

# ZINC OXIDE

Protocol number:	M071314
Industry:	Chemistry
Feed Size:	<15 $\mu$ m; d50<1 $\mu$ m
Desired Fineness:	50%<0,6 $\mu$ m; 90%<2,3 $\mu$ m

## Result 1



## PLANETARY MICRO MILL PULVERISETTE 7 PREMIUM LINE

45 ml zirconium oxide (ZrO<sub>2</sub>)  
180 x 5 mm ZrO<sub>2</sub>

Feed quantity:	10 g
Feed Size:	<15 $\mu$ m; d50<1 $\mu$ m
Additive:	+ 20ml water
Grinding time:	120 min
Final fineness:	50%<0,6 $\mu$ m; 90%<2,3 $\mu$ m



Mess Nr. 2387    SOP 0    Datum 14.12.2007 09:30:36    Benutzer FRITSCHLAN\benes

Material: **zinc oxide powder**

**30min p-7 premium line**

Dispergierung: zinc oxide powder  
30min p-7 premium line in 45ml ZrO<sub>2</sub> + 180x5mm balls

Berechnung Automatische Modellerkennung

Methode Wet

Serien Nr. 22.2000.00/90771

Strahlabsorption 12.0 %

Pumpe 60.00 %

Meßbereich 0.10 µm - 53.08 µm

Zellpositionen 1

Kanäle 57

Ultraschall An

Scans 100

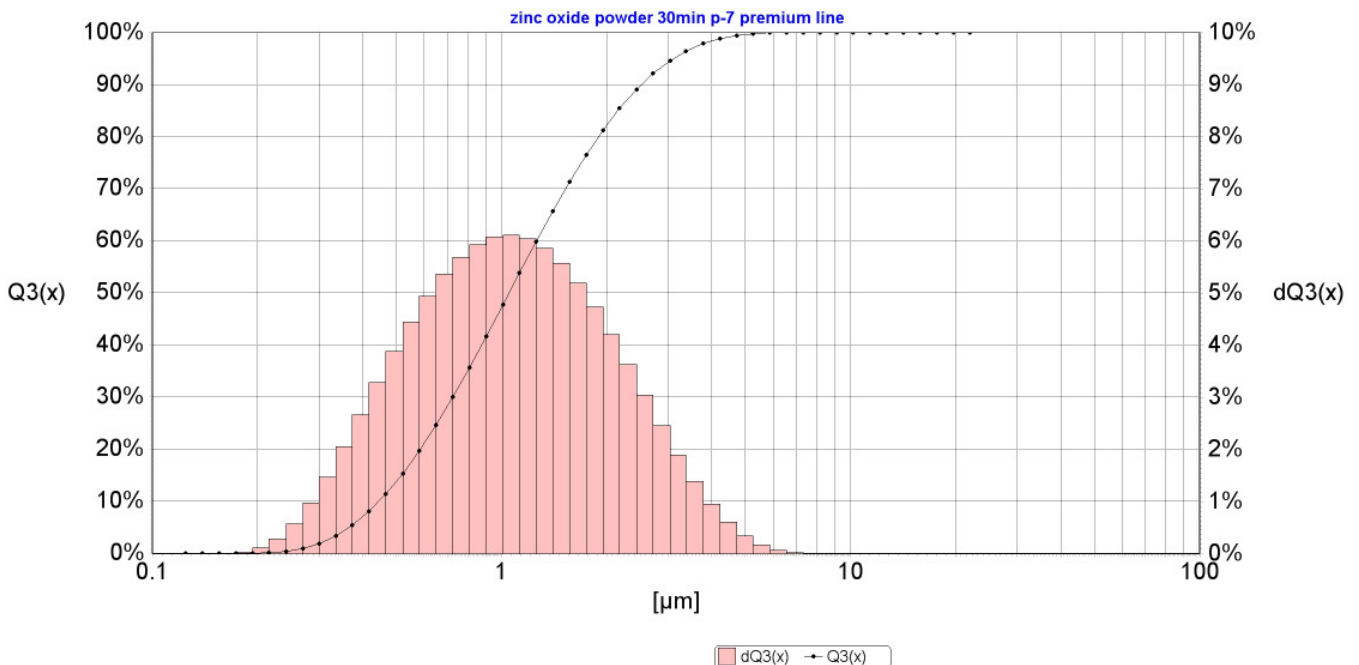
Prot.-Nr.:

5-99%

Obere Kornklasse [µm]	Q3(x) [%]
0.365	5.0
0.445	10.0
0.518	15.0
0.586	20.0
0.655	25.0
0.726	30.0
0.799	35.0
0.878	40.0
0.962	45.0
1.053	50.0
1.151	55.0
1.261	60.0
1.386	65.0
1.530	70.0
1.698	75.0
1.901	80.0
2.157	85.0
2.527	90.0
3.122	95.0
4.405	99.0

