

# Fritsch Particle Sizer 'analysette 22'

## NanoTec

Mess Nr. 610	Datum 04.07.2011	Zeit 15:50	Benutzer Gerber	ID 1100	Serien Nr. 001
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110135 silcon powder  
 P7pl 1100rpm 45ml ZrO2 1mm in silicon oil D200  
 predisp. with 1dr. of SHO400 1min US

Messbereich	0.1 [µm] - 132.71 [µm]	Pumpe	60 [%]
Auflösung	108 Kanäle (20 mm / 50 mm )	Ultraschall	Aus
Absorption	15.00 [%]		
Mess Dauer	40 [Scans]		

Regularization / Modell o\_very\_broad

Mie Theorie	Silicon
	Brechungsindex n = 4.200
	Absorptionskoeffizient a = 0.000
	BENZIN
	Brechungsindex n = 1.420

d[4,3] = .49µm	Arithm. Mittel = 0.492 µm	Spezifische Oberfläche = 143897.84 cm <sup>2</sup> /cm <sup>3</sup>
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Interpolationswerte... C:\Fritsch\A22\_32\fritsch\001-5µm.FPS

***** %	<=	0.011 µm	***** %	<=	0.050 µm	***** %	<=	0.100 µm
1.3 %	<=	0.200 µm	16.8 %	<=	0.300 µm	60.3 %	<=	0.500 µm
84.6 %	<=	0.700 µm	97.1 %	<=	1.000 µm	99.9 %	<=	1.500 µm
100.0 %	<=	2.000 µm	100.0 %	<=	3.000 µm	100.0 %	<=	4.000 µm
100.0 %	<=	5.000 µm						

Interpolationswerte... C:\Fritsch\A22\_32\fritsch\5\_99.fpv

5.0 %	<=	0.237 µm	10.0 %	<=	0.268 µm	15.0 %	<=	0.292 µm
20.0 %	<=	0.314 µm	25.0 %	<=	0.336 µm	30.0 %	<=	0.357 µm
35.0 %	<=	0.377 µm	40.0 %	<=	0.399 µm	45.0 %	<=	0.422 µm
50.0 %	<=	0.446 µm	55.0 %	<=	0.471 µm	60.0 %	<=	0.498 µm
65.0 %	<=	0.528 µm	70.0 %	<=	0.562 µm	75.0 %	<=	0.601 µm
80.0 %	<=	0.647 µm	85.0 %	<=	0.705 µm	90.0 %	<=	0.782 µm
95.0 %	<=	0.906 µm	98.0 %	<=	1.058 µm	99.0 %	<=	1.161 µm

