

Meas. No. 1289 SOP 41 Date 27.08.2007 13:47:02 Operator: FRITSCHLAN\Benes

Material: **Al2O3**

Original sample

Description: Al2O3
in water + Na4P2O7, 30s ultrasonic

Calculation Automatische Modellerkennung

Mode Wet

Serial No. 22.2000.00/90771

Beam absorption 7.1 %

Pump 70.00 %

Meas. range 0.10 µm - 663.55 µm

Cellposition 2

Channels 102

Ultrasonic An

Scans 100

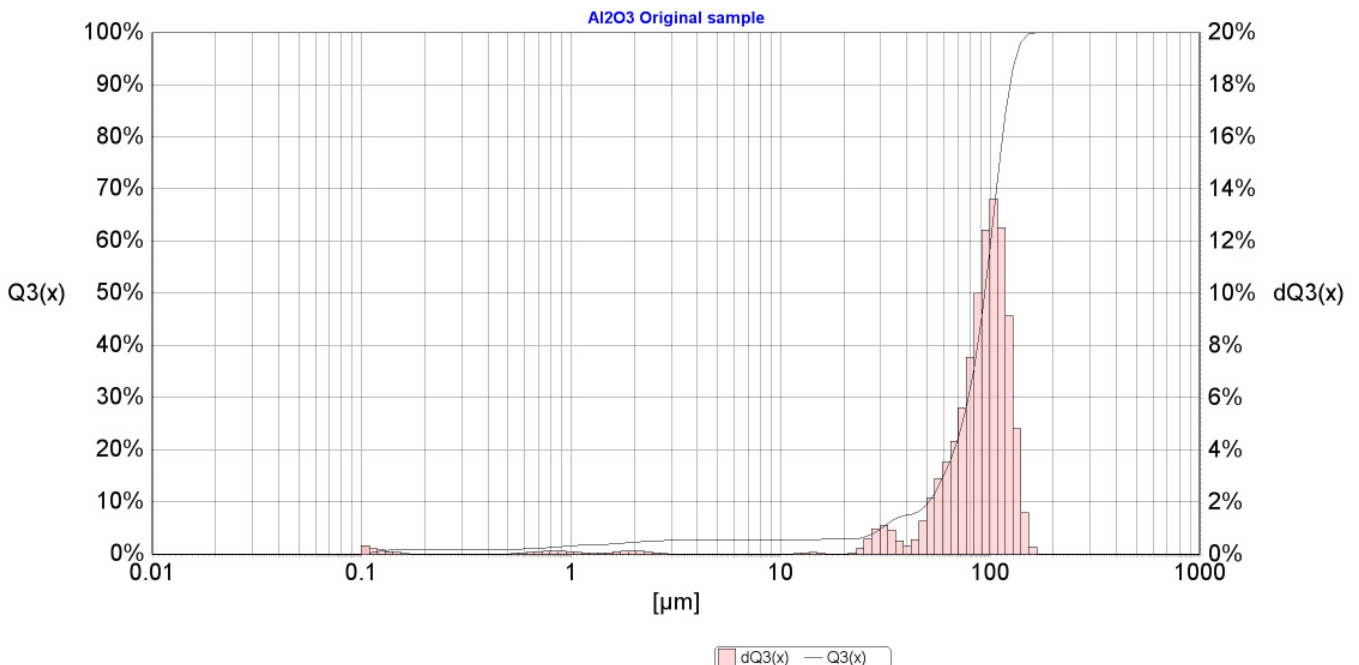
Prot.-No.:

5-99%

Obere Kornklasse [µm]	Q3(x) [%]
30.270	5.0
50.836	10.0
59.867	15.0
67.146	20.0
73.326	25.0
78.556	30.0
83.054	35.0
86.935	40.0
90.731	45.0
94.094	50.0
97.397	55.0
100.701	60.0
104.006	65.0
107.311	70.0
111.025	75.0
114.941	80.0
119.172	85.0
124.971	90.0
132.899	95.0
147.465	99.0

01-250µm

Obere Kornklasse [µm]	Q3(x) [%]
0.150	0.9
0.500	1.0
1.000	1.7
3.000	2.7
5.000	2.7
8.000	2.7
10.000	2.7
15.000	2.8
20.000	2.9
30.000	4.9
40.000	7.5
50.000	9.6
60.000	15.1
80.000	31.6
100.000	58.9
150.000	99.3
200.000	100.0
250.000	100.0



