

Overview of all measurements

Protocoll-No.

M220321

Calculation Fraunhofer

TradeOff

broad (100.0)

Refractive index ---

Absorptions coefficient ---

Material

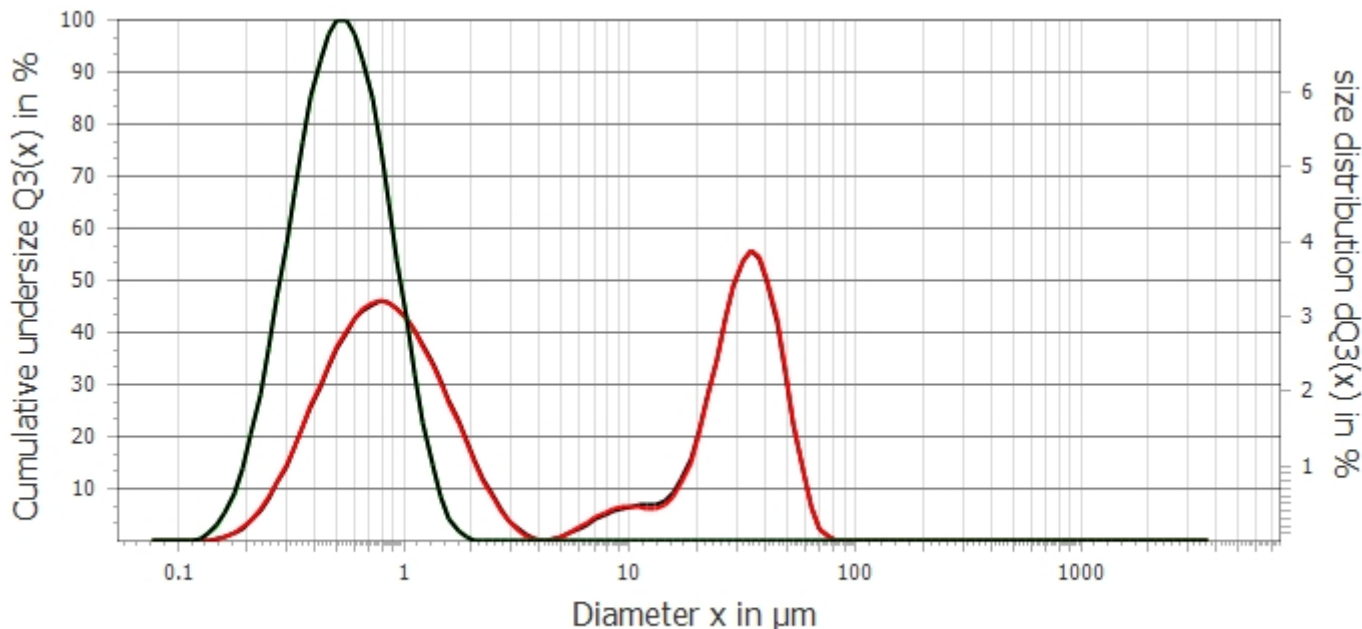
TiO2

Measurement Range 0.01 - 3800 µm

Pump 40 %

Ultrasonic

100 %

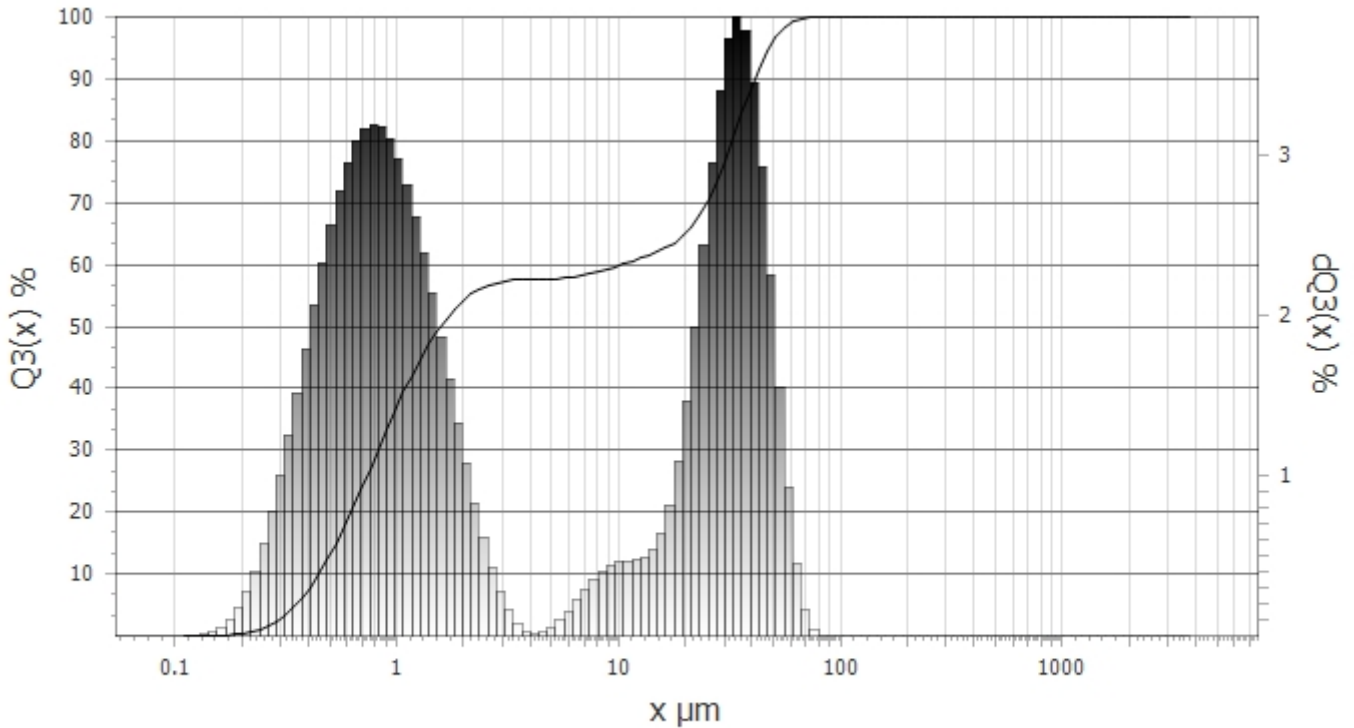



█ 39436 dQ3(x)
 █ 39437 dQ3(x)
 █ 39526 dQ3(x)
 █ 39527 dQ3(x)

% <	mean µm	CV[%]	M39436	M39437	M39526	M39527
10.0	0.4	23.4	0.45	0.44	0.28	0.28
50.0	1.0	50.1	1.58	1.56	0.52	0.52
90.0	21.1	95.5	41.24	41.42	0.96	0.96
99.0	30.4	95.3	59.21	59.41	1.42	1.41

< µm	mean %	CV[%]	M39436	M39437	M39526	M39527
0.10	0.0	0.0	0	0	0	0
0.50	29.9	55.9	13.1	13.3	46.58	46.69
1.00	64.4	42.4	36.95	37.24	91.66	91.69
10.00	79.9	25.1	59.84	59.95	100	100
30.00	88.2	13.4	76.51	76.24	100	100
50.00	98.1	2.0	96.2	96.11	100	100
70.00	99.9	0.1	99.88	99.87	100	100
100.00	100.0	0.0	100	100	100	100
150.00	100.0	0.0	100	100	100	100

Meas. No.	39436	Name		Date	14-Nov-22 9:53:21
Material	TiO2	Lot	1min P5cl 30mmZ	RMS-Error	0.2806
Information	F	Comment	M220321	Beam Obscuration	27%

