

Measurement Details

Operator Name chem
Sample Name Pure Bean 2 - EtOH (1.5-2 fine)
SOP File Name HydroEV.cfg

Measurement Details

Analysis Date Time 24/01/2019 14:57:27
Measurement Date Time 24/01/2019 13:40:54
Result Source Edited

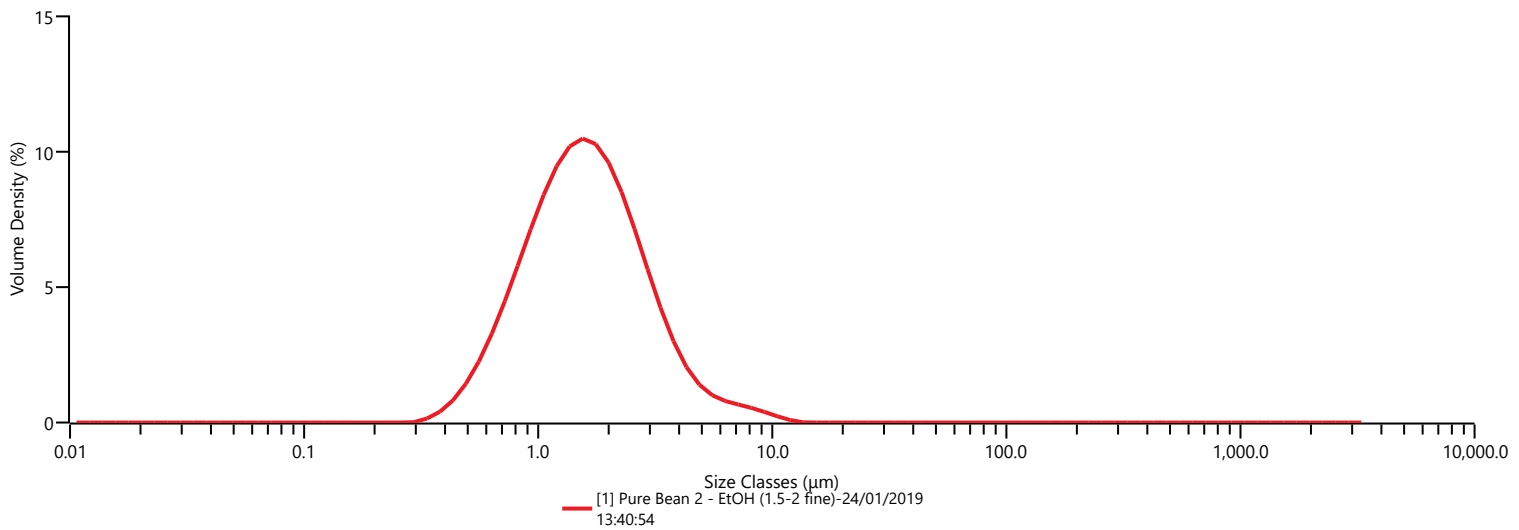
Analysis

Particle Name 2
Particle Refractive Index 1.500
Particle Absorption Index 2.000
Dispersant Name Ethanol
Dispersant Refractive Index 1.360
Scattering Model Mie
Analysis Model General Purpose
Weighted Residual 0.60 %
Laser Obscuration 8.58 %

Result

Concentration 0.0012 %
Span 1.659
Uniformity 0.550
Specific Surface Area 4453 m²/kg
D [3,2] 1.347 μm
D [4,3] 1.909 μm
Dv (10) 0.752 μm
Dv (50) 1.565 μm
Dv (90) 3.349 μm
Dv (97) 5.268 μm

Frequency (compatible)