Meas. No. 1297 SOP 41 Date 28.08.2007 14:25:04 Operator: FRITSCHLAN\Benes

Material: **Al2O3: 1h pulverisette 7 Premium line** **80ml ZrO2 + 250x5mm ZrO2**

Description: Al2O3: 1h grinding time in "pulverisette 7" Premiumline
in water + Na4P2O7, 30s ultrasonic

Calculation Automatische Modellerkennung

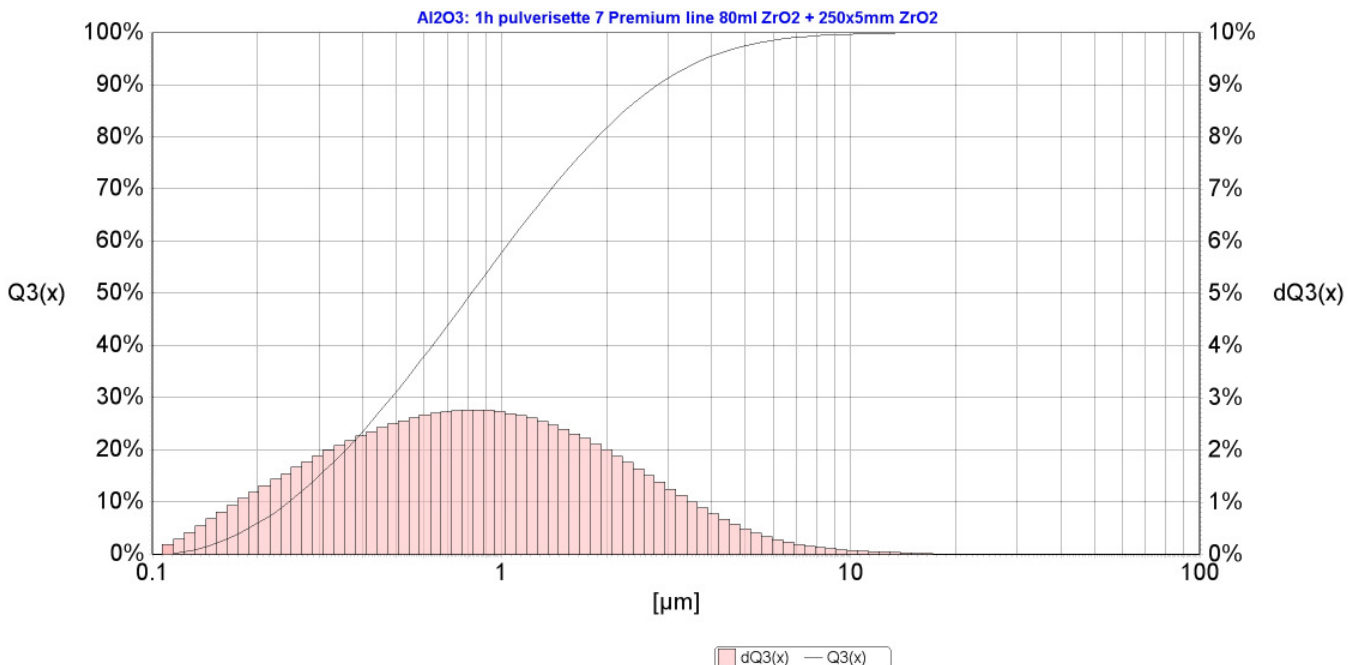
Mode	Wet	Serial No.	22.2000.00/90771
Beam absorption	17.3 %	Pump	70.00 %
Meas. range	0.10 µm - 132.71 µm	Cellposition	2
Channels	102	Ultrasonic	An
Scans	100	Prot.-No.:	

5-99%

Obere Kornklasse [µm]	Q3(x) [%]
0.189	5.0
0.245	10.0
0.300	15.0
0.358	20.0
0.419	25.0
0.484	30.0
0.556	35.0
0.635	40.0
0.722	45.0
0.820	50.0
0.932	55.0
1.060	60.0
1.211	65.0
1.389	70.0
1.609	75.0
1.887	80.0
2.256	85.0
2.810	90.0
3.849	95.0
6.964	99.0

01-20µm

Obere Kornklasse [µm]	Q3(x) [%]
0.100	0.2
0.150	2.0
0.200	6.0
0.300	15.0
0.400	23.5
0.500	31.2
0.600	37.9
0.700	43.8
0.800	49.0
1.000	57.7
1.200	64.7
1.500	72.7
2.000	81.6
2.500	87.5
3.000	91.2
4.000	95.4
5.000	97.5
6.000	98.5
8.000	99.3
10.000	99.7
15.000	99.9
20.000	100.0



