

Fritsch Particle Sizer 'analysette 22'

NanoTec

Mess Nr. 357	Datum 06.05.2011	Zeit 11:10	Benutzer Gerber	ID 1100	Serien Nr. 001
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Bowl 1 Al2O3 80ml ZrO2 0,1mm balls 5hours
 0,1% Na4P2O7 1min ultrasonic

Messbereich	0.01 [µm] - 53.08 [µm]	Pumpe	60 [%]
Auflösung	108 Kanäle (20 mm)	Ultraschall	An
Absorption	6.00 [%]		
Mess Dauer	400 [Scans]		

Regularization / Modell broad

Mie Theorie	Corundum	
	Brechungsindex	n = 1.760
	Absorptionskoeffizient	a = 0.000
	Water (20°C)	
	Brechungsindex	n = 1.3328

d[4,3] = .07µm	Arithm. Mittel = 0.065 µm	Spezifische Oberfläche = 2173789.75 cm ² /cm ³			
Interpolationswerte...	C:\Fritsch\A22_32\fritsch\001-2µm.FPS				
4.0 % <=	0.011 µm	27.9 % <=	0.020 µm	45.4 % <=	0.030 µm
57.0 % <=	0.040 µm	65.4 % <=	0.050 µm	71.7 % <=	0.060 µm
80.3 % <=	0.080 µm	85.8 % <=	0.100 µm	89.5 % <=	0.120 µm
93.1 % <=	0.150 µm	95.3 % <=	0.180 µm	96.3 % <=	0.200 µm
98.5 % <=	0.300 µm	99.0 % <=	0.400 µm	99.2 % <=	0.500 µm
99.2 % <=	0.600 µm	99.3 % <=	0.800 µm	99.4 % <=	1.000 µm
99.5 % <=	1.200 µm	99.6 % <=	1.500 µm	99.8 % <=	2.000 µm

Interpolationswerte...	C:\Fritsch\A22_32\fritsch\5_99.fpv				
5.0 % <=	0.011 µm	10.0 % <=	0.013 µm	15.0 % <=	0.015 µm
20.0 % <=	0.017 µm	25.0 % <=	0.019 µm	30.0 % <=	0.021 µm
35.0 % <=	0.024 µm	40.0 % <=	0.026 µm	45.0 % <=	0.030 µm
50.0 % <=	0.034 µm	55.0 % <=	0.038 µm	60.0 % <=	0.043 µm
65.0 % <=	0.050 µm	70.0 % <=	0.057 µm	75.0 % <=	0.066 µm
80.0 % <=	0.079 µm	85.0 % <=	0.097 µm	90.0 % <=	0.124 µm
95.0 % <=	0.175 µm	98.0 % <=	0.262 µm	99.0 % <=	0.389 µm

