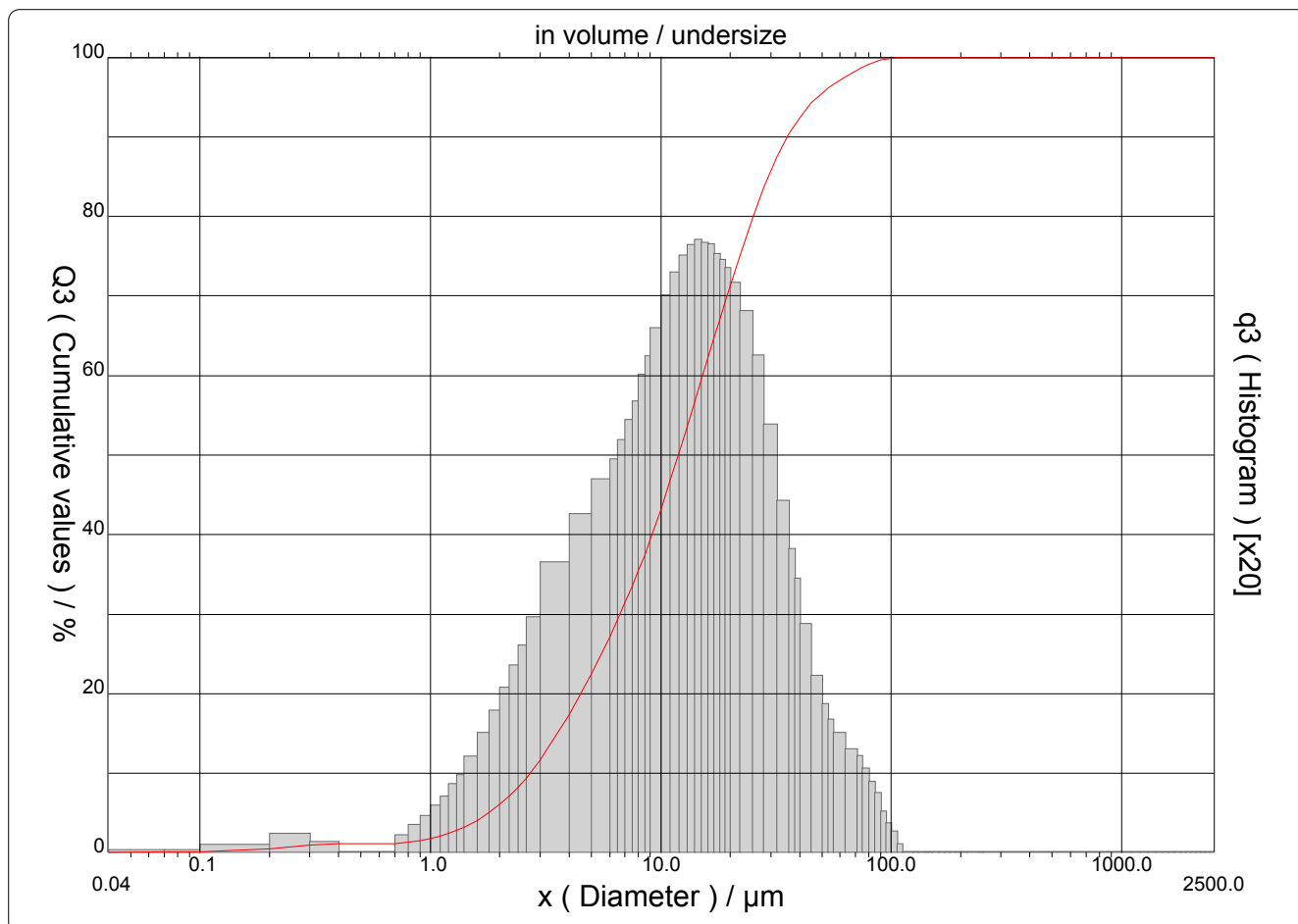
### Customer defined classes

### 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	0.04	16.84	97.43	99.56	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 /  $\mu\text{m}$  Q3 : cumulative value / % q3 : population density



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : SR-16-3 25-30cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Robin  
 Company :  
 Location :  
 Date : 07/14/2016 Time : 11:34:11AM  
 Index meas. : 6354  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 12 %  
 Diameter at 10% : 2.70 µm  
 Diameter at 50% : 11.92 µm  
 Diameter at 90% : 35.54 µm  
 Mean diameter : 16.51 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	0.04	0.12	0.17	0.52	1.02	1.21	1.21	1.21	1.21	1.36
q3	0.01	0.01	0.01	0.05	0.11	0.06	0.00	0.00	0.00	0.10
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	1.58	1.84	2.14	2.47	2.84	3.23	4.10	5.06	6.08	7.15
q3	0.17	0.23	0.29	0.35	0.42	0.48	0.60	0.75	0.89	1.03
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	8.26	9.39	11.69	17.39	22.55	27.20	29.35	31.44	33.48	35.47
q3	1.17	1.30	1.48	1.82	2.12	2.34	2.47	2.59	2.71	2.83
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	37.45	39.39	43.17	46.80	50.25	53.52	56.60	59.49	62.18	64.70
q3	3.00	3.12	3.29	3.50	3.64	3.75	3.82	3.85	3.83	3.82
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	67.04	69.23	71.28	74.99	79.72	83.57	87.48	90.31	91.43	92.39
q3	3.76	3.72	3.67	3.57	3.40	3.12	2.69	2.21	1.90	1.72
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	94.23	95.50	96.09	96.59	97.55	98.39	98.75	99.12	99.41	99.64
q3	1.43	1.11	0.93	0.83	0.75	0.65	0.60	0.53	0.44	0.37
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	99.79	99.89	99.97	100.00	100.00	100.00	100.00	100.00	100.00	100.00
q3	0.25	0.18	0.13	0.05	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : SR-16-3 30-35cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Robin  
 Company :  
 Location :  
 Date : 07/14/2016 Time : 11:40:44AM  
 Index meas. : 6355  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 2.71  $\mu\text{m}$   
 Diameter at 50% : 12.76  $\mu\text{m}$   
 Diameter at 90% : 42.50  $\mu\text{m}$   
 Mean diameter : 20.10  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

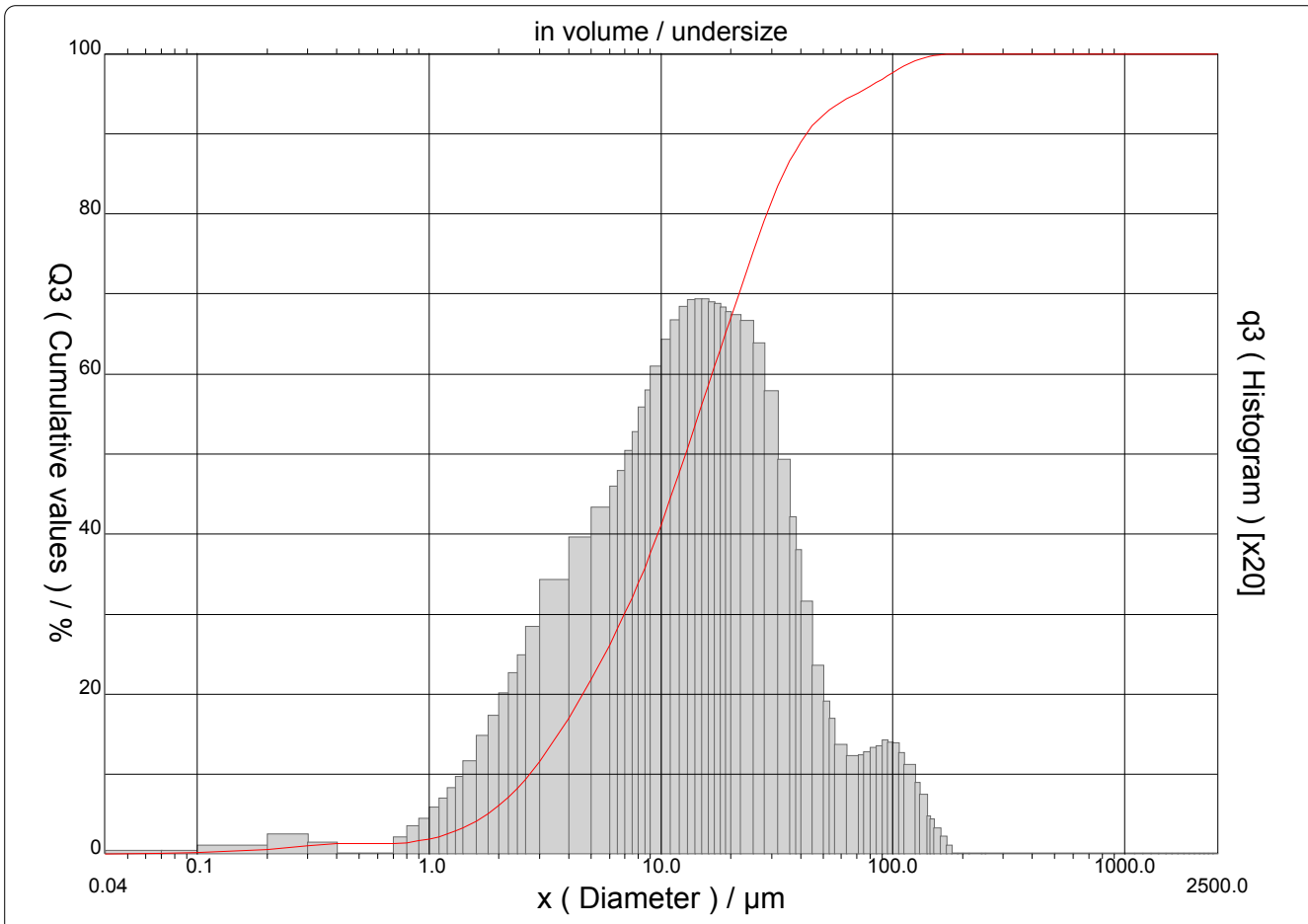
### Customer defined classes

### 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	0.04	16.45	94.24	96.66	99.13	99.99	100.00	100.00	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. : SR-16-3 30-35cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Robin  
 Company :  
 Location :  
 Date : 07/14/2016 Time : 11:40:44AM  
 Index meas. : 6355  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 2.71 µm  
 Diameter at 50% : 12.76 µm  
 Diameter at 90% : 42.50 µm  
 Mean diameter : 20.10 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	0.04	0.13	0.19	0.57	1.10	1.31	1.31	1.31	1.31	1.46
q3	0.01	0.01	0.02	0.05	0.12	0.07	0.00	0.00	0.00	0.10
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	1.68	1.93	2.23	2.56	2.92	3.31	4.16	5.11	6.11	7.16
q3	0.17	0.22	0.29	0.34	0.41	0.48	0.58	0.73	0.86	1.00
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	8.24	9.33	11.56	16.97	21.82	26.16	28.18	30.13	32.04	33.91
q3	1.13	1.24	1.41	1.71	1.97	2.16	2.29	2.39	2.51	2.63
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	35.77	37.59	41.12	44.49	47.68	50.69	53.51	56.14	58.60	60.90
q3	2.78	2.89	3.04	3.21	3.33	3.41	3.45	3.46	3.46	3.44
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	63.06	65.09	67.00	70.53	75.21	79.19	83.44	86.63	87.88	88.95
q3	3.43	3.41	3.38	3.36	3.32	3.19	2.89	2.46	2.10	1.89
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	90.99	92.35	92.96	93.47	94.35	95.15	95.52	95.97	96.41	96.83
q3	1.57	1.17	0.95	0.84	0.68	0.61	0.61	0.63	0.66	0.67
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	97.25	97.64	98.08	98.46	99.13	99.32	99.62	99.71	99.79	99.90
q3	0.71	0.69	0.69	0.63	0.55	0.44	0.37	0.23	0.21	0.15
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	99.97	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
q3	0.10	0.05	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : SR-16-3 35-40cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Robin  
 Company :  
 Location :  
 Date : 07/14/2016 Time : 11:47:25AM  
 Index meas. : 6356  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 12 %  
 Diameter at 10% : 3.16  $\mu\text{m}$   
 Diameter at 50% : 17.32  $\mu\text{m}$   
 Diameter at 90% : 137.30  $\mu\text{m}$   
 Mean diameter : 44.60  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