Meas. No. 1332 SOP 41 Date 31.08.2007 08:52:12 Operator: FRITSCHLAN\benes

Material: **Al2O3: 8h pulverisette 7 Premium line** **80ml ZrO2 + 100g x 1,5mm ZrO2**

Description: Al2O3: 8h grinding time in "pulverisette 7" Premium line in water + Na4P2O7, 1min ultrasonicbath "laborette 17"

Calculation Automatische Modellerkennung

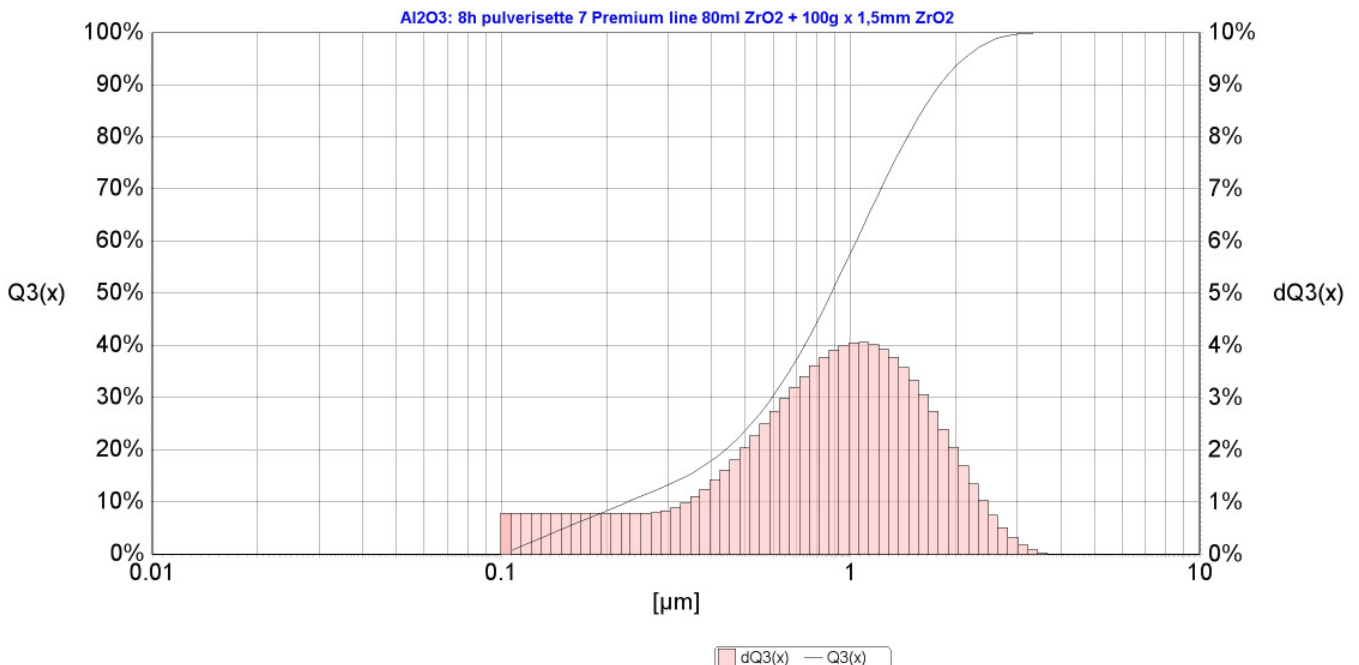
Mode	Wet	Serial No.	22.2000.00/90771
Beam absorption	10.4 %	Pump	60.00 %
Meas. range	0.10 µm - 79.63 µm	Cellposition	2
Channels	102	Ultrasonic	An
Scans	100	Prot.-No.:	

5-99%

Obere Kornklasse [µm]	Q3(x) [%]
0.151	5.0
0.229	10.0
0.340	15.0
0.437	20.0
0.520	25.0
0.595	30.0
0.666	35.0
0.738	40.0
0.809	45.0
0.881	50.0
0.958	55.0
1.039	60.0
1.126	65.0
1.222	70.0
1.330	75.0
1.454	80.0
1.608	85.0
1.805	90.0
2.120	95.0
2.690	99.0

01-10µm

Obere Kornklasse [µm]	Q3(x) [%]
0.110	1.1
0.200	8.4
0.300	13.3
0.400	18.0
0.500	23.7
0.700	37.3
1.000	57.6
1.500	81.6
2.000	93.4
2.500	98.2
3.000	99.7
4.000	100.0
5.000	100.0
6.000	100.0
7.000	100.0
8.000	100.0
9.000	100.0
10.000	100.0