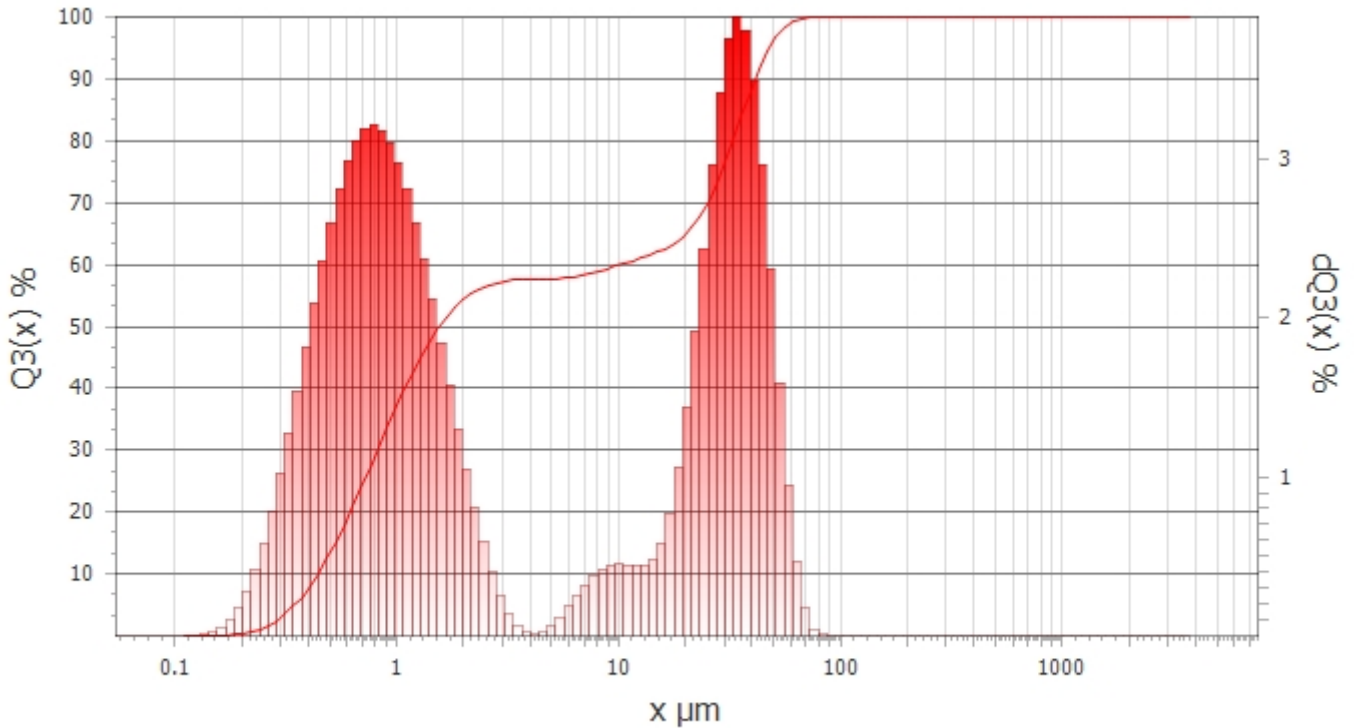


 39436 dQ3(x) — 39436 Q3(x)

%	< µm
5.0	0.35
10.0	0.45
15.0	0.53
20.0	0.62
30.0	0.82
40.0	1.10
50.0	1.58
60.0	10.31
70.0	24.96
80.0	32.60
85.0	36.55
90.0	41.24
95.0	47.70
97.0	51.67
99.0	59.21

< µm	%
0.10	0.0
0.50	13.1
1.00	37.0
1.50	48.9
2.00	54.2
5.00	57.7
10.00	59.8
15.00	62.1
20.00	65.0
25.00	70.0
30.00	76.5
35.00	83.1
40.00	88.8
45.00	93.2
50.00	96.2
55.00	98.1
60.00	99.1
65.00	99.7
70.00	99.9
80.00	100.0

Meas. No. 39437 Name Date 14-Nov-22 9:53:35
 Material TiO2 Lot 1min P5cl 30mmZ RMS-Error 0.2826
 Information F Comment M220321 Beam Obscuration 27%

