



Size Distribution Report by Intensity



www.nanolab.co

Sample Details

General Notes:

Sample Name: 9303-393-0958 1 **Dispersant Name:** Water
Record Number: 257 **Dispersant RI:** 1.330
Material RI: 1.59 **Viscosity (cP):** 0.8872
Material Absorbtion: 0.01 **Measurement Date and Time:** Saturday, June 21, 2014 7:56:42 AM

System

Temperature (°C): 25.0 **Duration Used (s):** 2
Count Rate (kcps): 212.4 **Measurement Position (mm):** 4.65
Cell Description: Disposable sizing cuvette **Attenuator:** 9

Results

Z-Average (d.nm): 421.0

Pdl: 0.404

Intercept: 0.945

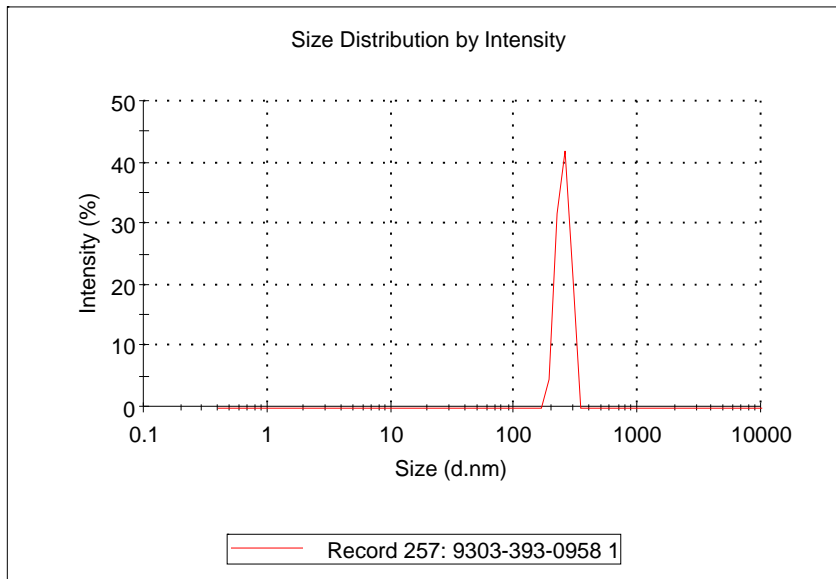
Cumulants Fit Error: 0.00520

Multimodal Fit Error: 0.0183

	Diam. (nm)	% Intensity	Width (nm)
Peak 1:	249.7	100.0	30.14
Peak 2:	0.000	0.0	0.000
Peak 3:	0.000	0.0	0.000

In Range: 83.5

Result quality : Refer to quality report



Size d.nm	Intensity %	Size d.nm	Intensity %
0.4000	0.0	68.06	0.0
0.4632	0.0	78.82	0.0
0.5365	0.0	91.28	0.0
0.6213	0.0	105.7	0.0
0.7195	0.0	122.4	0.0
0.8332	0.0	141.8	0.0
0.9649	0.0	164.2	0.0
1.117	0.0	190.1	4.7
1.294	0.0	220.2	31.6
1.499	0.0	255.0	41.8
1.736	0.0	295.3	21.8
2.010	0.0	342.0	0.0
2.328	0.0	396.1	0.0
2.696	0.0	458.7	0.0
3.122	0.0	531.2	0.0
3.615	0.0	615.1	0.0
4.187	0.0	712.4	0.0
4.849	0.0	825.0	0.0
5.615	0.0	955.4	0.0
6.503	0.0	1106	0.0
7.531	0.0	1281	0.0
8.721	0.0	1484	0.0
10.10	0.0	1718	0.0
11.70	0.0	1990	0.0
13.54	0.0	2305	0.0
15.69	0.0	2669	0.0
18.17	0.0	3091	0.0
21.04	0.0	3580	0.0
24.36	0.0	4145	0.0
28.21	0.0	4801	0.0
32.67	0.0	5560	0.0
37.84	0.0	6439	0.0
43.82	0.0	7456	0.0
50.75	0.0	8635	0.0
58.77	0.0	1.000e4	0.0

**آدرس : تهران، ابتدای جاده مخصوص کرج (شهید لشکری)، بعد از
 شهرک شهید فکوری، انتهای خیابان ریاحی، بن بست ۱۱، پلاک ۲**

تلفن : ۰۲۱۴۴۶۹۷۱۱۸



Size Distribution Report by Volume

www.nanolab.co



Sample Details

General Notes:

Sample Name: 9303-393-0958 1 **Dispersant Name:** Water
Record Number: 257 **Dispersant RI:** 1.330
Material RI: 1.59 **Viscosity (cP):** 0.8872
Material Absorbtion: 0.01 **Measurement Date and Time:** Saturday, June 21, 2014 7:5...