Meas. No. 1340 SOP 41 Date 04.09.2007 11:51:11 Operator: FRITSCHLAN\Benes

Material: **Al2O3: 11h pulverisette 7 Premium line** **80ml ZrO2 + 100g x 0,5mm ZrO2**

Description: Al2O3: 3h grinding time in "pulverisette 7" Premium line
in water + Na4P2O7, 1min ultrasonicbath "laborette 17"

Calculation Automatische Modellerkennung

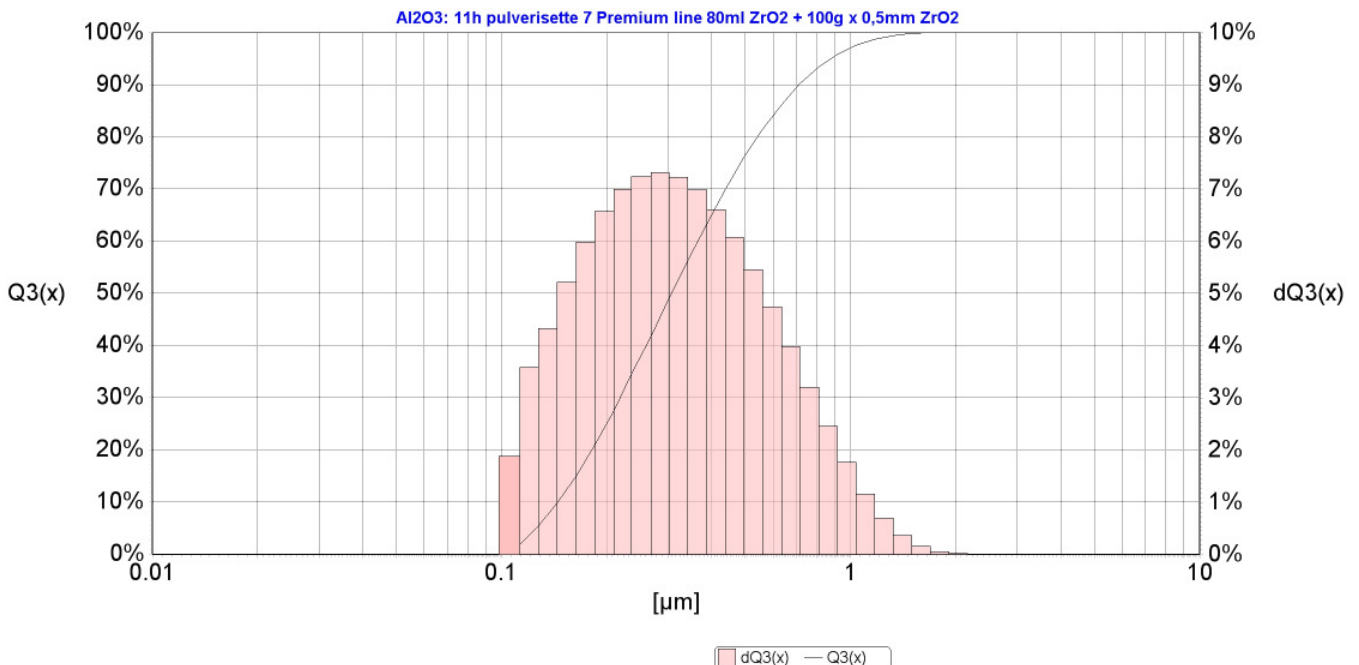
Mode	Wet	Serial No.	22.2000.00/90771
Beam absorption	10.3 %	Pump	60.00 %
Meas. range	0.10 µm - 53.08 µm	Cellposition	1
Channels	51	Ultrasonic	An
Scans	100	Prot.-No.:	