Result

Size (μm)	% Volume In	Size (μm)	% Volume In	Size (μm)	% Volume In	Size (μm)	% Volume In	Size (μm)	% Volume In	Size (μm)	% Volume In	Size (μm)	% Volume In
0.010	0.00	0.060	0.00	0.357	0.32	2.131	7.11	12.726	0.00	76.006	0.00	453.960	0.00
0.011	0.00	0.068	0.00	0.405	0.67	2.421	5.96	14.458	0.00	86.355	0.00	515.772	0.00
0.013	0.00	0.077	0.00	0.460	1.18	2.750	4.72	16.427	0.00	98.114	0.00	586.001	0.00
0.015	0.00	0.088	0.00	0.523	1.87	3.125	3.52	18.664	0.00	111.473	0.00	665.793	0.00
0.017	0.00	0.100	0.00	0.594	2.72	3.550	2.48	21.205	0.00	126.652	0.00	756.449	0.00
0.019	0.00	0.113	0.00	0.675	3.73	4.034	1.68	24.092	0.00	143.897	0.00	859.450	0.00
0.022	0.00	0.128	0.00	0.767	4.83	4.583	1.14	27.373	0.00	163.490	0.00	976.475	0.00
0.024	0.00	0.146	0.00	0.872	5.96	5.207	0.83	31.100	0.00	185.752	0.00	1109.435	0.00
0.028	0.00	0.166	0.00	0.991	7.03	5.916	0.66	35.335	0.00	211.044	0.00	1260.499	0.00
0.032	0.00	0.188	0.00	1.125	7.92	6.722	0.55	40.146	0.00	239.780	0.00	1432.133	0.00
0.036	0.00	0.214	0.00	1.279	8.53	7.637	0.45	45.613	0.00	272.430	0.00	1627.136	0.00
0.041	0.00	0.243	0.00	1.453	8.78	8.677	0.33	51.823	0.00	309.525	0.00	1848.692	0.00
0.046	0.00	0.276	0.00	1.651	8.61	9.858	0.19	58.880	0.00	351.670	0.00	2100.416	0.00
0.053	0.00	0.314	0.12	1.875	8.03	11.201	0.07	66.897	0.00	399.555	0.00	2386.415	0.00

Measurement Details

Operator Name chem
Sample Name Pure Bean 2 - EtOH (1.5-2 fine)
SOP File Name HydroEV.cfg

Measurement Details

Analysis Date Time 24/01/2019 14:57:28
Measurement Date Time 24/01/2019 13:41:05
Result Source Edited

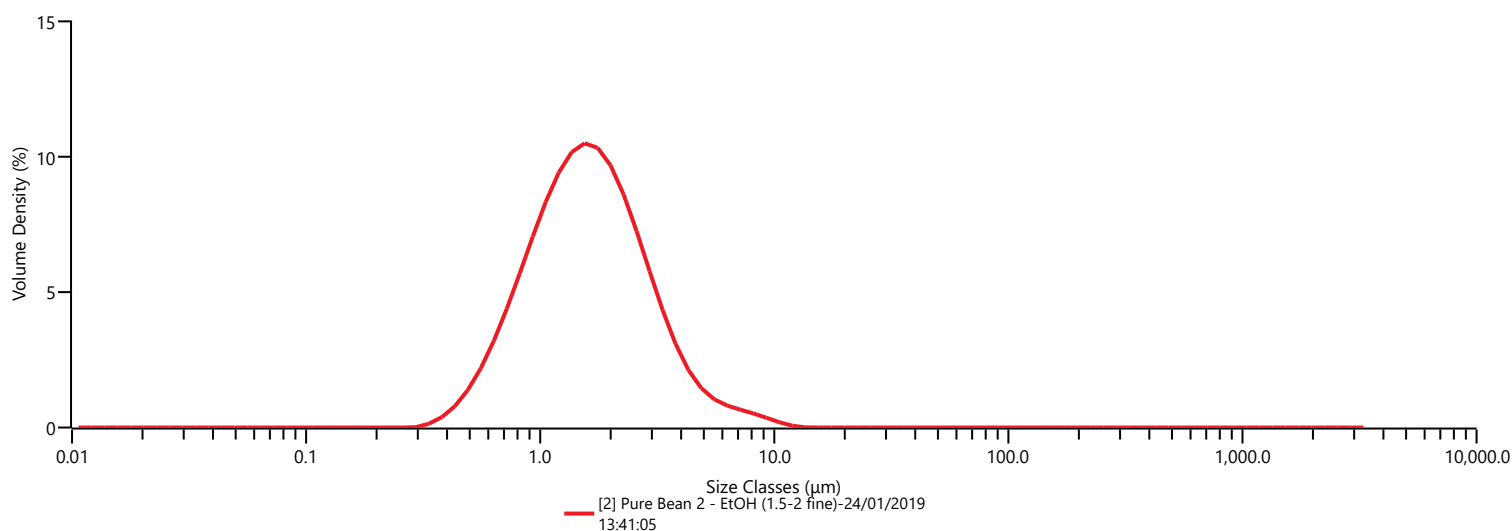
Analysis

Particle Name 2
Particle Refractive Index 1.500
Particle Absorption Index 2.000
Dispersant Name Ethanol
Dispersant Refractive Index 1.360
Scattering Model Mie
Analysis Model General Purpose
Weighted Residual 0.61 %
Laser Obscuration 8.55 %