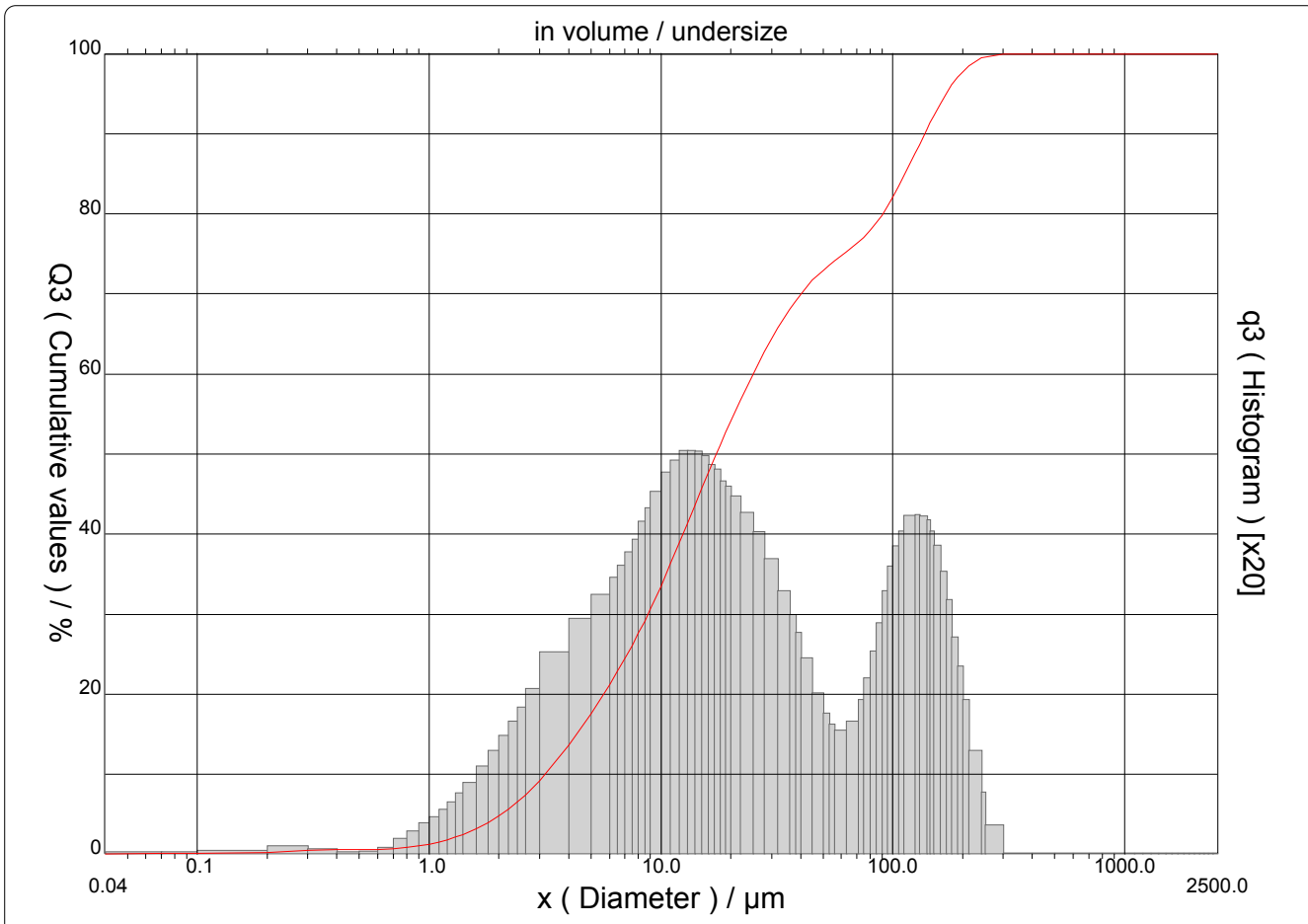
### Customer defined classes

### 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	0.04	13.19	75.08	79.45	87.59	95.82	99.61	100.00	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. : SR-16-3 35-40cm  
Sample Name :  
Sample type : Mixed  
Comments :  
Liquid : Water (eau)  
Dispersing agent :  
Operator : Robin  
Company :  
Location :  
Date : 07/14/2016 Time : 11:47:25AM  
Index meas. : 6356  
Database name : Granulog

Ultrasounds : 15 s (+during)  
Obscuration : 12 %  
Diameter at 10% : 3.16 µm  
Diameter at 50% : 17.32 µm  
Diameter at 90% : 137.30 µm  
Mean diameter : 44.60 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	0.04	0.10	0.13	0.27	0.49	0.58	0.60	0.63	0.70	0.85
q3	0.01	0.01	0.01	0.02	0.04	0.03	0.01	0.01	0.04	0.09
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	1.05	1.29	1.55	1.84	2.15	2.49	3.21	3.99	4.81	5.66
q3	0.14	0.19	0.22	0.27	0.32	0.38	0.44	0.54	0.64	0.73
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	6.53	7.42	9.21	13.61	17.59	21.18	22.86	24.48	26.06	27.60
q3	0.82	0.91	1.03	1.26	1.46	1.62	1.72	1.79	1.88	1.96
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	29.13	30.63	33.53	36.29	38.89	41.34	43.61	45.72	47.67	49.46
q3	2.07	2.15	2.26	2.38	2.45	2.51	2.51	2.51	2.48	2.42
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	51.13	52.66	54.09	56.68	59.99	62.76	65.75	68.10	69.08	69.94
q3	2.40	2.32	2.29	2.23	2.13	2.01	1.84	1.64	1.49	1.38
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	71.69	72.97	73.59	74.13	75.23	76.43	77.07	77.93	78.86	79.86
q3	1.22	1.00	0.87	0.81	0.77	0.82	0.96	1.09	1.26	1.44
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	80.94	82.06	83.42	84.77	87.59	88.60	90.50	91.39	92.22	93.73
q3	1.64	1.79	1.92	2.01	2.11	2.11	2.10	2.08	2.01	1.92
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	95.03	96.13	97.02	97.75	98.43	99.46	99.61	100.00	100.00	100.00
q3	1.76	1.58	1.35	1.17	0.96	0.64	0.38	0.18	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : SR-16-3 50-55cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Robin  
 Company :  
 Location :  
 Date : 07/14/2016 Time : 12:10:33AM  
 Index meas. : 6359  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 2.74  $\mu\text{m}$   
 Diameter at 50% : 13.55  $\mu\text{m}$   
 Diameter at 90% : 102.27  $\mu\text{m}$   
 Mean diameter : 30.83  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

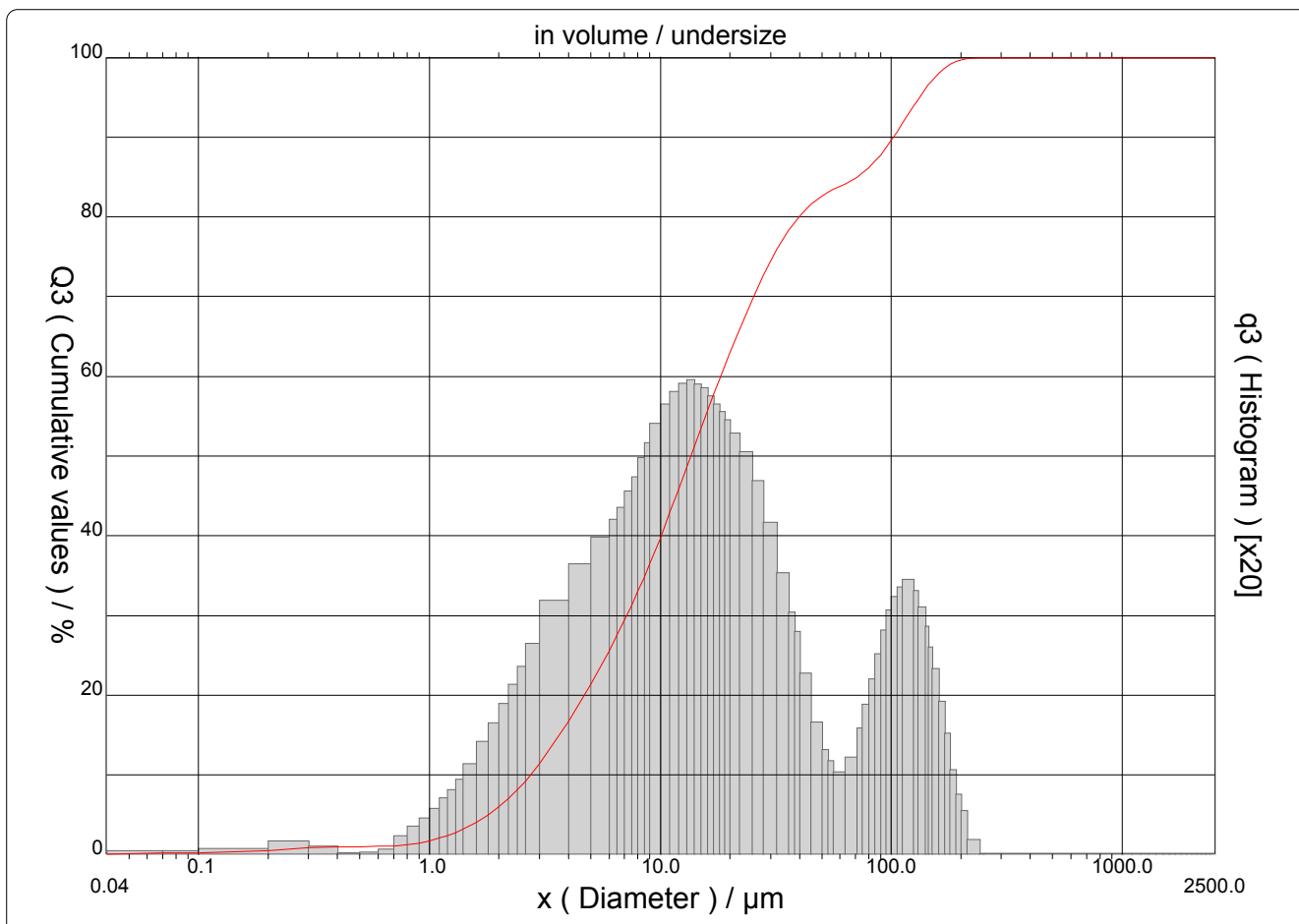
### Customer defined classes

### 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	0.07	16.19	84.05	87.45	93.93	99.00	100.00	100.00	100.00	100.00

x	1000.0	1410.0	2000.0
Q3	100.00	100.00	100.00

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



# PARTICLE SIZE DISTRIBUTION

## CILAS 1180 Liquid

Range : 0.04 µm - 2500.00 µm / 100 Classes

Sample ref. : SR-16-3 50-55cm  
Sample Name :  
Sample type : Mixed  
Comments :  
Liquid : Water (eau)  
Dispersing agent :  
Operator : Robin  
Company :  
Location :  
Date : 07/14/2016 Time : 12:10:33AM  
Index meas. : 6359  
Database name : Granulog

Ultrasounds : 15 s (+during)  
Obscuration : 14 %  
Diameter at 10% : 2.74 µm  
Diameter at 50% : 13.55 µm  
Diameter at 90% : 102.27 µm  
Mean diameter : 30.83 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	0.07	0.19	0.25	0.50	0.86	1.01	1.02	1.03	1.08	1.25
q3	0.01	0.02	0.01	0.03	0.08	0.04	0.00	0.00	0.03	0.11
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	1.48	1.75	2.06	2.41	2.78	3.18	4.05	5.01	6.01	7.05
q3	0.17	0.22	0.28	0.35	0.40	0.46	0.56	0.70	0.82	0.94
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	8.12	9.21	11.40	16.70	21.41	25.61	27.56	29.43	31.25	33.02
q3	1.06	1.17	1.32	1.59	1.82	1.98	2.10	2.17	2.27	2.36
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	34.77	36.48	39.78	42.90	45.83	48.57	51.13	53.49	55.68	57.70
q3	2.48	2.57	2.69	2.82	2.90	2.95	2.97	2.94	2.92	2.87
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	59.57	61.31	62.93	65.85	69.59	72.67	75.89	78.30	79.25	80.08
q3	2.81	2.77	2.72	2.64	2.52	2.34	2.07	1.76	1.51	1.39
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	81.63	82.64	83.08	83.45	84.15	84.99	85.49	86.19	86.96	87.79
q3	1.13	0.82	0.65	0.58	0.51	0.60	0.78	0.93	1.09	1.25
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	88.67	89.58	90.67	91.74	93.93	94.68	96.01	96.59	97.10	97.97
q3	1.40	1.53	1.61	1.67	1.72	1.65	1.54	1.42	1.29	1.16
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	98.64	99.14	99.47	99.69	99.87	100.00	100.00	100.00	100.00	100.00
q3	0.95	0.75	0.53	0.37	0.27	0.08	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : SR-16-3 55-60cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Robin  
 Company :  
 Location :  
 Date : 07/14/2016 Time : 12:17:08AM  
 Index meas. : 6360  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 10 %  
 Diameter at 10% : 3.38  $\mu\text{m}$   
 Diameter at 50% : 31.65  $\mu\text{m}$   
 Diameter at 90% : 172.23  $\mu\text{m}$   
 Mean diameter : 67.57  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