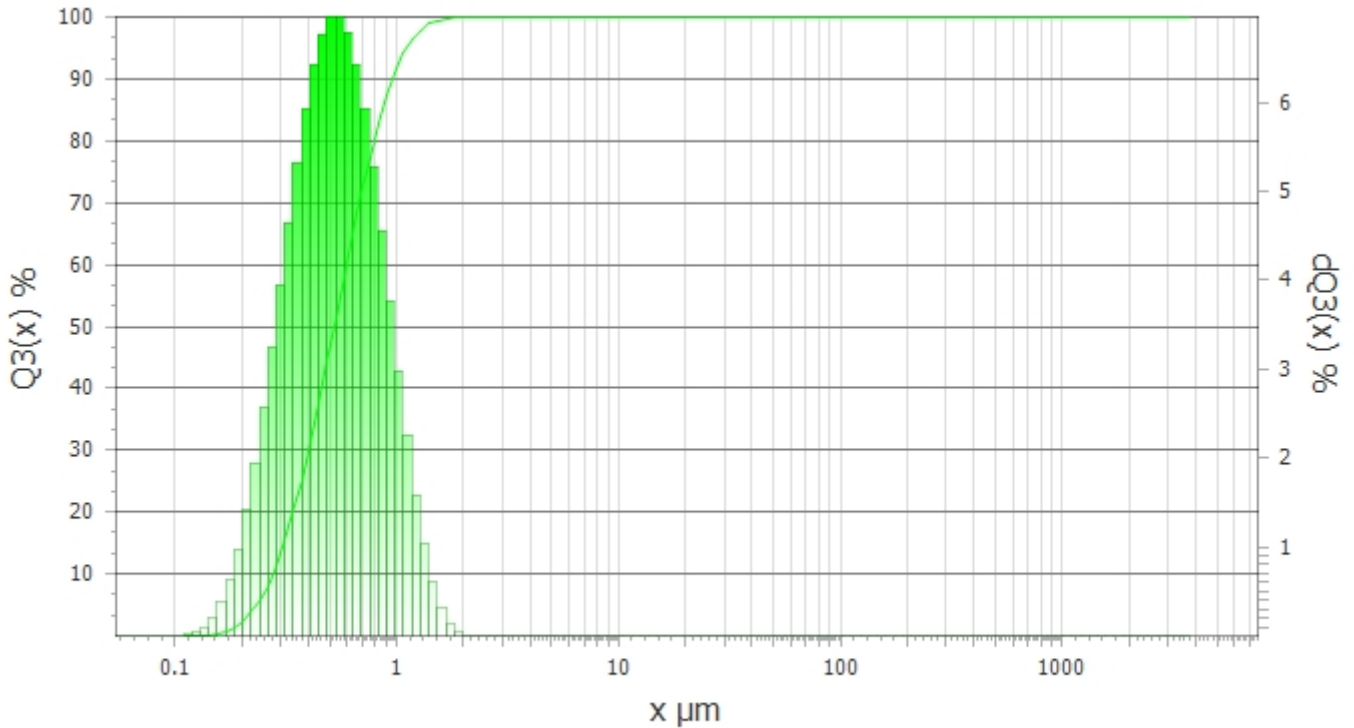


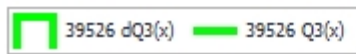
 39437 dQ3(x)  39437 Q3(x)

%	< µm
5.0	0.35
10.0	0.44
15.0	0.53
20.0	0.62
30.0	0.82
40.0	1.09
50.0	1.56
60.0	10.09
70.0	25.19
80.0	32.79
85.0	36.74
90.0	41.42
95.0	47.93
97.0	51.92
99.0	59.41

< µm	%
0.10	0.0
0.50	13.3
1.00	37.2
1.50	49.1
2.00	54.3
5.00	57.6
10.00	60.0
15.00	62.0
20.00	64.8
25.00	69.8
30.00	76.2
35.00	82.9
40.00	88.6
45.00	93.0
50.00	96.1
55.00	98.0
60.00	99.1
65.00	99.6
70.00	99.9
80.00	100.0

Meas. No.	39526	Name		Date	14-Nov-22 13:29:38
Material	TiO2	Lot	15min P5cl 30mmZ	RMS-Error	0.2982
Information	F	Comment	M220321	Beam Obscuration	30%