Result

Concentration 0.0012 %
Span 1.653
Uniformity 0.545
Specific Surface Area 4419 m²/kg
D [3,2] 1.358 μm
D [4,3] 1.916 μm
Dv (10) 0.759 μm
Dv (50) 1.578 μm
Dv (90) 3.368 μm
Dv (97) 5.221 μm

Frequency (compatible)



Result

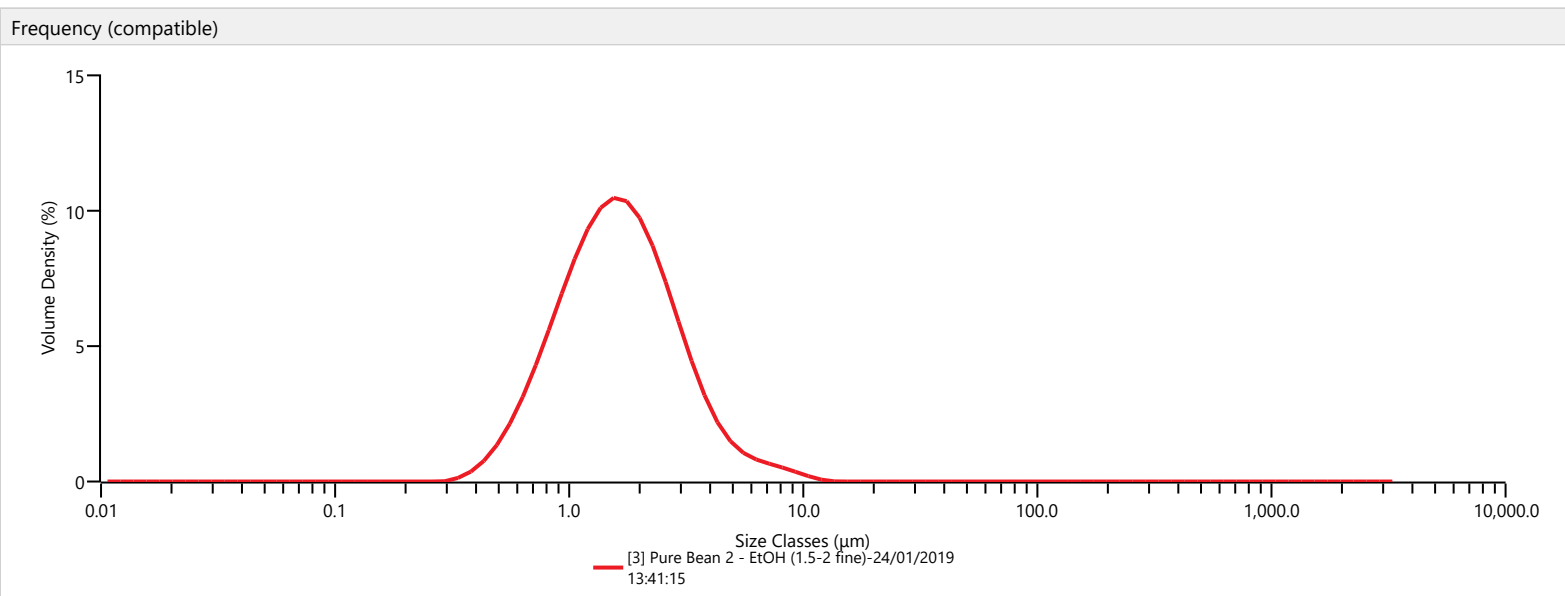
Size (μm)	% Volume In	Size (μm)	% Volume In	Size (μm)	% Volume In	Size (μm)	% Volume In	Size (μm)	% Volume In	Size (μm)	% Volume In	Size (μm)	% Volume In
0.010	0.00	0.060	0.00	0.357	0.31	2.131	7.20	12.726	0.00	76.006	0.00	453.960	0.00
0.011	0.00	0.068	0.00	0.405	0.64	2.421	6.06	14.458	0.00	86.355	0.00	515.772	0.00
0.013	0.00	0.077	0.00	0.460	1.14	2.750	4.81	16.427	0.00	98.114	0.00	586.001	0.00
0.015	0.00	0.088	0.00	0.523	1.81	3.125	3.61	18.664	0.00	111.473	0.00	665.793	0.00
0.017	0.00	0.100	0.00	0.594	2.66	3.550	2.56	21.205	0.00	126.652	0.00	756.449	0.00
0.019	0.00	0.113	0.00	0.675	3.65	4.034	1.75	24.092	0.00	143.897	0.00	859.450	0.00
0.022	0.00	0.128	0.00	0.767	4.75	4.583	1.19	27.373	0.00	163.490	0.00	976.475	0.00
0.024	0.00	0.146	0.00	0.872	5.88	5.207	0.85	31.100	0.00	185.752	0.00	1109.435	0.00
0.028	0.00	0.166	0.00	0.991	6.96	5.916	0.67	35.335	0.00	211.044	0.00	1260.499	0.00
0.032	0.00	0.188	0.00	1.125	7.87	6.722	0.55	40.146	0.00	239.780	0.00	1432.133	0.00
0.036	0.00	0.214	0.00	1.279	8.51	7.637	0.43	45.613	0.00	272.430	0.00	1627.136	0.00
0.041	0.00	0.243	0.00	1.453	8.79	8.677	0.30	51.823	0.00	309.525	0.00	1848.692	0.00
0.046	0.00	0.276	0.00	1.651	8.65	9.858	0.16	58.880	0.00	351.670	0.00	2100.416	0.00
0.053	0.00	0.314	0.11	1.875	8.10	11.201	0.05	66.897	0.00	399.555	0.00	2386.415	0.00