System

Temperature (°C): 25.0 **Duration Used (s):** 2
Count Rate (kcps): 212.4 **Measurement Position (mm):** 4.65
Cell Description: Disposable sizing cuvette **Attenuator:** 9

Results

Z-Average (d.nm): 421.0

Pdl: 0.404

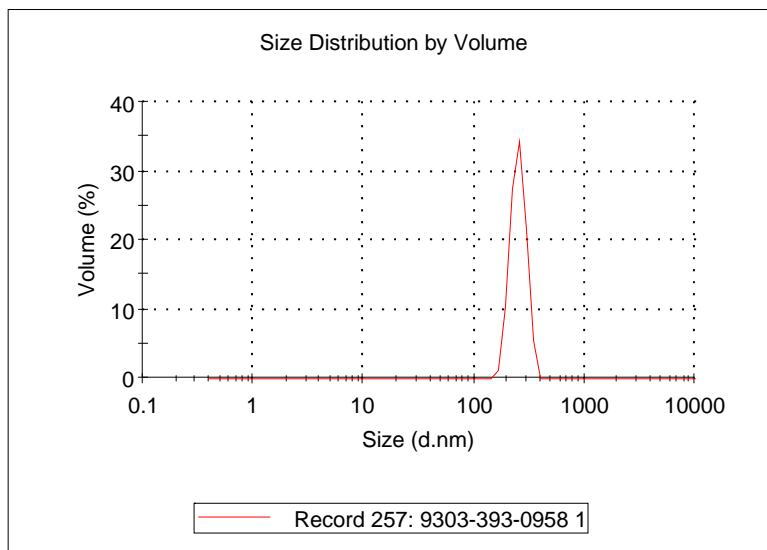
Intercept: 0.945

Cumulants Fit Error: 0.00520

Multimodal Fit Error: 0.0183

In Range: 83.5

Result quality : Refer to quality report



Size d.nm	Volume %	Size d.nm	Volume %
0.4000	0.0	68.06	0.0
0.4632	0.0	78.82	0.0
0.5365	0.0	91.28	0.0
0.6213	0.0	105.7	0.0
0.7195	0.0	122.4	0.0
0.8332	0.0	141.8	0.0
0.9649	0.0	164.2	1.2
1.117	0.0	190.1	10.3
1.294	0.0	220.2	27.4
1.499	0.0	255.0	34.2
1.736	0.0	295.3	21.4
2.010	0.0	342.0	5.5
2.328	0.0	396.1	0.0
2.696	0.0	458.7	0.0
3.122	0.0	531.2	0.0
3.615	0.0	615.1	0.0
4.187	0.0	712.4	0.0
4.849	0.0	825.0	0.0
5.615	0.0	955.4	0.0
6.503	0.0	1106	0.0
7.531	0.0	1281	0.0
8.721	0.0	1484	0.0
10.10	0.0	1718	0.0
11.70	0.0	1990	0.0
13.54	0.0	2305	0.0
15.69	0.0	2669	0.0
18.17	0.0	3091	0.0
21.04	0.0	3580	0.0
24.36	0.0	4145	0.0
28.21	0.0	4801	0.0
32.67	0.0	5560	0.0
37.84	0.0	6439	0.0
43.82	0.0	7456	0.0
50.75	0.0	8635	0.0
58.77	0.0	1.000e4	0.0

آدرس : تهران، ابتدای جاده مخصوص کرج (شهید لشگری)، بعد از شهرک

شهید فکوری، انتهای خیابان ریاحی، بن بست ۱۱، پلاک ۲

تلفن : ۰۲۱۴۴۶۹۷۱۱۸



Size Distribution Report by Number

www.nanolab.co



Sample Details

General Notes:

Sample Name: 9303-393-0958 1 **Dispersant Name:** Water
Record Number: 257 **Dispersant RI:** 1.330
Material RI: 1.59 **Viscosity (cP):** 0.8872
Material Absorbtion: 0.01 **Measurement Date and Time:** Saturday, June 21, 2014 7:5...