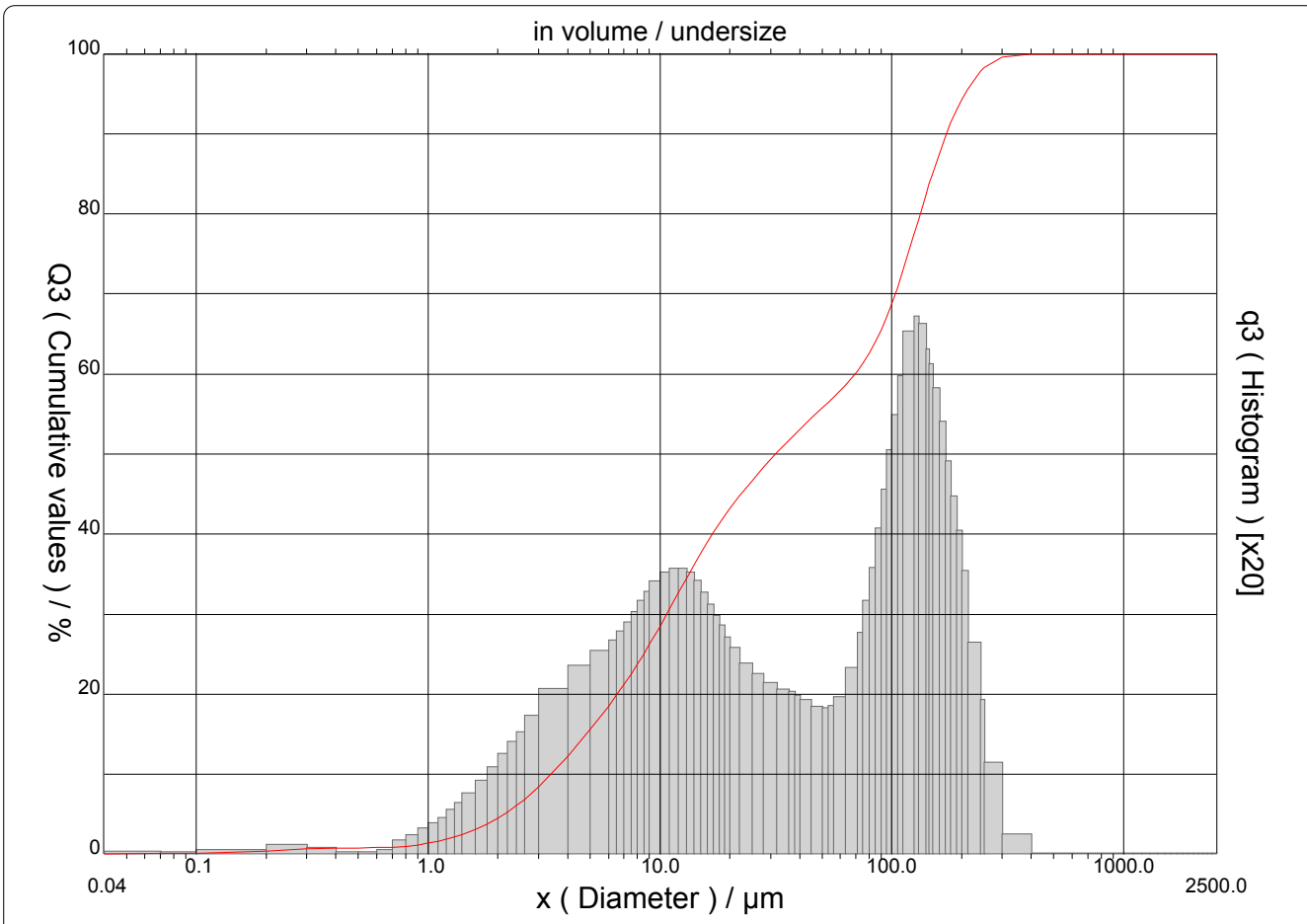
### Customer defined classes

### 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	0.05	11.86	58.34	64.88	77.49	90.88	98.23	99.92	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. : SR-16-3 55-60cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Robin  
 Company :  
 Location :  
 Date : 07/14/2016 Time : 12:17:08AM  
 Index meas. : 6360  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 10 %  
 Diameter at 10% : 3.38 µm  
 Diameter at 50% : 31.65 µm  
 Diameter at 90% : 172.23 µm  
 Mean diameter : 67.57 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	0.05	0.14	0.18	0.38	0.67	0.80	0.82	0.84	0.88	1.02
q3	0.01	0.01	0.01	0.02	0.06	0.04	0.01	0.01	0.02	0.08
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	1.19	1.40	1.63	1.88	2.16	2.46	3.10	3.79	4.52	5.28
q3	0.11	0.16	0.19	0.22	0.27	0.31	0.37	0.46	0.54	0.62
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	6.06	6.84	8.42	12.22	15.58	18.54	19.91	21.23	22.51	23.76
q3	0.70	0.76	0.86	1.03	1.17	1.26	1.33	1.39	1.44	1.51
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	24.99	26.19	28.49	30.64	32.63	34.46	36.13	37.64	38.99	40.20
q3	1.58	1.63	1.70	1.76	1.78	1.78	1.75	1.70	1.63	1.55
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	41.29	42.28	43.17	44.74	46.69	48.32	50.15	51.70	52.40	53.05
q3	1.48	1.42	1.35	1.28	1.19	1.12	1.07	1.02	1.01	0.99
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	54.50	55.74	56.42	57.07	58.55	60.33	61.30	62.61	64.00	65.49
q3	0.96	0.92	0.91	0.92	0.98	1.16	1.38	1.58	1.78	2.03
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	67.07	68.73	70.78	72.89	77.49	79.18	82.33	83.75	85.08	87.49
q3	2.27	2.52	2.74	2.98	3.26	3.35	3.31	3.15	3.05	2.91
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	89.59	91.39	92.94	94.27	95.59	97.83	98.23	99.56	100.00	100.00
q3	2.70	2.45	2.23	2.02	1.76	1.32	0.96	0.57	0.12	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. : SR-16-3 60-65cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Robin  
 Company :  
 Location :  
 Date : 07/14/2016 Time : 12:31:48AM  
 Index meas. : 6361  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 10 %  
 Diameter at 10% : 3.85  $\mu\text{m}$   
 Diameter at 50% : 80.10  $\mu\text{m}$   
 Diameter at 90% : 202.19  $\mu\text{m}$   
 Mean diameter : 90.58  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

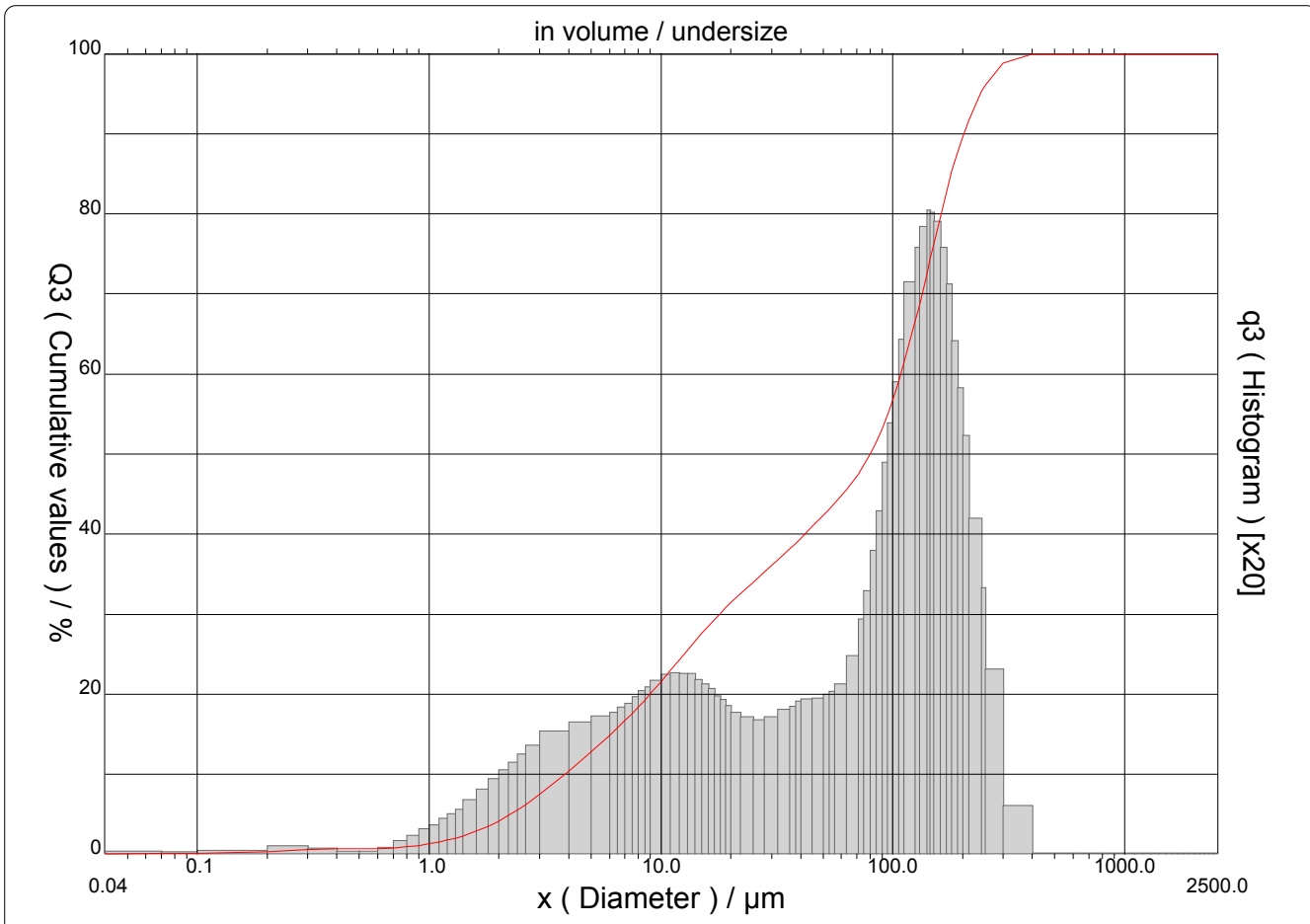
### Customer defined classes

### 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	0.04	10.12	45.28	52.46	66.61	84.55	96.06	99.76	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. : SR-16-3 60-65cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Robin  
 Company :  
 Location :  
 Date : 07/14/2016 Time : 12:31:48AM  
 Index meas. : 6361  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 10 %  
 Diameter at 10% : 3.85 µm  
 Diameter at 50% : 80.10 µm  
 Diameter at 90% : 202.19 µm  
 Mean diameter : 90.58 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	0.04	0.11	0.14	0.31	0.56	0.67	0.70	0.73	0.80	0.94
q3	0.01	0.01	0.01	0.02	0.05	0.03	0.01	0.01	0.03	0.08
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	1.11	1.32	1.54	1.79	2.05	2.32	2.91	3.54	4.19	4.85
q3	0.11	0.15	0.17	0.22	0.24	0.27	0.33	0.40	0.46	0.52
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	5.51	6.17	7.46	10.38	12.81	14.89	15.83	16.73	17.59	18.43
q3	0.57	0.62	0.68	0.76	0.82	0.85	0.88	0.91	0.93	0.97
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	19.25	20.04	21.56	22.98	24.29	25.49	26.60	27.60	28.51	29.34
q3	1.01	1.04	1.08	1.12	1.13	1.12	1.12	1.09	1.06	1.03
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	30.09	30.78	31.41	32.53	33.98	35.24	36.76	38.17	38.83	39.48
q3	0.98	0.96	0.92	0.88	0.85	0.83	0.85	0.90	0.91	0.95
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	40.99	42.35	43.12	43.86	45.52	47.49	48.56	49.97	51.50	53.13
q3	0.96	0.97	0.99	1.01	1.06	1.23	1.46	1.64	1.89	2.14
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	54.89	56.73	59.02	61.38	66.61	68.59	72.46	74.34	76.15	79.55
q3	2.44	2.69	2.94	3.21	3.57	3.78	3.91	4.01	4.00	3.95
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	82.61	85.32	87.63	89.62	91.65	95.34	96.06	98.86	100.00	100.00
q3	3.78	3.55	3.20	2.91	2.61	2.09	1.66	1.15	0.30	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. : SR-16-3 65-70cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Robin  
 Company :  
 Location :  
 Date : 07/14/2016 Time : 12:38:58AM  
 Index meas. : 6362  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 10 %  
 Diameter at 10% : 3.27  $\mu\text{m}$   
 Diameter at 50% : 23.50  $\mu\text{m}$   
 Diameter at 90% : 171.81  $\mu\text{m}$   
 Mean diameter : 62.85  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