Measurement Details	
Operator Name	chem
Sample Name	Pure Bean 2 - EtOH (1.5-2 fine)
SOP File Name	HydroEV.cfg

Measurement Details	
Analysis Date Time	24/01/2019 14:57:28
Measurement Date Time	24/01/2019 13:41:15
Result Source	Edited

Analysis	
Particle Name	2
Particle Refractive Index	1.500
Particle Absorption Index	2.000
Dispersant Name	Ethanol
Dispersant Refractive Index	1.360
Scattering Model	Mie
Analysis Model	General Purpose
Weighted Residual	0.59 %
Laser Obscuration	8.51 %

Result	
Concentration	0.0013 %
Span	1.650
Uniformity	0.544
Specific Surface Area	4382 m ² /kg
D [3,2]	1.369 μm
D [4,3]	1.931 μm
Dv (10)	0.765 μm
Dv (50)	1.593 μm
Dv (90)	3.395 μm
Dv (97)	5.235 μm



Result													
Size (μm)	% Volume In	Size (μm)	% Volume In	Size (μm)	% Volume In	Size (μm)	% Volume In	Size (μm)	% Volume In	Size (μm)	% Volume In	Size (μm)	% Volume In
0.010	0.00	0.060	0.00	0.357	0.29	2.131	7.28	12.726	0.00	76.006	0.00	453.960	0.00
0.011	0.00	0.068	0.00	0.405	0.62	2.421	6.16	14.458	0.00	86.355	0.00	515.772	0.00
0.013	0.00	0.077	0.00	0.460	1.11	2.750	4.92	16.427	0.00	98.114	0.00	586.001	0.00
0.015	0.00	0.088	0.00	0.523	1.77	3.125	3.71	18.664	0.00	111.473	0.00	665.793	0.00
0.017	0.00	0.100	0.00	0.594	2.60	3.550	2.64	21.205	0.00	126.652	0.00	756.449	0.00
0.019	0.00	0.113	0.00	0.675	3.58	4.034	1.80	24.092	0.00	143.897	0.00	859.450	0.00
0.022	0.00	0.128	0.00	0.767	4.66	4.583	1.22	27.373	0.00	163.490	0.00	976.475	0.00
0.024	0.00	0.146	0.00	0.872	5.79	5.207	0.87	31.100	0.00	185.752	0.00	1109.435	0.00
0.028	0.00	0.166	0.00	0.991	6.87	5.916	0.67	35.335	0.00	211.044	0.00	1260.499	0.00
0.032	0.00	0.188	0.00	1.125	7.80	6.722	0.55	40.146	0.00	239.780	0.00	1432.133	0.00
0.036	0.00	0.214	0.00	1.279	8.46	7.637	0.43	45.613	0.00	272.430	0.00	1627.136	0.00
0.041	0.00	0.243	0.00	1.453	8.77	8.677	0.30	51.823	0.00	309.525	0.00	1848.692	0.00
0.046	0.00	0.276	0.00	1.651	8.67	9.858	0.16	58.880	0.00	351.670	0.00	2100.416	0.00
0.053	0.00	0.314	0.10	1.875	8.15	11.201	0.05	66.897	0.00	399.555	0.00	2386.415	0.00