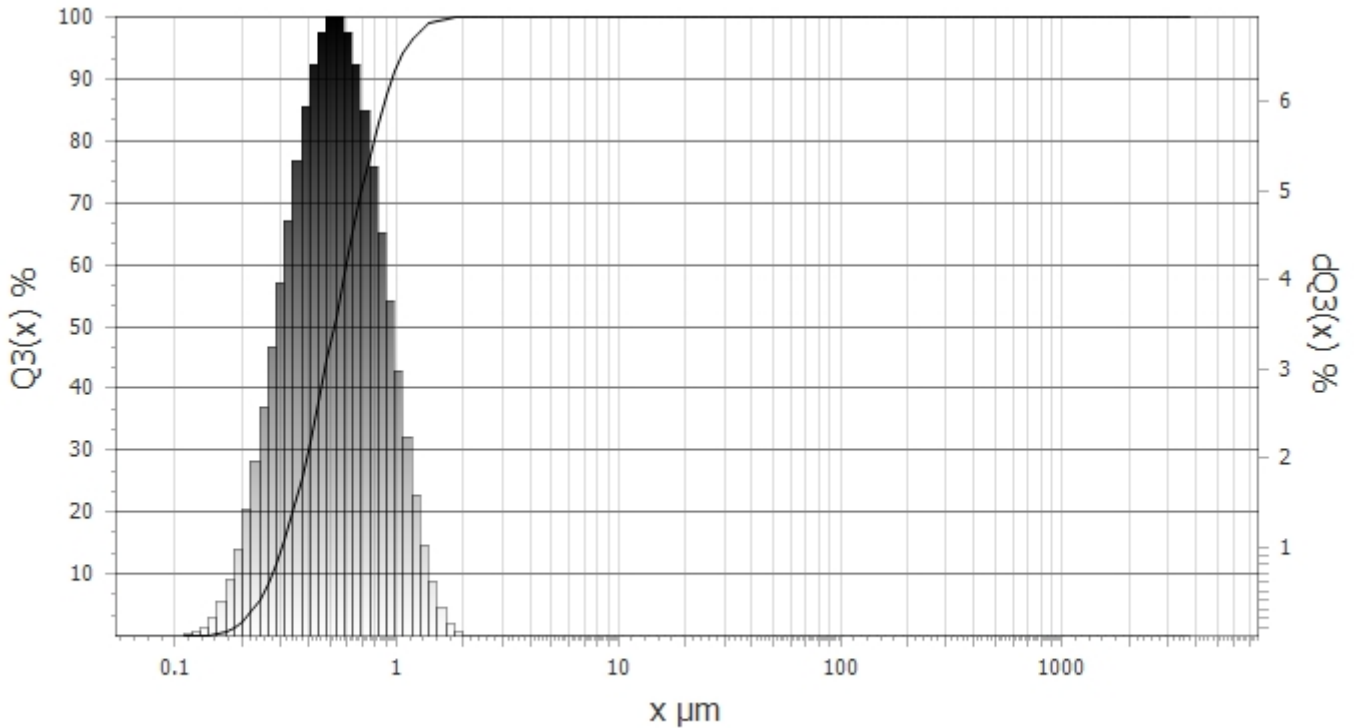




 39526 dQ3(x) 39526 Q3(x)

%	< μm
5.0	0.23
10.0	0.28
15.0	0.31
20.0	0.34
30.0	0.40
40.0	0.46
50.0	0.52
60.0	0.59
70.0	0.68
80.0	0.79
85.0	0.86
90.0	0.96
95.0	1.11
97.0	1.22
99.0	1.42

< μm	%
0.01	0.0
0.02	0.0
0.03	0.0
0.05	0.0
0.08	0.0
0.10	0.0
0.15	0.3
0.20	2.2
0.30	13.4
0.50	46.6
0.80	80.9
1.00	91.7
2.00	100.0
3.00	100.0
5.00	100.0

Meas. No. 39527 **Name** **Date** 14-Nov-22 13:29:50
Material TiO2 **Lot** 15min P5cl 30mmZ **RMS-Error** 0.3022
Information F **Comment** M220321 **Beam Obscuration** 31%



 39527 dQ3(x)  39527 Q3(x)

%	< µm
5.0	0.23
10.0	0.28
15.0	0.31
20.0	0.34
30.0	0.40
40.0	0.46
50.0	0.52
60.0	0.59
70.0	0.68
80.0	0.79
85.0	0.86
90.0	0.96
95.0	1.11
97.0	1.22
99.0	1.41

< µm	%
0.01	0.0
0.02	0.0
0.03	0.0
0.05	0.0
0.08	0.0
0.10	0.0
0.15	0.3
0.20	2.2
0.30	13.5
0.50	46.7
0.80	81.0
1.00	91.7
2.00	100.0
3.00	100.0
5.00	100.0