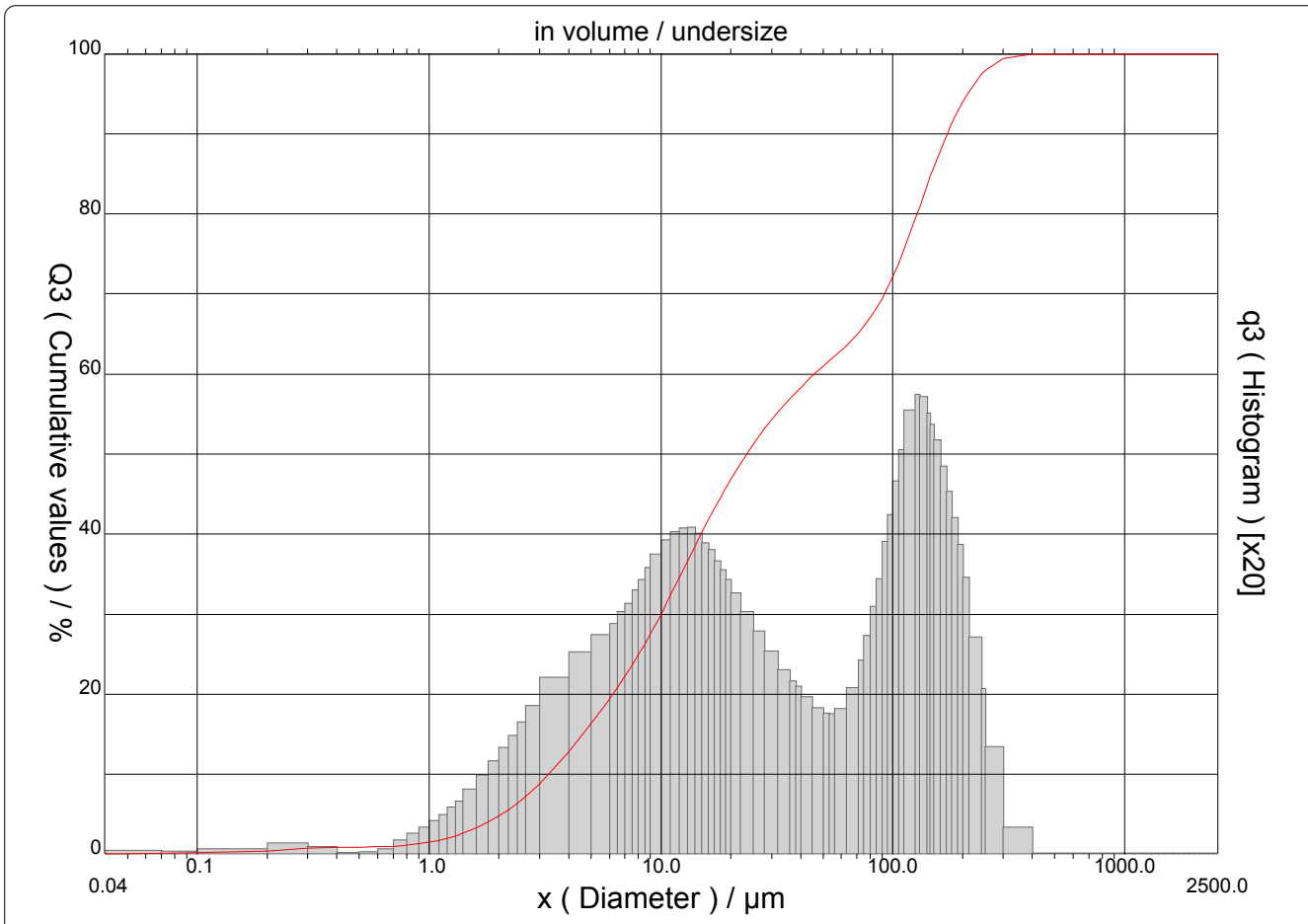
### Customer defined classes

### 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	0.06	12.41	63.36	68.93	79.36	90.86	97.90	99.88	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. : SR-16-3 65-70cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Robin  
 Company :  
 Location :  
 Date : 07/14/2016 Time : 12:38:58AM  
 Index meas. : 6362  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 10 %  
 Diameter at 10% : 3.27 µm  
 Diameter at 50% : 23.50 µm  
 Diameter at 90% : 171.81 µm  
 Mean diameter : 62.85 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	0.06	0.16	0.21	0.44	0.77	0.92	0.93	0.95	1.00	1.14
q3	0.01	0.01	0.01	0.03	0.06	0.04	0.00	0.01	0.03	0.08
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	1.32	1.53	1.77	2.03	2.32	2.62	3.29	4.01	4.77	5.56
q3	0.12	0.16	0.20	0.24	0.29	0.32	0.40	0.49	0.57	0.66
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	6.36	7.18	8.83	12.79	16.31	19.43	20.87	22.27	23.62	24.95
q3	0.73	0.82	0.92	1.10	1.26	1.36	1.43	1.51	1.56	1.64
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	26.25	27.53	30.00	32.34	34.53	36.57	38.46	40.19	41.76	43.20
q3	1.71	1.78	1.87	1.96	2.01	2.03	2.03	2.00	1.94	1.89
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	44.51	45.71	46.81	48.75	51.17	53.14	55.25	56.94	57.67	58.34
q3	1.83	1.77	1.71	1.62	1.51	1.39	1.26	1.14	1.08	1.04
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	59.78	60.98	61.62	62.22	63.55	65.10	65.93	67.03	68.20	69.43
q3	0.97	0.91	0.88	0.87	0.90	1.03	1.21	1.36	1.54	1.71
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	70.75	72.11	73.81	75.55	79.36	80.77	83.42	84.63	85.77	87.86
q3	1.95	2.11	2.32	2.52	2.76	2.86	2.85	2.75	2.68	2.58
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	89.70	91.32	92.74	93.98	95.24	97.48	97.90	99.42	100.00	100.00
q3	2.42	2.26	2.09	1.93	1.72	1.35	1.03	0.66	0.16	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. : SR-16-3 70-75cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Robin  
 Company :  
 Location :  
 Date : 07/14/2016 Time : 12:45:11AM  
 Index meas. : 6363  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 11 %  
 Diameter at 10% : 4.29  $\mu\text{m}$   
 Diameter at 50% : 68.47  $\mu\text{m}$   
 Diameter at 90% : 201.52  $\mu\text{m}$   
 Mean diameter : 86.61  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

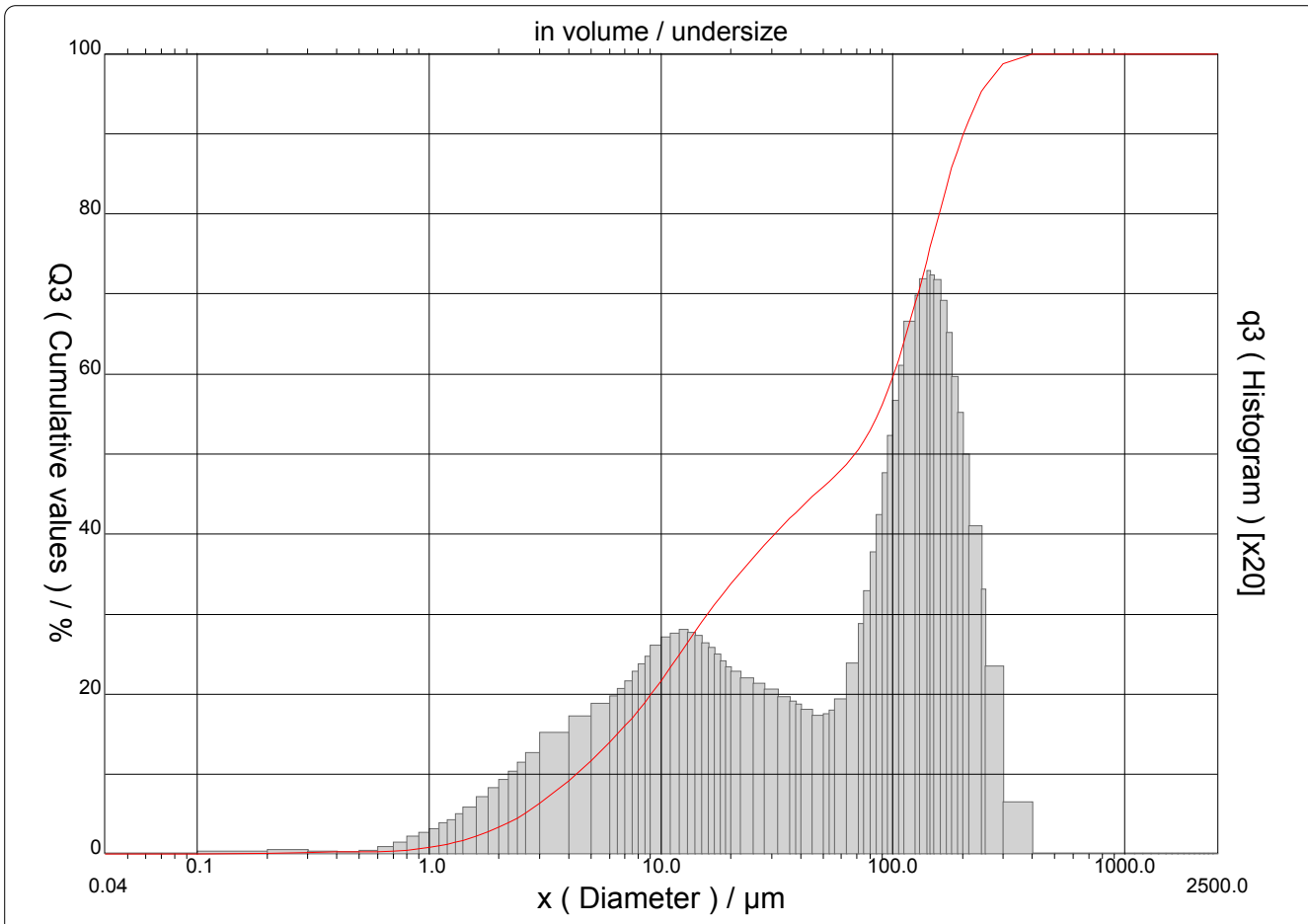
### Customer defined classes

### 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	8.93	48.47	55.47	68.82	85.04	95.96	99.74	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. : SR-16-3 70-75cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Robin  
 Company :  
 Location :  
 Date : 07/14/2016 Time : 12:45:11AM  
 Index meas. : 6363  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 11 %  
 Diameter at 10% : 4.29 µm  
 Diameter at 50% : 68.47 µm  
 Diameter at 90% : 201.52 µm  
 Mean diameter : 86.61 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	0.12	0.24	0.29	0.31	0.35	0.43	0.55
q3	0.00	0.00	0.00	0.01	0.02	0.01	0.01	0.02	0.04	0.07
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.71	0.89	1.08	1.30	1.52	1.76	2.27	2.82	3.39	3.97
q3	0.10	0.13	0.15	0.19	0.21	0.24	0.29	0.35	0.41	0.46
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	4.56	5.16	6.35	9.21	11.73	13.98	15.02	16.03	17.01	17.98
q3	0.51	0.57	0.63	0.75	0.85	0.93	0.98	1.03	1.07	1.14
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	18.93	19.86	21.67	23.37	24.95	26.43	27.78	29.02	30.14	31.17
q3	1.18	1.23	1.30	1.35	1.37	1.40	1.38	1.36	1.31	1.28
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	32.11	32.97	33.76	35.19	37.04	38.63	40.44	41.96	42.64	43.27
q3	1.24	1.20	1.16	1.13	1.09	1.06	1.02	0.97	0.95	0.93
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	44.67	45.87	46.54	47.19	48.69	50.57	51.61	53.01	54.52	56.12
q3	0.90	0.86	0.87	0.89	0.96	1.19	1.43	1.64	1.88	2.11
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	57.82	59.59	61.77	63.99	68.82	70.63	74.15	75.84	77.46	80.52
q3	2.37	2.61	2.83	3.05	3.32	3.49	3.59	3.64	3.61	3.58
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	83.29	85.75	87.88	89.75	91.67	95.25	95.96	98.78	100.00	100.00
q3	3.45	3.25	2.98	2.75	2.49	2.04	1.65	1.17	0.32	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. : SR-16-3 75-80cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Robin  
 Company :  
 Location :  
 Date : 07/14/2016 Time : 12:55:01AM  
 Index meas. : 6364  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 14 %  
 Diameter at 10% : 4.81  $\mu\text{m}$   
 Diameter at 50% : 107.35  $\mu\text{m}$   
 Diameter at 90% : 263.99  $\mu\text{m}$   
 Mean diameter : 121.05  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