Measurement Details

Operator Name chem
Sample Name Pure Bean 2 - EtOH - dup (1.5-2 fine)
SOP File Name HydroEV.cfg

Measurement Details

Analysis Date Time 24/01/2019 14:57:09
Measurement Date Time 24/01/2019 14:18:09
Result Source Edited

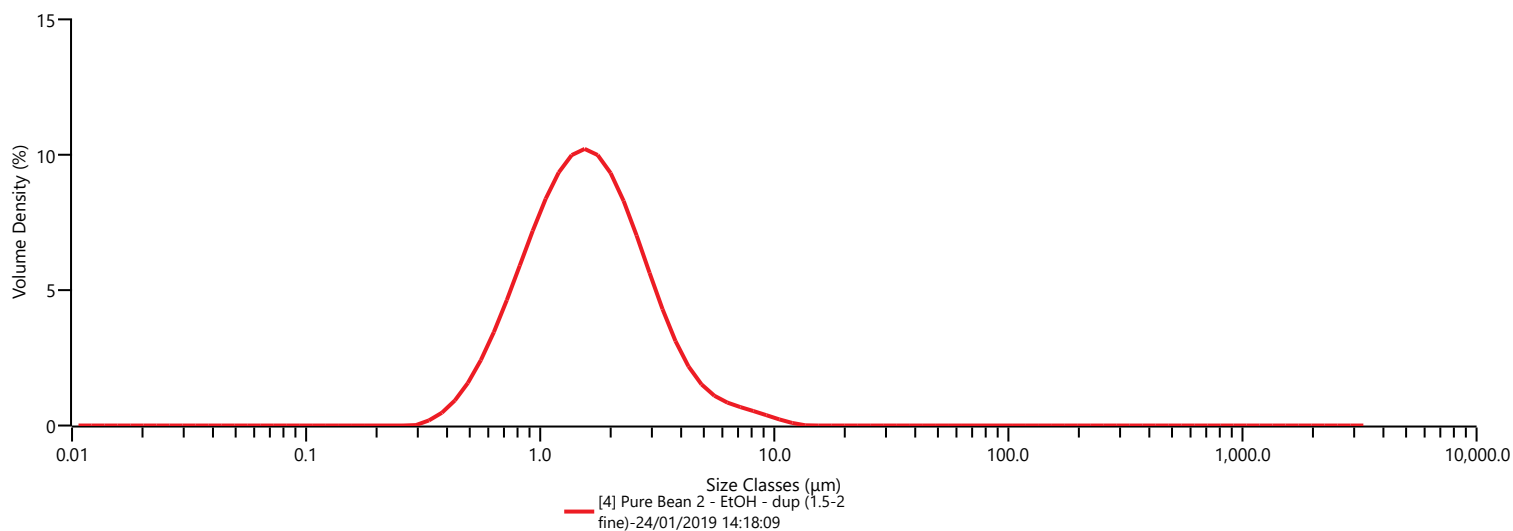
Analysis

Particle Name 2
Particle Refractive Index 1.500
Particle Absorption Index 2.000
Dispersant Name Ethanol
Dispersant Refractive Index 1.360
Scattering Model Mie
Analysis Model General Purpose
Weighted Residual 0.61 %
Laser Obscuration 11.98 %

Result

Concentration 0.0017 %
Span 1.716
Uniformity 0.564
Specific Surface Area 4504 m²/kg
D [3,2] 1.332 μm
D [4,3] 1.913 μm
Dv (10) 0.735 μm
Dv (50) 1.556 μm
Dv (90) 3.405 μm
Dv (97) 5.355 μm

Frequency (compatible)