0.01-20µm

Obere Kornklasse [µm]	Q3(x) [%]
0.015	0.0
0.030	0.0
0.050	0.0
0.100	0.0
0.200	0.1
0.300	1.9
0.500	13.8
0.800	35.0
1.000	47.2
1.500	69.0
2.000	82.1
3.000	94.2
4.000	98.3
5.000	99.6
6.000	99.9
7.000	100.0
8.000	100.0
9.000	100.0
10.000	100.0
12.000	100.0
15.000	100.0
18.000	100.0
20.000	100.0



Meas. No. 2388 SOP 0 Date 14.12.2007 10:02:54 Operator: FRITSCHLAN\benes

Material: **zinc oxide powder** **120min p-7 premium line**

Description: zinc oxide powder  
120min p-7 premium line in 45ml ZrO<sub>2</sub> + 180x5mm balls

Calculation Automatische Modellerkennung

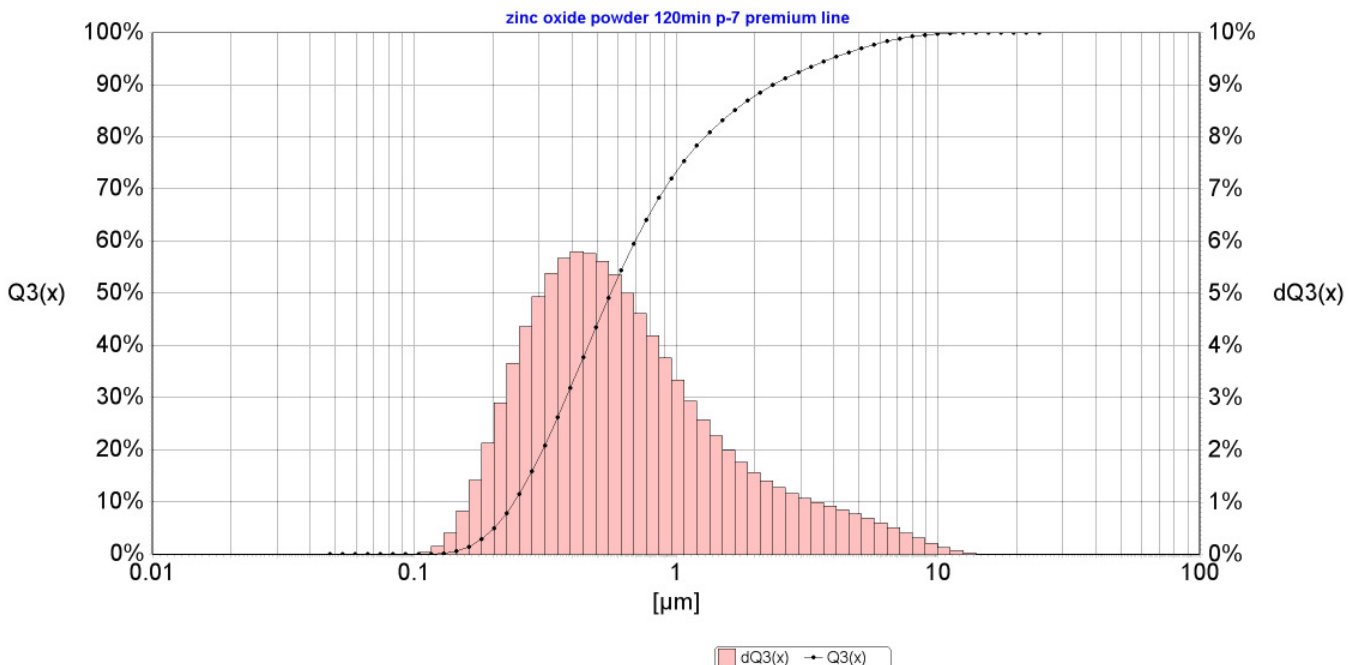
Mode	Wet	Serial No.	22.2000.00/90771
Beam absorption	13.0 %	Pump	40.00 %
Meas. range	0.01 µm - 53.08 µm	Cellposition	1
Channels	108	Ultrasonic	An
Scans	100	Prot.-No.:	