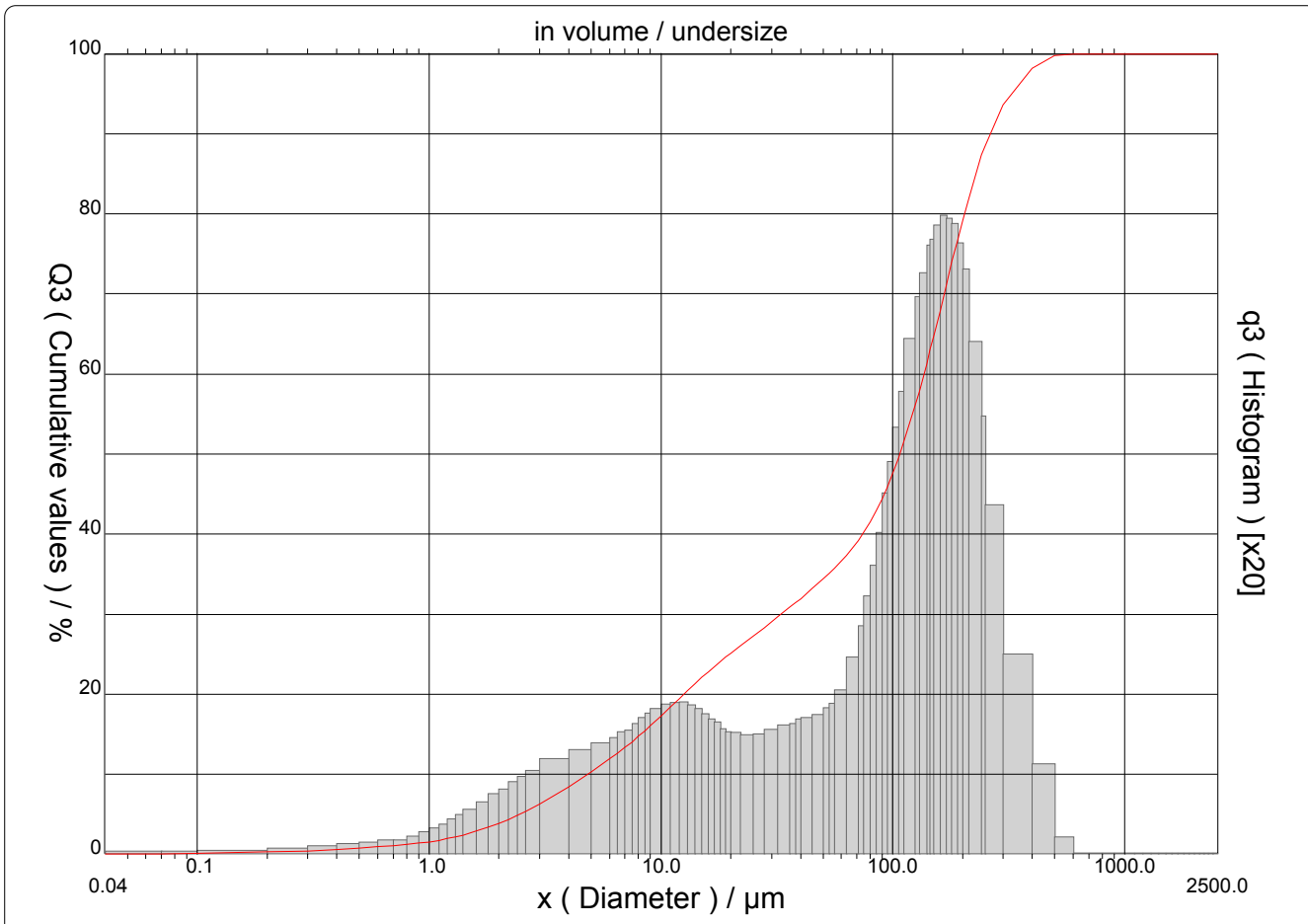
### Customer defined classes

### 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	8.27	37.07	43.77	56.10	73.08	88.48	96.44	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. : SR-16-3 75-80cm  
Sample Name :  
Sample type : Mixed  
Comments :  
Liquid : Water (eau)  
Dispersing agent :  
Operator : Robin  
Company :  
Location :  
Date : 07/14/2016 Time : 12:55:01AM  
Index meas. : 6364  
Database name : Granulog

Ultrasounds : 15 s (+during)  
Obscuration : 14 %  
Diameter at 10% : 4.81 µm  
Diameter at 50% : 107.35 µm  
Diameter at 90% : 263.99 µm  
Mean diameter : 121.05 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	0.09	0.14	0.30	0.45	0.61	0.78	0.94	1.10	1.24
q3	0.00	0.01	0.01	0.02	0.03	0.04	0.06	0.07	0.08	0.08
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	1.40	1.58	1.77	1.97	2.19	2.42	2.89	3.37	3.87	4.36
q3	0.11	0.13	0.16	0.18	0.21	0.24	0.27	0.32	0.37	0.40
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	4.86	5.35	6.30	8.47	10.32	11.93	12.67	13.39	14.07	14.74
q3	0.45	0.48	0.52	0.59	0.65	0.69	0.72	0.76	0.77	0.81
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	15.40	16.04	17.26	18.40	19.45	20.42	21.30	22.10	22.82	23.47
q3	0.85	0.87	0.90	0.93	0.94	0.94	0.92	0.90	0.87	0.83
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	24.07	24.61	25.11	26.03	27.24	28.32	29.64	30.85	31.41	31.96
q3	0.82	0.78	0.76	0.75	0.74	0.74	0.77	0.80	0.81	0.83
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	33.24	34.41	35.09	35.75	37.29	39.17	40.17	41.50	42.90	44.37
q3	0.85	0.86	0.91	0.93	1.02	1.22	1.42	1.60	1.80	2.00
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	45.93	47.54	49.53	51.57	56.10	57.85	61.30	63.01	64.68	67.93
q3	2.25	2.44	2.66	2.88	3.21	3.47	3.62	3.79	3.83	3.92
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	71.03	73.94	76.67	79.18	81.91	87.34	88.48	93.57	98.16	99.76
q3	3.98	3.96	3.93	3.81	3.65	3.19	2.73	2.17	1.24	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. : SR-16-3 80-85cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Robin  
 Company :  
 Location :  
 Date : 07/14/2016 Time : 01:01:25PM  
 Index meas. : 6365  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 11 %  
 Diameter at 10% : 3.85  $\mu\text{m}$   
 Diameter at 50% : 32.55  $\mu\text{m}$   
 Diameter at 90% : 209.86  $\mu\text{m}$   
 Mean diameter : 79.30  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

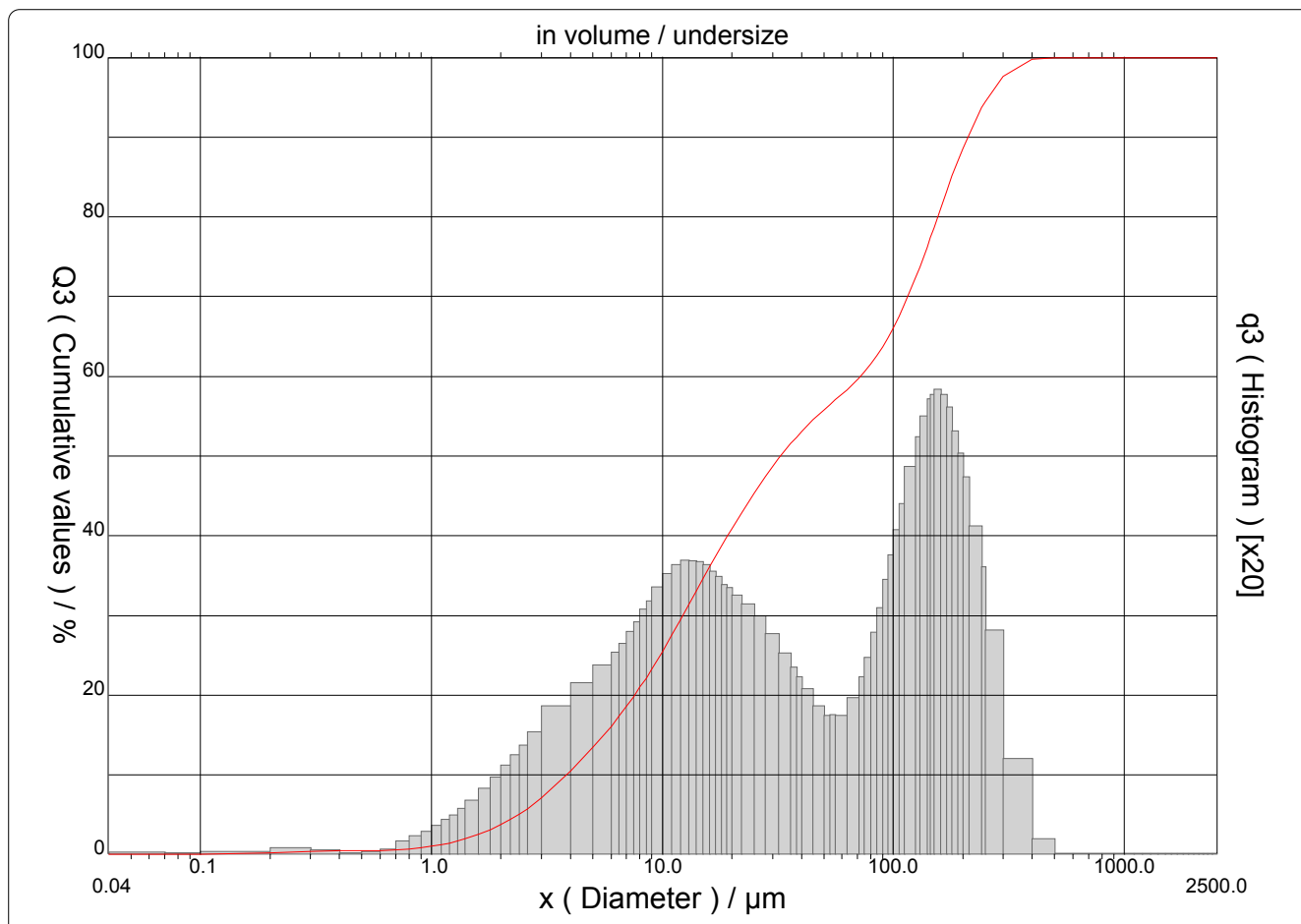
### Customer defined classes

### 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	0.03	10.13	58.14	63.24	72.36	84.60	94.43	99.12	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. : SR-16-3 80-85cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Robin  
 Company :  
 Location :  
 Date : 07/14/2016 Time : 01:01:25PM  
 Index meas. : 6365  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 11 %  
 Diameter at 10% : 3.85 µm  
 Diameter at 50% : 32.55 µm  
 Diameter at 90% : 209.86 µm  
 Mean diameter : 79.30 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	0.03	0.07	0.09	0.21	0.39	0.47	0.48	0.51	0.56	0.69
q3	0.00	0.01	0.00	0.01	0.04	0.02	0.00	0.01	0.03	0.08
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.85	1.03	1.24	1.47	1.71	1.97	2.53	3.13	3.76	4.42
q3	0.11	0.14	0.18	0.21	0.24	0.28	0.34	0.41	0.48	0.55
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	5.09	5.77	7.13	10.45	13.43	16.12	17.38	18.60	19.80	20.97
q3	0.62	0.68	0.76	0.92	1.07	1.18	1.26	1.32	1.39	1.45
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	22.13	23.26	25.46	27.55	29.52	31.36	33.06	34.64	36.10	37.44
q3	1.53	1.58	1.67	1.75	1.81	1.84	1.83	1.83	1.81	1.77
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	38.68	39.82	40.89	42.82	45.32	47.43	49.73	51.58	52.37	53.08
q3	1.73	1.69	1.67	1.62	1.56	1.49	1.38	1.26	1.17	1.11
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	54.60	55.82	56.45	57.05	58.32	59.78	60.54	61.53	62.58	63.68
q3	1.03	0.93	0.86	0.87	0.86	0.98	1.11	1.23	1.38	1.54
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	64.84	66.04	67.52	69.03	72.36	73.64	76.18	77.43	78.65	81.00
q3	1.72	1.87	2.03	2.19	2.42	2.61	2.74	2.85	2.88	2.91
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	83.18	85.18	86.97	88.58	90.30	93.70	94.43	97.62	99.75	100.00
q3	2.88	2.80	2.65	2.51	2.36	2.05	1.79	1.40	0.59	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. : SR-16-3 85-90cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Robin  
 Company :  
 Location :  
 Date : 07/14/2016 Time : 01:19:31PM  
 Index meas. : 6366  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 10 %  
 Diameter at 10% : 4.73  $\mu\text{m}$   
 Diameter at 50% : 111.11  $\mu\text{m}$   
 Diameter at 90% : 278.02  $\mu\text{m}$   
 Mean diameter : 124.73  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