System

Temperature (°C): 25.0 **Duration Used (s):** 2
Count Rate (kcps): 212.4 **Measurement Position (mm):** 4.65
Cell Description: Disposable sizing cuvette **Attenuator:** 9

Results

Z-Average (d.nm): 421.0

Pdl: 0.404

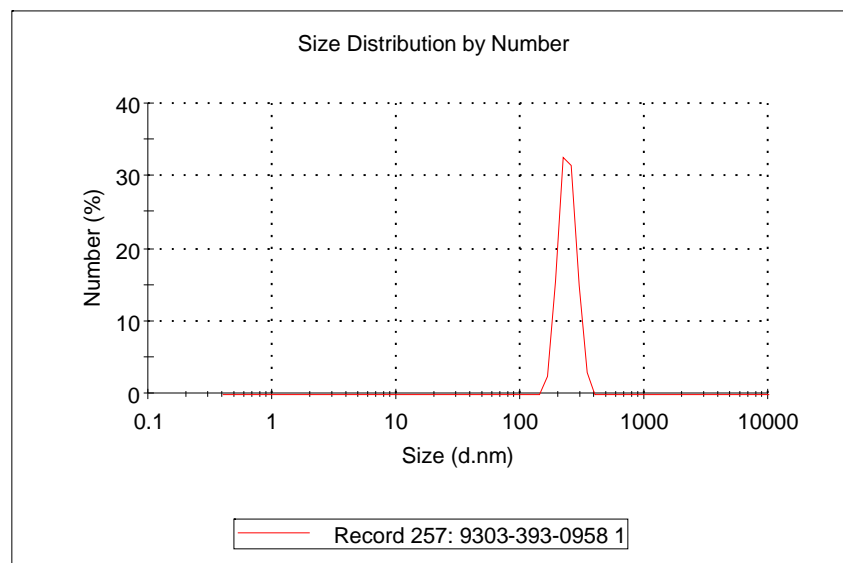
Intercept: 0.945

Cumulants Fit Error: 0.00520

Multimodal Fit Error: 0.0183

In Range: 83.5

Result quality :Refer to quality report



Size d.nm	Number %	Size d.nm	Number %
0.4000	0.0	68.06	0.0
0.4632	0.0	78.82	0.0
0.5365	0.0	91.28	0.0
0.6213	0.0	105.7	0.0
0.7195	0.0	122.4	0.0
0.8332	0.0	141.8	0.0
0.9649	0.0	164.2	2.5
1.117	0.0	190.1	15.5
1.294	0.0	220.2	32.5
1.499	0.0	255.0	31.4
1.736	0.0	295.3	15.0
2.010	0.0	342.0	3.0
2.328	0.0	396.1	0.0
2.696	0.0	458.7	0.0
3.122	0.0	531.2	0.0
3.615	0.0	615.1	0.0
4.187	0.0	712.4	0.0
4.849	0.0	825.0	0.0
5.615	0.0	955.4	0.0
6.503	0.0	1106	0.0
7.531	0.0	1281	0.0
8.721	0.0	1484	0.0
10.10	0.0	1718	0.0
11.70	0.0	1990	0.0
13.54	0.0	2305	0.0
15.69	0.0	2669	0.0
18.17	0.0	3091	0.0
21.04	0.0	3580	0.0
24.36	0.0	4145	0.0
28.21	0.0	4801	0.0
32.67	0.0	5560	0.0
37.84	0.0	6439	0.0
43.82	0.0	7456	0.0
50.75	0.0	8635	0.0
58.77	0.0	1.000e4	0.0

**آدرس: تهران، ابتدای جاده مخصوص کرج (شهید لشگری)، بعد از
 شهرک شهید فکوری، انتهای خیابان ریاحی، بن بست ۱۱، پلاک ۲**

تلفن: ۰۲۱۴۴۶۹۷۱۱۸