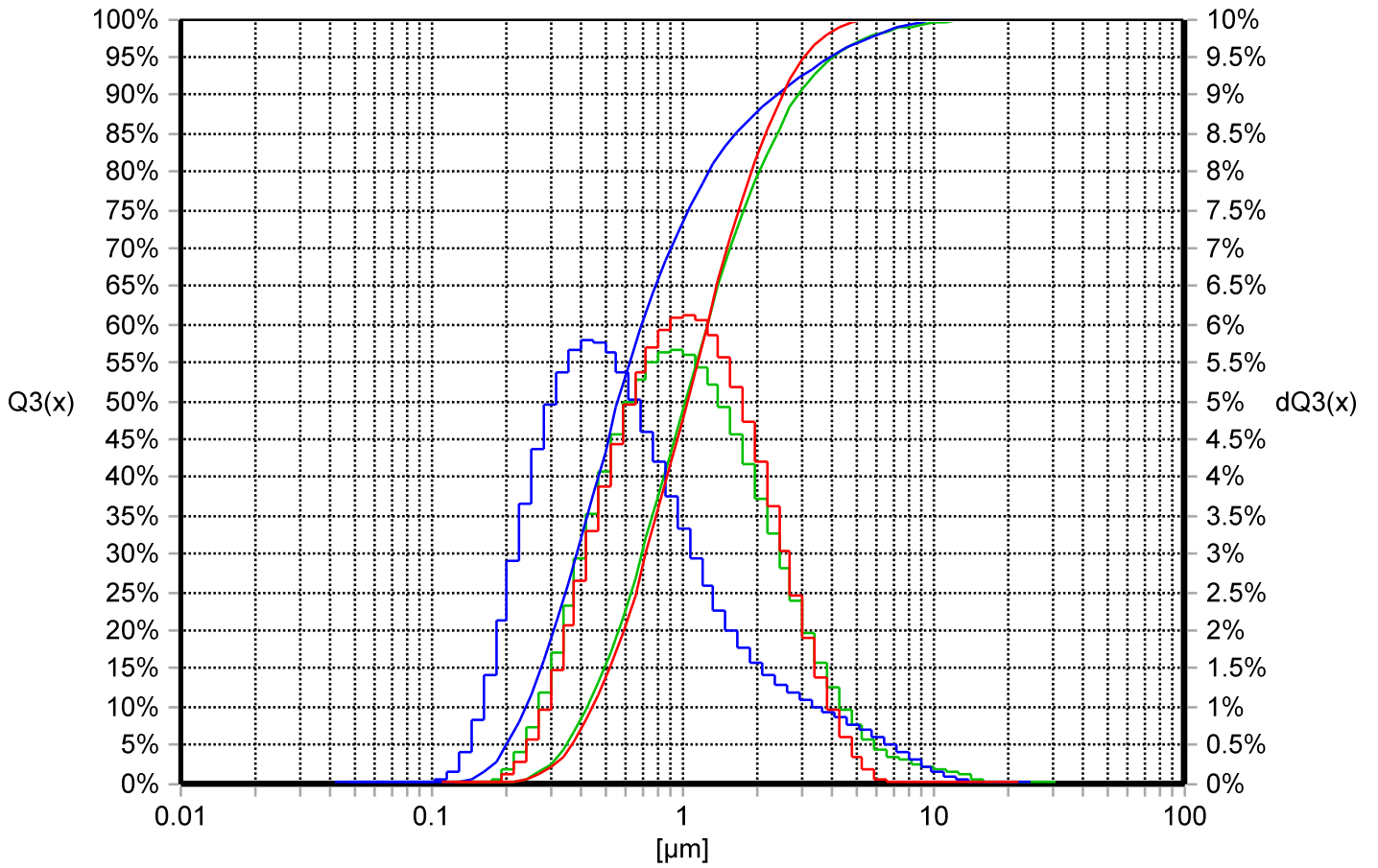
5-99%

Obere Kornklasse [µm]	Q3(x) [%]
0.202	5.0
0.241	10.0
0.276	15.0
0.310	20.0
0.345	25.0
0.380	30.0
0.419	35.0
0.463	40.0
0.510	45.0
0.563	50.0
0.624	55.0
0.699	60.0
0.790	65.0
0.908	70.0
1.063	75.0
1.295	80.0
1.666	85.0
2.363	90.0
3.933	95.0
7.558	99.0

0.01-20µm

Obere Kornklasse [µm]	Q3(x) [%]
0.015	0.0
0.030	0.0
0.050	0.0
0.100	0.0
0.200	4.8
0.300	18.5
0.500	44.1
0.800	65.5
1.000	73.2
1.500	83.1
2.000	87.8
3.000	92.5
4.000	95.1
5.000	96.8
6.000	97.9
7.000	98.7
8.000	99.2
9.000	99.5
10.000	99.7
12.000	99.9
15.000	100.0
18.000	100.0
20.000	100.0





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|-------------------------------------|----------------------|-------------------------------------|----------------------|-------------------------------------|----------------------|
| <input checked="" type="checkbox"/> | 2386 z...original dQ | <input checked="" type="checkbox"/> | 2386 z... original Q | <input checked="" type="checkbox"/> | 2388 z...ium line dQ |
| <input checked="" type="checkbox"/> | 2388 z...mium line Q | <input checked="" type="checkbox"/> | 2387 z...ium line dQ | <input checked="" type="checkbox"/> | 2387 z...mium line Q |