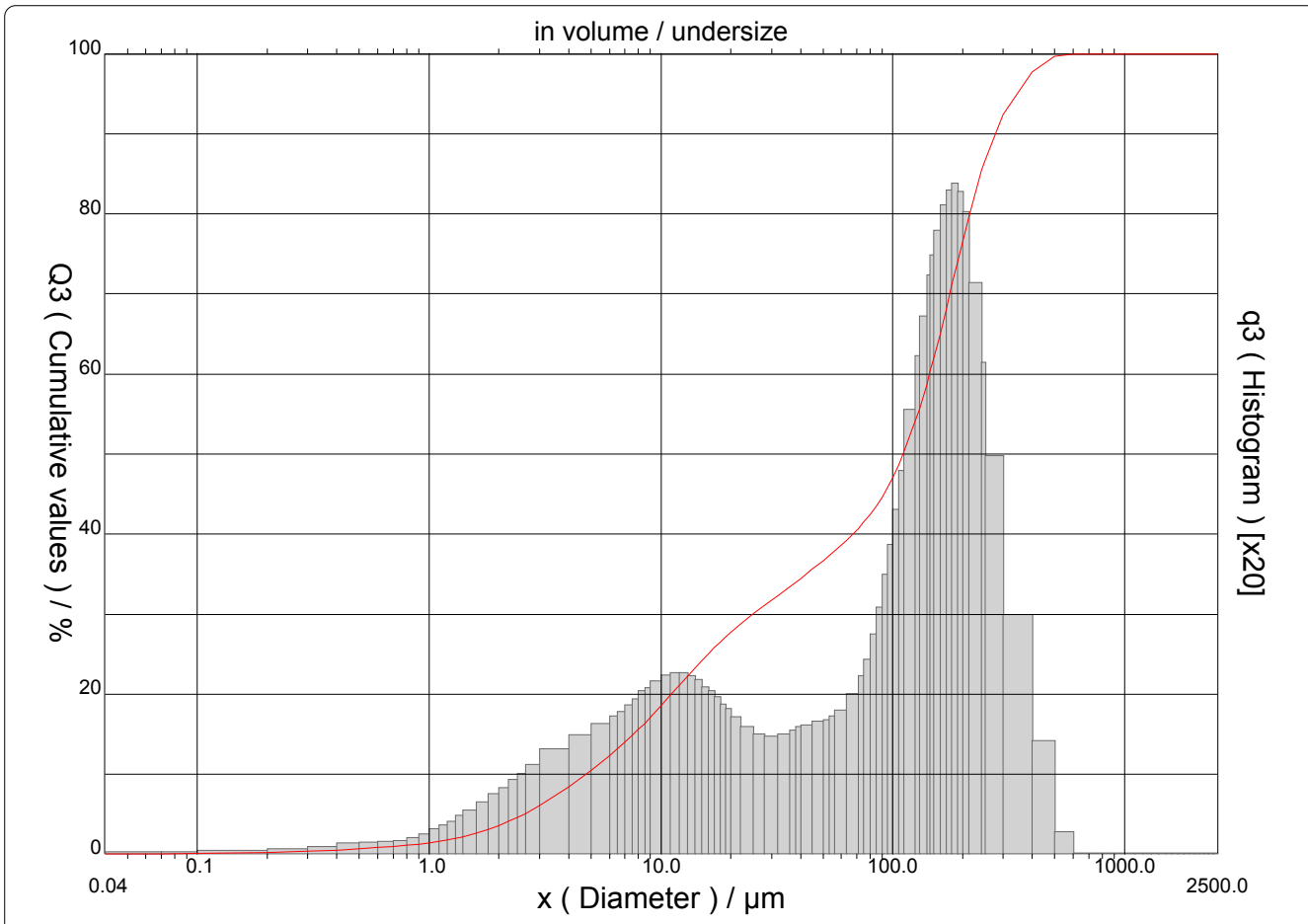
### Customer defined classes

### 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	0.02	8.23	39.04	44.15	54.06	70.21	86.69	95.69	99.70	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. : SR-16-3 85-90cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Robin  
 Company :  
 Location :  
 Date : 07/14/2016 Time : 01:19:31PM  
 Index meas. : 6366  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 10 %  
 Diameter at 10% : 4.73 µm  
 Diameter at 50% : 111.11 µm  
 Diameter at 90% : 278.02 µm  
 Mean diameter : 124.73 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	0.02	0.07	0.11	0.25	0.38	0.53	0.70	0.85	0.99	1.12
q3	0.00	0.01	0.01	0.02	0.03	0.04	0.06	0.07	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	1.26	1.42	1.60	1.79	1.99	2.21	2.66	3.13	3.62	4.11
q3	0.09	0.12	0.15	0.17	0.20	0.24	0.27	0.32	0.37	0.41
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	4.61	5.11	6.10	8.45	10.52	12.37	13.23	14.05	14.85	15.63
q3	0.46	0.50	0.55	0.65	0.74	0.81	0.86	0.88	0.92	0.96
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	16.40	17.14	18.56	19.89	21.12	22.25	23.28	24.22	25.06	25.83
q3	1.01	1.03	1.07	1.11	1.13	1.12	1.11	1.09	1.04	1.01
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	26.53	27.16	27.74	28.76	30.03	31.09	32.31	33.41	33.93	34.44
q3	0.98	0.93	0.90	0.85	0.79	0.75	0.73	0.74	0.77	0.79
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	35.62	36.71	37.32	37.91	39.23	40.72	41.48	42.46	43.50	44.60
q3	0.80	0.82	0.83	0.85	0.89	0.99	1.10	1.21	1.37	1.53
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	45.78	47.02	48.59	50.24	54.06	55.59	58.71	60.30	61.89	65.04
q3	1.74	1.93	2.15	2.39	2.77	3.11	3.35	3.61	3.74	3.89
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	68.12	71.09	73.93	76.59	79.52	85.44	86.69	92.37	97.74	99.70
q3	4.05	4.14	4.18	4.13	4.01	3.56	3.06	2.48	1.49	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. : SR-16-3 90-95cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Robin  
 Company :  
 Location :  
 Date : 07/14/2016 Time : 01:25:38PM  
 Index meas. : 6367  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 11 %  
 Diameter at 10% : 5.17  $\mu\text{m}$   
 Diameter at 50% : 120.36  $\mu\text{m}$   
 Diameter at 90% : 331.93  $\mu\text{m}$   
 Mean diameter : 140.79  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

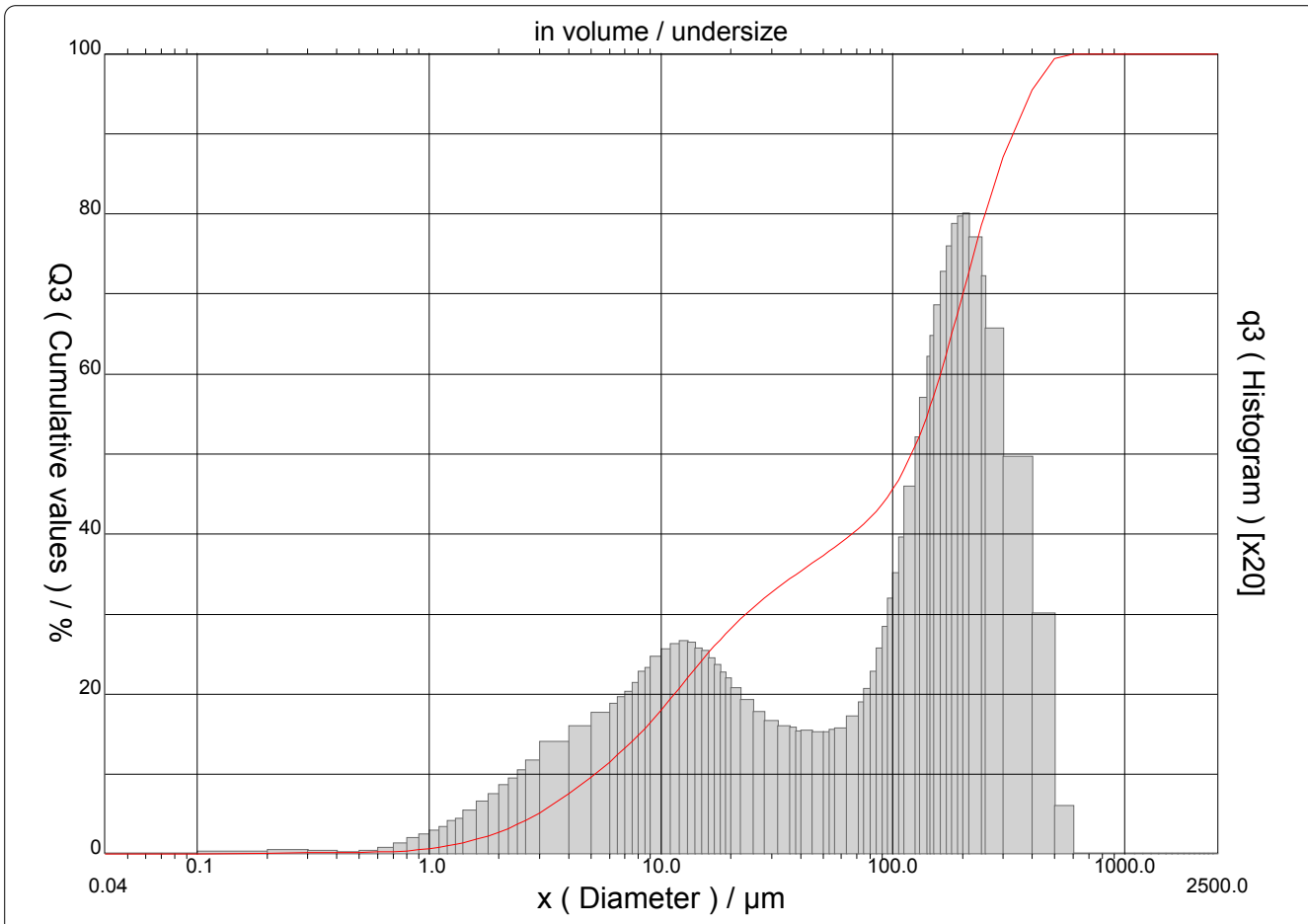
### Customer defined classes

### 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	0.00	7.34	39.31	43.37	51.02	64.25	80.02	91.94	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. : SR-16-3 90-95cm  
Sample Name :  
Sample type : Mixed  
Comments :  
Liquid : Water (eau)  
Dispersing agent :  
Operator : Robin  
Company :  
Location :  
Date : 07/14/2016 Time : 01:25:38PM  
Index meas. : 6367  
Database name : Granulog

Ultrasounds : 15 s (+during)  
Obscuration : 11 %  
Diameter at 10% : 5.17 µm  
Diameter at 50% : 120.36 µm  
Diameter at 90% : 331.93 µm  
Mean diameter : 140.79 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	0.00	0.00	0.00	0.10	0.20	0.25	0.27	0.30	0.36	0.46
q3	0.00	0.00	0.00	0.01	0.02	0.01	0.01	0.01	0.03	0.06
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.59	0.74	0.90	1.07	1.26	1.45	1.87	2.32	2.78	3.26
q3	0.09	0.12	0.14	0.17	0.20	0.22	0.27	0.32	0.37	0.43
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	3.74	4.23	5.21	7.57	9.66	11.54	12.42	13.27	14.09	14.90
q3	0.47	0.52	0.58	0.70	0.80	0.88	0.93	0.97	1.01	1.07
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	15.71	16.49	18.01	19.44	20.78	22.03	23.18	24.22	25.18	26.05
q3	1.14	1.16	1.23	1.27	1.31	1.33	1.32	1.28	1.26	1.22
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	26.84	27.56	28.22	29.38	30.82	32.00	33.30	34.40	34.90	35.36
q3	1.17	1.13	1.09	1.03	0.96	0.88	0.83	0.79	0.79	0.76
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	36.42	37.36	37.88	38.38	39.46	40.66	41.27	42.05	42.86	43.72
q3	0.76	0.76	0.76	0.77	0.78	0.85	0.95	1.03	1.14	1.28
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	44.62	45.58	46.78	48.06	51.02	52.22	54.70	55.98	57.27	59.87
q3	1.41	1.59	1.75	1.98	2.29	2.60	2.84	3.10	3.23	3.42
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	62.46	65.01	67.51	69.91	72.65	78.64	80.02	87.05	95.44	99.37
q3	3.63	3.79	3.93	3.98	4.00	3.85	3.61	3.28	2.48	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. : SR-16-3 95-100cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Robin  
 Company :  
 Location :  
 Date : 07/14/2016 Time : 01:32:32PM  
 Index meas. : 6368  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 10 %  
 Diameter at 10% : 5.34  $\mu\text{m}$   
 Diameter at 50% : 126.58  $\mu\text{m}$   
 Diameter at 90% : 327.85  $\mu\text{m}$   
 Mean diameter : 143.02  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

