



# BT-9300S laser particle size analyzer

## Particle size analysis report

Range : 0.1um - 716um

Sample Name:Al-S-10		SampleOwner:mohammadi		
Medium Name:Water		MeasureDept:khpmco		
Matter Index:2.50000+3.00000 Optical:Mie		Operator:mohammadi		
Medium Index:1.333	Mode:7.22 - 1	Test Date:2017-02-16	Test Time:09:06:57	
Remark: (1:3.00)-0-(0:3)				
D50:6.393um	D[4,3]:6.536um	D[3,2]:5.641um	Obscuration:17.30%	
Span:0.950	D[2,1]:4.700um	SSA:3939cm <sup>2</sup> /g	Residual:7.224%	
D3:2.588um	D6:3.131um	D10:3.624um	D16:4.199um	D25:4.865um
D75:8.026um	D84:8.876um	D90:9.698um	D97:11.42um	D98:11.92um

Diam um	Diff%	Cumu%	Diam um	Diff%	Cumu%	Diam um	Diff%	Cumu%	Diam um	Diff%	Cumu%
0.000 - 0.100	0	0	0.812 - 0.903	0	0	7.640 - 8.502	10.52	80.03	71.88 - 79.99	0	100
0.100 - 0.111	0	0	0.903 - 1.004	0	0	8.502 - 9.461	8.28	88.31	79.99 - 89.01	0	100
0.111 - 0.123	0	0	1.004 - 1.117	0	0	9.461 - 10.52	5.76	94.07	89.01 - 99.05	0	100
0.123 - 0.136	0	0	1.117 - 1.243	0	0	10.52 - 11.70	3.47	97.54	99.05 - 110.2	0	100
0.136 - 0.151	0	0	1.243 - 1.383	0	0	11.70 - 13.02	1.72	99.26	110.2 - 122.6	0	100
0.151 - 0.168	0	0	1.383 - 1.539	0.03	0.03	13.02 - 14.48	0.62	99.88	122.6 - 136.4	0	100
0.168 - 0.186	0	0	1.539 - 1.712	0.16	0.19	14.48 - 16.11	0.12	100	136.4 - 151.7	0	100
0.186 - 0.206	0	0	1.712 - 1.905	0.37	0.56	16.11 - 17.92	0	100	151.7 - 168.8	0	100
0.206 - 0.229	0	0	1.905 - 2.120	0.63	1.19	17.92 - 19.94	0	100	168.8 - 187.8	0	100
0.229 - 0.254	0	0	2.120 - 2.359	0.85	2.04	19.94 - 22.19	0	100	187.8 - 208.9	0	100
0.254 - 0.282	0	0	2.359 - 2.625	1.12	3.16	22.19 - 24.69	0	100	208.9 - 232.4	0	100
0.282 - 0.313	0	0	2.625 - 2.921	1.53	4.69	24.69 - 27.47	0	100	232.4 - 258.6	0	100
0.313 - 0.348	0	0	2.921 - 3.250	2.18	6.87	27.47 - 30.57	0	100	258.6 - 287.7	0	100
0.348 - 0.387	0	0	3.250 - 3.616	3.05	9.92	30.57 - 34.02	0	100	287.7 - 320.1	0	100
0.387 - 0.430	0	0	3.616 - 4.024	4.15	14.07	34.02 - 37.85	0	100	320.1 - 356.2	0	100
0.430 - 0.478	0	0	4.024 - 4.478	5.52	19.59	37.85 - 42.12	0	100	356.2 - 396.4	0	100
0.478 - 0.531	0	0	4.478 - 4.983	7.17	26.76	42.12 - 46.87	0	100	396.4 - 441.1	0	100
0.531 - 0.590	0	0	4.983 - 5.545	8.91	35.67	46.87 - 52.16	0	100	441.1 - 490.8	0	100
0.590 - 0.656	0	0	5.545 - 6.170	10.51	46.18	52.16 - 58.04	0	100	490.8 - 546.1	0	100
0.656 - 0.730	0	0	6.170 - 6.866	11.59	57.77	58.04 - 64.59	0	100	546.1 - 607.7	0	100
0.730 - 0.812	0	0	6.866 - 7.640	11.74	69.51	64.59 - 71.88	0	100	607.7 - 716.0	0	100

