MALVERN INSTRUMENTS MASTERSIZER

Result: Analysis Report

Sample Details

Sample ID: tp1nb3
Sample File: TP1_2013
Sample Path: C:\SIZERS\DATA\TP\TP_1_2~1\
Sample Notes: Al2O3 nom broyé 25-4-01

Run Number: 1
Record Number: 1

Measured: Wed Apr 25 2001 4:42PM
Analysed: Wed Apr 25 2001 4:42PM
Result Source: Analysed

System Details

Range Lens: 300RF mm
Presentation: 3_RHD
Analysis Model: Polydisperse
Modifications: None

Beam Length: 2.40 mm
[Particle R.I. = (1.7700, 0.1000); Dispersant R.I. = 1.3300]

Sampler: MS1

Obscuration: 12.8 %
Residual: 0.976 %

Result Statistics

Distribution Type: Volume
Mean Diameters:
D [4, 3] = 27.72 um

Concentration = 0.0184 %Vol
D (v, 0.1) = 9.61 um
D [3, 2] = 5.45 um

Density = 3.987 g / cub. cm
D (v, 0.5) = 26.48 um
Span = 1.432E+00

Specific S.A. = 0.2760 sq. m / g
D (v, 0.9) = 47.54 um
Uniformity = 4.427E-01

Size Low (um)	In %	Size High (um)	Under%
0.05	0.01	0.06	0.01
0.06	0.02	0.07	0.02
0.07	0.03	0.08	0.06
0.08	0.06	0.09	0.11
0.09	0.09	0.11	0.20
0.11	0.12	0.13	0.32
0.13	0.15	0.15	0.47
0.15	0.19	0.17	0.66
0.17	0.23	0.20	0.89
0.20	0.26	0.23	1.15
0.23	0.28	0.27	1.43
0.27	0.29	0.31	1.72
0.31	0.26	0.36	1.98
0.36	0.23	0.42	2.21
0.42	0.20	0.49	2.41
0.49	0.17	0.58	2.58
0.58	0.14	0.67	2.72
0.67	0.10	0.78	2.82
0.78	0.08	0.91	2.90
0.91	0.05	1.06	2.95
1.06	0.02	1.24	2.97
1.24	0.20	1.44	3.17
1.44	0.21	1.68	3.38
1.68	0.24	1.95	3.62
1.95	0.29	2.28	3.91
2.28	0.35	2.65	4.26
2.65	0.42	3.09	4.68
3.09	0.48	3.60	5.16
3.60	0.53	4.19	5.69
4.19	0.56	4.88	6.24
4.88	0.58	5.69	6.83
5.69	0.64	6.63	7.47

Size Low (um)	In %	Size High (um)	Under%
6.63	0.79	7.72	8.26
7.72	1.11	9.00	9.37
9.00	1.65	10.48	11.02
10.48	2.50	12.21	13.52
12.21	3.70	14.22	17.22
14.22	5.27	16.57	22.49
16.57	7.13	19.31	29.62
19.31	9.02	22.49	38.64
22.49	10.58	26.20	49.21
26.20	11.54	30.53	60.76
30.53	11.94	35.56	72.69
35.56	10.20	41.43	82.89
41.43	7.77	48.27	90.66
48.27	5.20	56.23	95.86
56.23	2.91	65.51	98.77
65.51	1.23	76.32	100.00
76.32	0.00	88.91	100.00
88.91	0.00	103.58	100.00
103.58	0.00	120.67	100.00
120.67	0.00	140.58	100.00
140.58	0.00	163.77	100.00
163.77	0.00	190.80	100.00
190.80	0.00	222.28	100.00
222.28	0.00	258.95	100.00
258.95	0.00	301.68	100.00
301.68	0.00	351.46	100.00
351.46	0.00	409.45	100.00
409.45	0.00	477.01	100.00
477.01	0.00	555.71	100.00
555.71	0.00	647.41	100.00
647.41	0.00	754.23	100.00
754.23	0.00	878.67	100.00