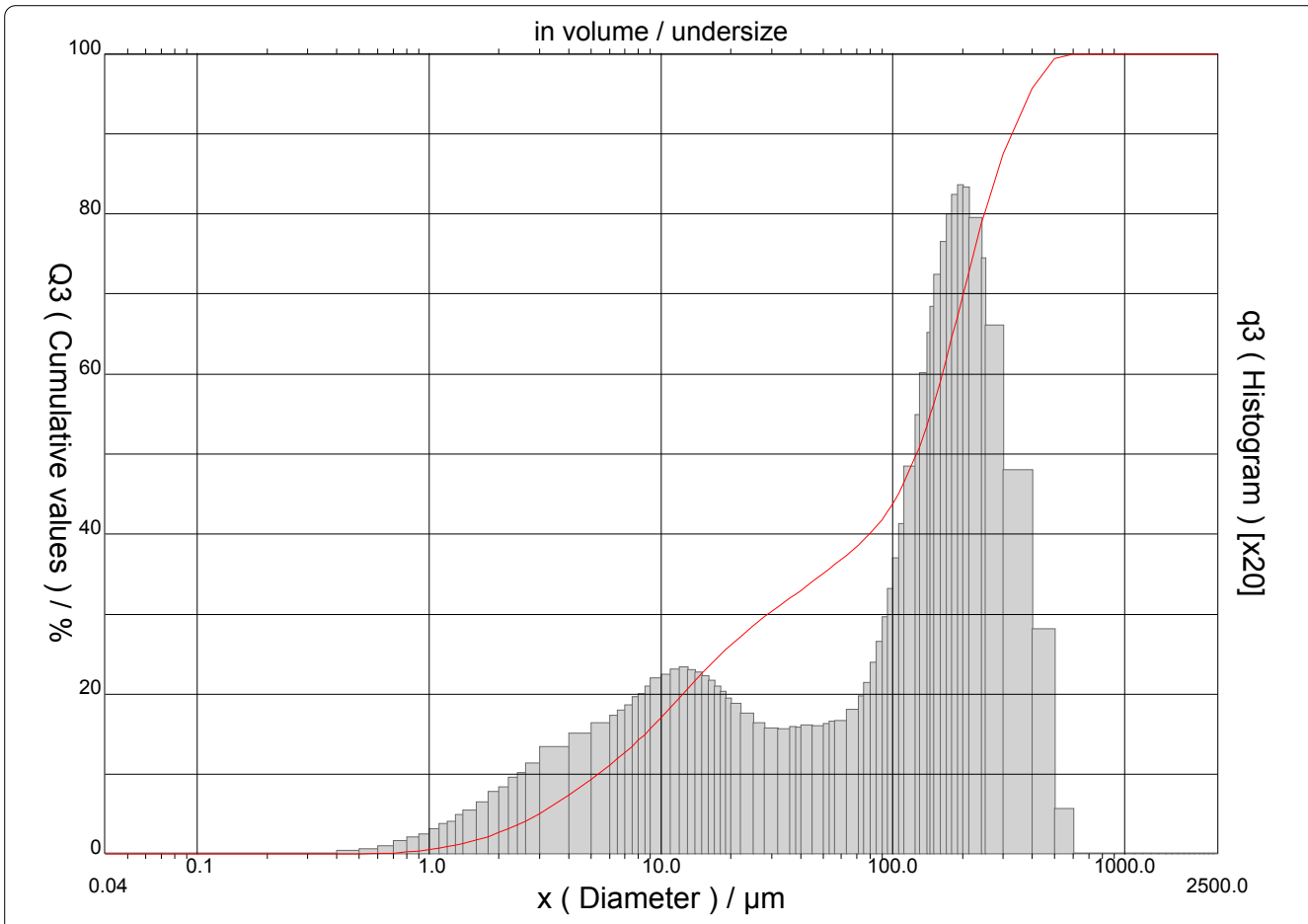
### Customer defined classes

### 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	7.17	37.18	41.47	49.59	63.71	80.31	92.29	99.40	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. : SR-16-3 95-100cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Robin  
 Company :  
 Location :  
 Date : 07/14/2016 Time : 01:32:32PM  
 Index meas. : 6368  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 10 %  
 Diameter at 10% : 5.34 µm  
 Diameter at 50% : 126.58 µm  
 Diameter at 90% : 327.85 µm  
 Mean diameter : 143.02 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	0.04	0.10	0.18	0.30
q3	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.03	0.04	0.08
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	0.44	0.59	0.76	0.95	1.14	1.35	1.78	2.23	2.71	3.18
q3	0.10	0.12	0.15	0.18	0.20	0.24	0.27	0.32	0.38	0.41
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	3.67	4.15	5.11	7.38	9.37	11.14	11.96	12.75	13.51	14.26
q3	0.47	0.50	0.56	0.66	0.75	0.81	0.86	0.89	0.92	0.97
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	14.98	15.69	17.06	18.33	19.52	20.63	21.64	22.57	23.42	24.20
q3	1.00	1.04	1.09	1.12	1.15	1.16	1.14	1.13	1.10	1.08
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	24.91	25.56	26.15	27.21	28.54	29.64	30.88	31.97	32.48	32.96
q3	1.04	1.01	0.96	0.93	0.87	0.81	0.78	0.78	0.79	0.79
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	34.08	35.08	35.64	36.18	37.34	38.62	39.26	40.08	40.94	41.84
q3	0.80	0.80	0.81	0.82	0.83	0.90	0.98	1.07	1.19	1.32
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	42.79	43.80	45.08	46.43	49.59	50.87	53.52	54.88	56.26	59.04
q3	1.47	1.65	1.84	2.06	2.41	2.74	3.00	3.25	3.41	3.61
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	61.80	64.52	67.17	69.72	72.61	78.87	80.31	87.47	95.67	99.40
q3	3.82	3.99	4.11	4.17	4.16	3.97	3.71	3.29	2.39	1.40
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	0.28	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. : SR-16-3 100-105cm  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Robin  
 Company :  
 Location :  
 Date : 07/14/2016 Time : 01:38:53PM  
 Index meas. : 6369  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 10 %  
 Diameter at 10% : 5.05  $\mu\text{m}$   
 Diameter at 50% : 122.81  $\mu\text{m}$   
 Diameter at 90% : 296.89  $\mu\text{m}$   
 Mean diameter : 134.03  $\mu\text{m}$   
 Fraunhofer :  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

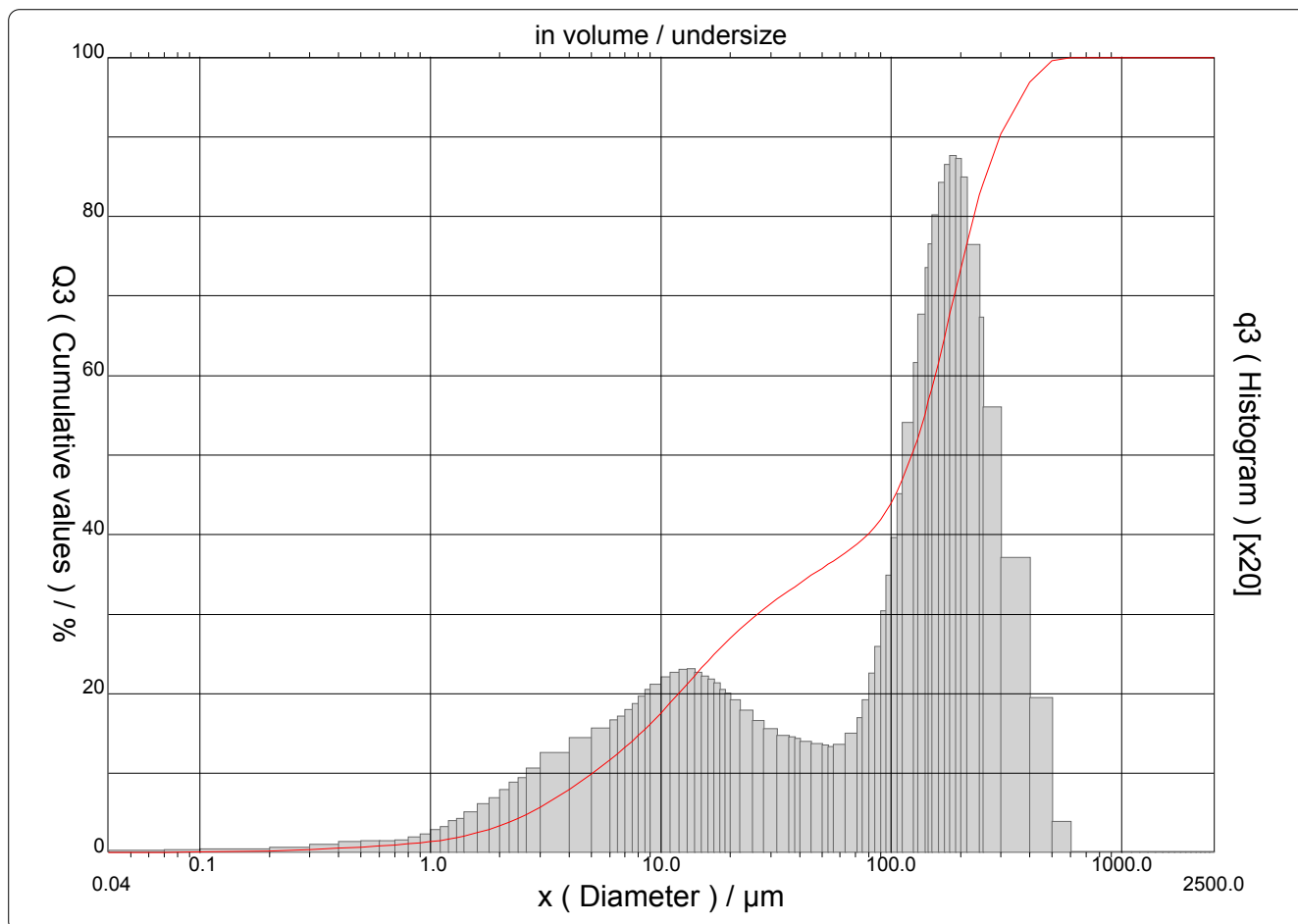
### Customer defined classes

### 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	7.72	37.55	41.49	50.59	66.84	84.07	94.30	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. : SR-16-3 100-105cm  
Sample Name :  
Sample type : Mixed  
Comments :  
Liquid : Water (eau)  
Dispersing agent :  
Operator : Robin  
Company :  
Location :  
Date : 07/14/2016 Time : 01:38:53PM  
Index meas. : 6369  
Database name : Granulog

Ultrasounds : 15 s (+during)  
Obscuration : 10 %  
Diameter at 10% : 5.05 µm  
Diameter at 50% : 122.81 µm  
Diameter at 90% : 296.89 µm  
Mean diameter : 134.03 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	0.27	0.40	0.56	0.73	0.88	1.01	1.13
q3	0.00	0.01	0.01	0.02	0.03	0.05	0.06	0.07	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	1.26	1.40	1.56	1.73	1.92	2.11	2.52	2.96	3.40	3.86
q3	0.09	0.11	0.14	0.16	0.19	0.21	0.25	0.30	0.34	0.39
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	4.33	4.79	5.72	7.93	9.90	11.65	12.47	13.25	14.01	14.75
q3	0.44	0.47	0.53	0.62	0.71	0.78	0.83	0.85	0.89	0.93
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	15.48	16.20	17.57	18.86	20.07	21.20	22.25	23.21	24.09	24.90
q3	0.97	1.02	1.05	1.10	1.13	1.14	1.15	1.13	1.10	1.08
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	25.65	26.33	26.96	28.08	29.48	30.63	31.90	32.96	33.44	33.89
q3	1.06	1.02	0.99	0.95	0.89	0.82	0.77	0.73	0.72	0.71
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	34.90	35.78	36.26	36.71	37.69	38.79	39.36	40.12	40.96	41.87
q3	0.69	0.68	0.67	0.66	0.67	0.74	0.84	0.95	1.12	1.29
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	42.88	43.98	45.40	46.93	50.59	52.08	55.17	56.76	58.36	61.55
q3	1.51	1.74	1.97	2.25	2.70	3.07	3.37	3.67	3.82	4.00
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	64.70	67.75	70.67	73.43	76.48	82.72	84.07	90.36	96.92	99.58
q3	4.21	4.32	4.37	4.36	4.24	3.82	3.36	2.79	1.85	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	0.19	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. : SR-16-3 40-45cmD  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Robin  
 Company :  
 Location :  
 Date : 07/14/2016 Time : 03:29:37PM  
 Index meas. : 6373  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 11 %  
 Diameter at 10% : 2.88  $\mu\text{m}$   
 Diameter at 50% : 14.38  $\mu\text{m}$   
 Diameter at 90% : 111.93  $\mu\text{m}$   
 Mean diameter : 34.18  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