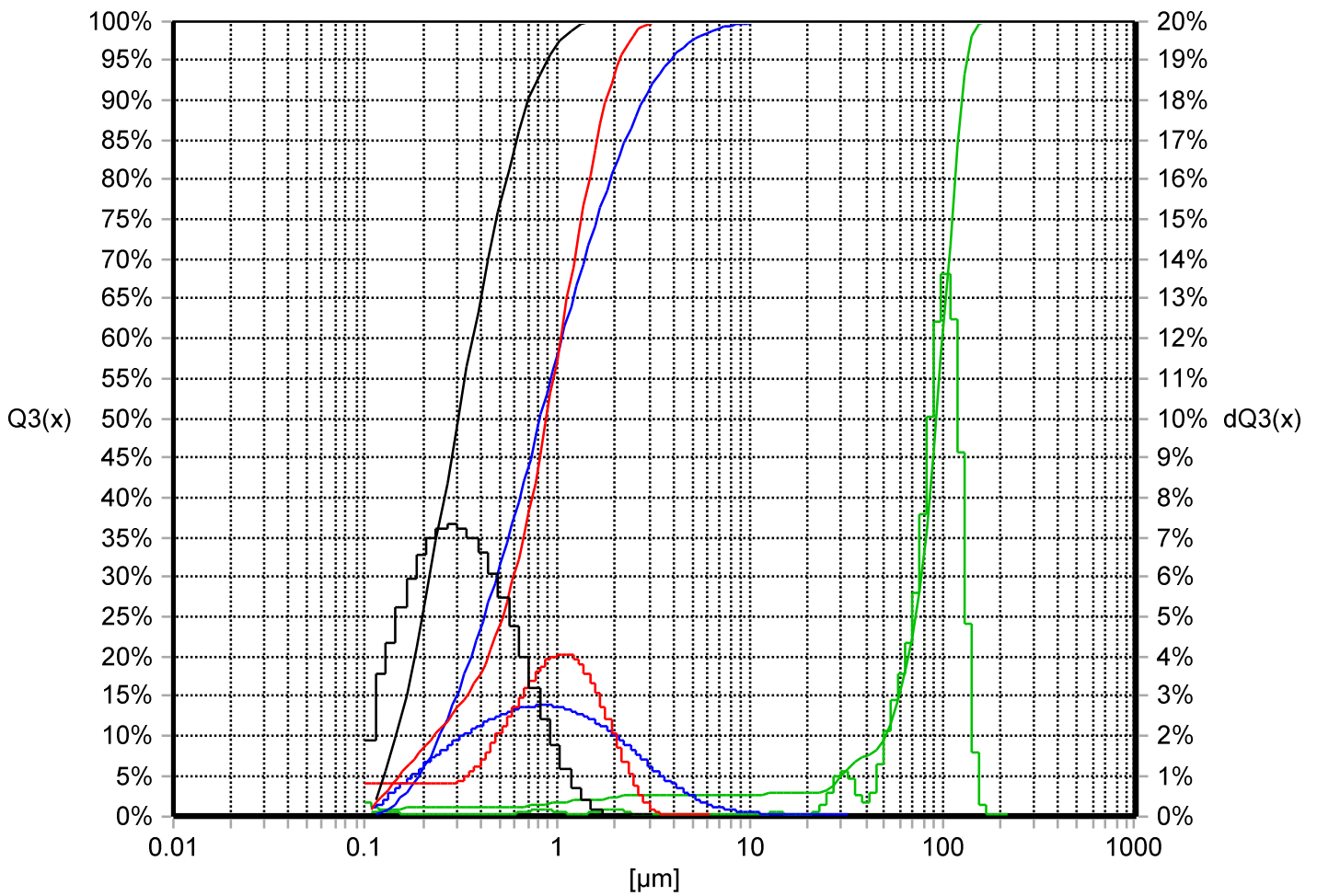
5-99%

Obere Kornklasse [µm]	Q3(x) [%]
0.126	5.0
0.145	10.0
0.164	15.0
0.181	20.0
0.200	25.0
0.219	30.0
0.238	35.0
0.260	40.0
0.283	45.0
0.307	50.0
0.335	55.0
0.366	60.0
0.401	65.0
0.439	70.0
0.485	75.0
0.543	80.0
0.616	85.0
0.713	90.0
0.882	95.0
1.234	99.0

01-10µm

Obere Kornklasse [µm]	Q3(x) [%]
0.110	1.9
0.200	24.9
0.300	48.7
0.400	64.9
0.500	76.5
0.700	89.4
1.000	97.0
1.500	99.8
2.000	100.0
2.500	100.0
3.000	100.0
4.000	100.0
5.000	100.0
6.000	100.0
7.000	100.0
8.000	100.0
9.000	100.0
10.000	100.0





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|-------------------------------------|----------------------|-------------------------------------|----------------------|-------------------------------------|----------------------|
| <input checked="" type="checkbox"/> | 1289 A...l sample dQ | <input checked="" type="checkbox"/> | 1289 A...al sample Q | <input checked="" type="checkbox"/> | 1297 A...5mm ZrO2 dQ |
| <input checked="" type="checkbox"/> | 1297 A...x5mm ZrO2 Q | <input checked="" type="checkbox"/> | 1332 A...5mm ZrO2 dQ | <input checked="" type="checkbox"/> | 1332 A...5mm ZrO2 Q |
| <input checked="" type="checkbox"/> | 1340 A...5mm ZrO2 dQ | <input checked="" type="checkbox"/> | 1340 A...5mm ZrO2 Q | | |