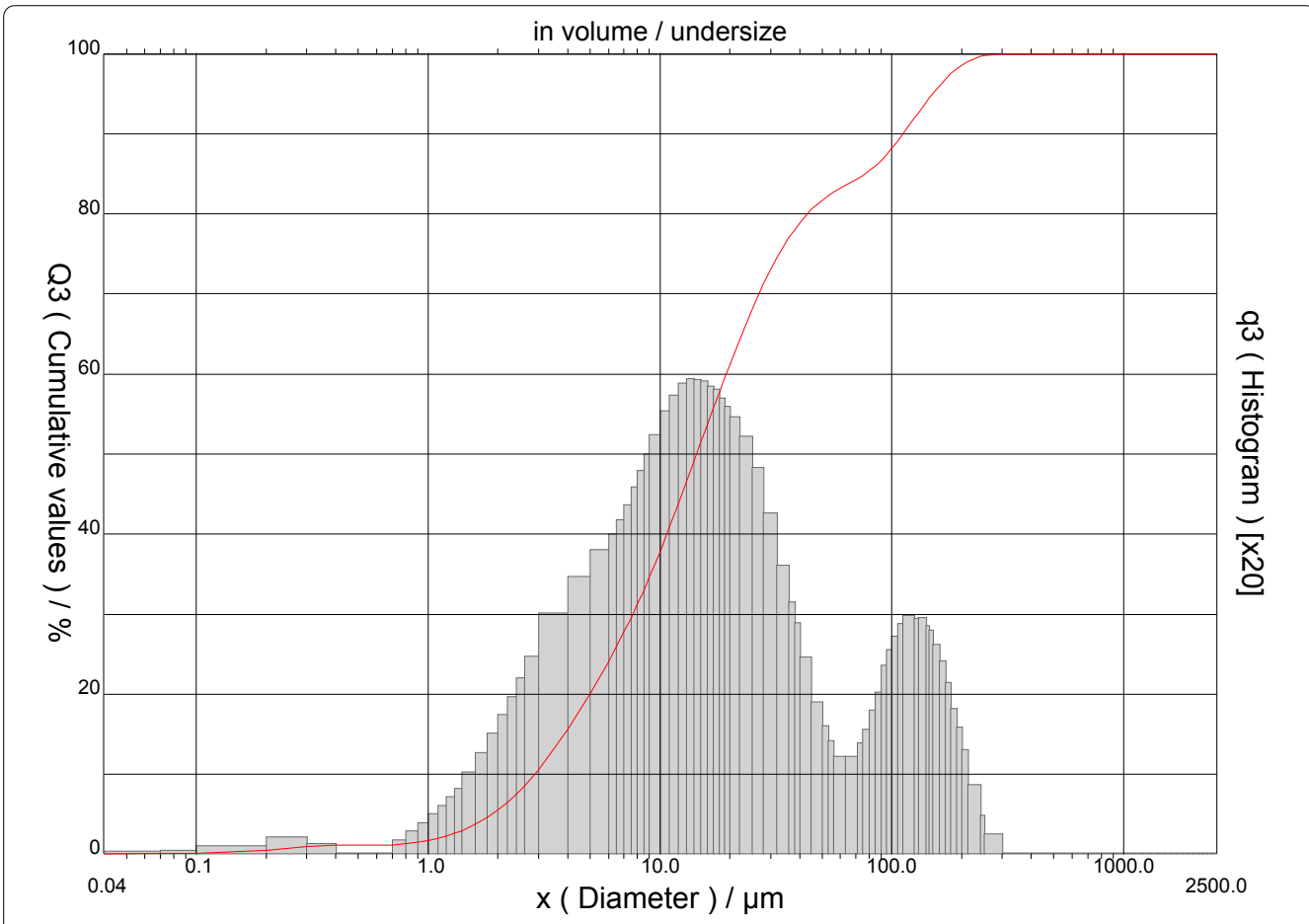
### Customer defined classes

### 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	0.03	15.11	83.40	86.39	91.91	97.32	99.75	100.00	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. : SR-16-3 40-45cmD  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Robin  
 Company :  
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 Date : 07/14/2016 Time : 03:29:37PM  
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Ultrasounds : 15 s (+during)  
 Obscuration : 11 %  
 Diameter at 10% : 2.88 µm  
 Diameter at 50% : 14.38 µm  
 Diameter at 90% : 111.93 µm  
 Mean diameter : 34.18 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	0.03	0.11	0.17	0.51	0.99	1.18	1.18	1.18	1.18	1.31
q3	0.00	0.01	0.01	0.04	0.10	0.06	0.00	0.00	0.00	0.08
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	1.50	1.73	2.00	2.30	2.63	2.98	3.77	4.63	5.55	6.51
q3	0.14	0.19	0.24	0.30	0.35	0.40	0.51	0.63	0.75	0.86
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	7.50	8.52	10.57	15.59	20.09	24.12	25.98	27.78	29.53	31.25
q3	0.98	1.09	1.23	1.50	1.73	1.89	1.99	2.08	2.17	2.28
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	32.94	34.60	37.81	40.88	43.78	46.52	49.08	51.46	53.68	55.74
q3	2.39	2.49	2.61	2.76	2.86	2.93	2.96	2.96	2.95	2.91
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	57.67	59.46	61.13	64.16	68.04	71.22	74.53	77.00	77.99	78.85
q3	2.89	2.84	2.79	2.73	2.60	2.41	2.12	1.80	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	80.53	81.69	82.23	82.68	83.51	84.35	84.79	85.37	86.00	86.67
q3	1.22	0.94	0.79	0.70	0.60	0.60	0.69	0.77	0.89	1.00
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	87.41	88.17	89.09	90.01	91.91	92.58	93.85	94.43	94.98	95.96
q3	1.17	1.27	1.35	1.43	1.48	1.46	1.47	1.42	1.39	1.30
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	96.81	97.52	98.09	98.56	99.00	99.66	99.75	100.00	100.00	100.00
q3	1.20	1.06	0.90	0.79	0.65	0.43	0.24	0.12	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  $\mu\text{m}$  - 2500.00  $\mu\text{m}$  / 100 Classes

Sample ref. : SR-16-3 45-50cmC  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Robin  
 Company :  
 Location :  
 Date : 07/14/2016 Time : 03:35:47PM  
 Index meas. : 6374  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 2.72  $\mu\text{m}$   
 Diameter at 50% : 13.22  $\mu\text{m}$   
 Diameter at 90% : 87.01  $\mu\text{m}$   
 Mean diameter : 27.65  $\mu\text{m}$   
 Fraunhofer  
 Density/Factor : -----  
 Specific surface : -----  
 Automatic dilution : No / No  
 Meas./Rins. : 60s/60s/4  
 SOP name : Mixed

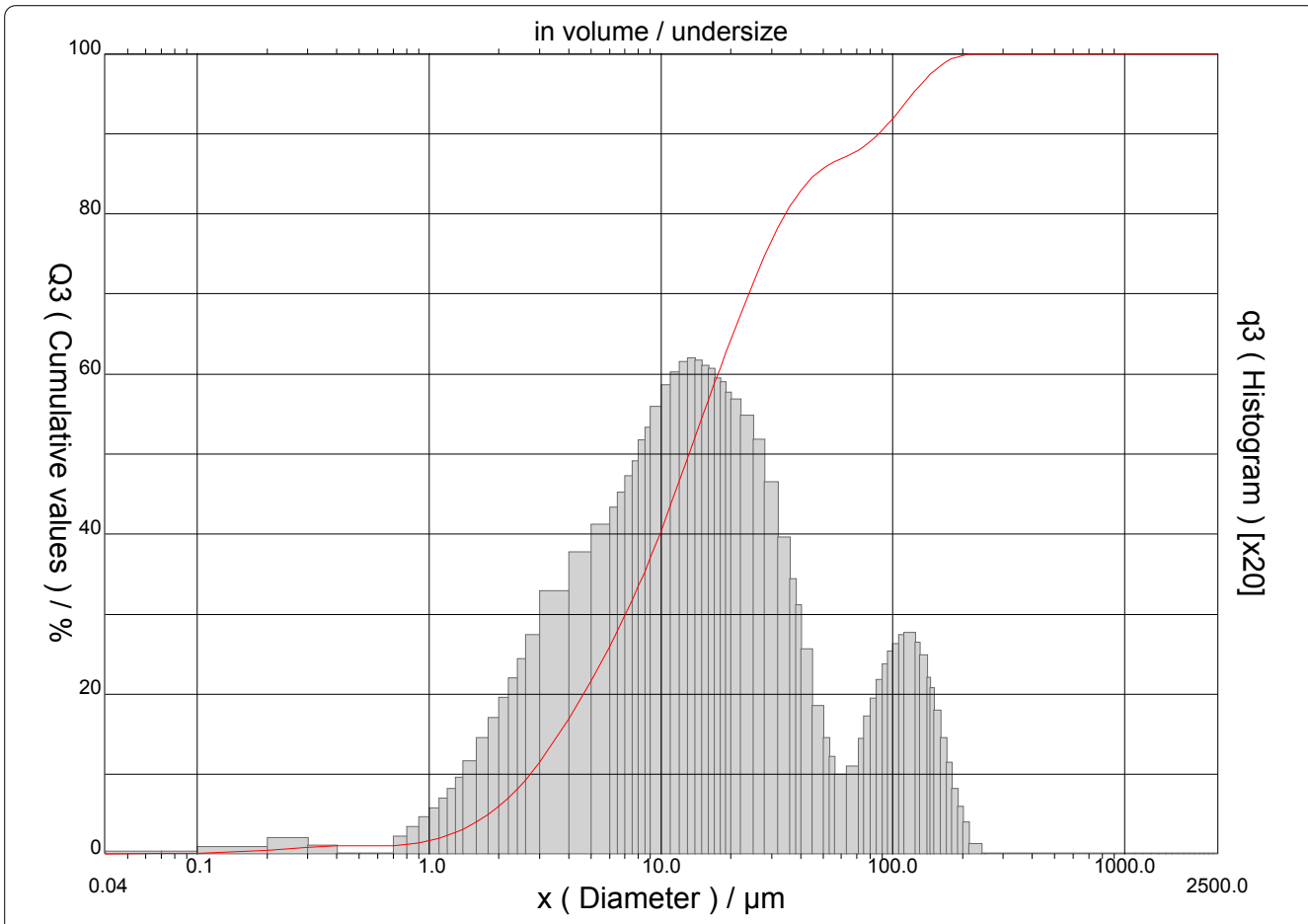
### Customer defined classes

### 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	0.03	16.38	87.13	90.13	95.35	99.27	100.00	100.00	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. : SR-16-3 45-50cmC  
 Sample Name :  
 Sample type : Mixed  
 Comments :  
 Liquid : Water (eau)  
 Dispersing agent :  
 Operator : Robin  
 Company :  
 Location :  
 Date : 07/14/2016 Time : 03:35:47PM  
 Index meas. : 6374  
 Database name : Granulog

Ultrasounds : 15 s (+during)  
 Obscuration : 15 %  
 Diameter at 10% : 2.72 µm  
 Diameter at 50% : 13.22 µm  
 Diameter at 90% : 87.01 µm  
 Mean diameter : 27.65 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	0.03	0.11	0.16	0.47	0.91	1.07	1.07	1.07	1.07	1.23
q3	0.00	0.01	0.01	0.04	0.09	0.05	0.00	0.00	0.00	0.10
x	0.90	1.00	1.10	1.20	1.30	1.40	1.60	1.80	2.00	2.20
Q3	1.45	1.72	2.03	2.37	2.74	3.14	4.02	4.99	6.01	7.07
q3	0.16	0.22	0.28	0.34	0.40	0.47	0.58	0.72	0.85	0.97
x	2.40	2.60	3.00	4.00	5.00	6.00	6.50	7.00	7.50	8.00
Q3	8.16	9.27	11.50	16.89	21.69	25.97	27.95	29.86	31.72	33.53
q3	1.09	1.21	1.36	1.64	1.88	2.05	2.16	2.25	2.36	2.45
x	8.50	9.00	10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00
Q3	35.32	37.06	40.42	43.61	46.60	49.41	52.03	54.46	56.71	58.81
q3	2.58	2.66	2.79	2.92	3.00	3.07	3.09	3.08	3.05	3.03
x	18.00	19.00	20.00	22.00	25.00	28.00	32.00	36.00	38.00	40.00
Q3	60.75	62.57	64.26	67.35	71.35	74.70	78.24	80.90	81.96	82.87
q3	2.97	2.94	2.88	2.83	2.73	2.58	2.32	1.97	1.71	1.55
x	45.00	50.00	53.00	56.00	63.00	71.00	75.00	80.00	85.00	90.00
Q3	84.59	85.70	86.18	86.56	87.22	87.96	88.41	89.04	89.71	90.42
q3	1.28	0.92	0.72	0.60	0.49	0.54	0.72	0.85	0.97	1.09
x	95.00	100.0	106.0	112.0	125.0	130.0	140.0	145.0	150.0	160.0
Q3	91.15	91.89	92.76	93.62	95.35	95.94	96.99	97.43	97.83	98.49
q3	1.18	1.26	1.30	1.36	1.38	1.31	1.24	1.10	1.03	0.89
x	170.0	180.0	190.0	200.0	212.0	242.0	250.0	300.0	400.0	500.0
Q3	98.99	99.36	99.61	99.78	99.91	100.00	100.00	100.00	100.00	100.00
q3	0.72	0.57	0.40	0.29	0.19	0.06	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