Result

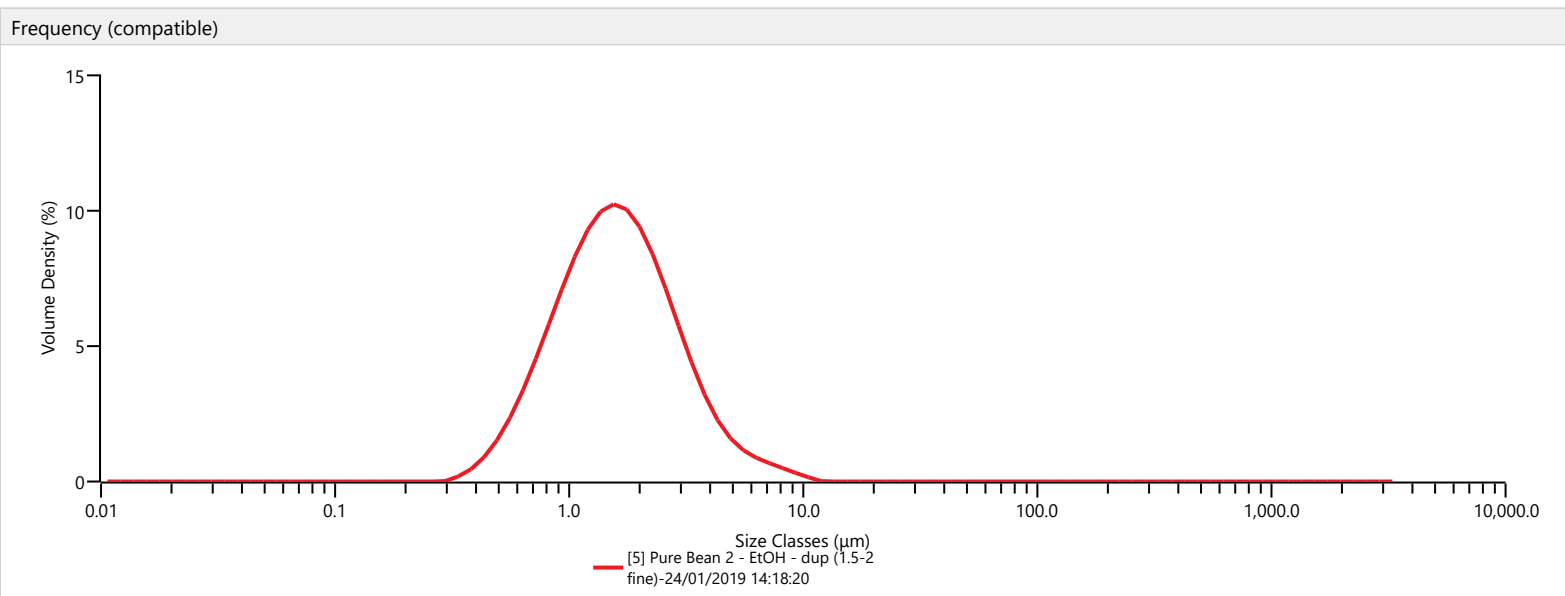
Size (μm)	% Volume In	Size (μm)	% Volume In	Size (μm)	% Volume In	Size (μm)	% Volume In	Size (μm)	% Volume In	Size (μm)	% Volume In	Size (μm)	% Volume In
0.010	0.00	0.060	0.00	0.357	0.38	2.131	6.93	12.726	0.00	76.006	0.00	453.960	0.00
0.011	0.00	0.068	0.00	0.405	0.76	2.421	5.86	14.458	0.00	86.355	0.00	515.772	0.00
0.013	0.00	0.077	0.00	0.460	1.30	2.750	4.70	16.427	0.00	98.114	0.00	586.001	0.00
0.015	0.00	0.088	0.00	0.523	2.00	3.125	3.57	18.664	0.00	111.473	0.00	665.793	0.00
0.017	0.00	0.100	0.00	0.594	2.86	3.550	2.58	21.205	0.00	126.652	0.00	756.449	0.00
0.019	0.00	0.113	0.00	0.675	3.85	4.034	1.80	24.092	0.00	143.897	0.00	859.450	0.00
0.022	0.00	0.128	0.00	0.767	4.93	4.583	1.25	27.373	0.00	163.490	0.00	976.475	0.00
0.024	0.00	0.146	0.00	0.872	6.00	5.207	0.90	31.100	0.00	185.752	0.00	1109.435	0.00
0.028	0.00	0.166	0.00	0.991	7.00	5.916	0.70	35.335	0.00	211.044	0.00	1260.499	0.00
0.032	0.00	0.188	0.00	1.125	7.81	6.722	0.57	40.146	0.00	239.780	0.00	1432.133	0.00
0.036	0.00	0.214	0.00	1.279	8.35	7.637	0.45	45.613	0.00	272.430	0.00	1627.136	0.00
0.041	0.00	0.243	0.00	1.453	8.55	8.677	0.32	51.823	0.00	309.525	0.00	1848.692	0.00
0.046	0.00	0.276	0.00	1.651	8.36	9.858	0.19	58.880	0.00	351.670	0.00	2100.416	0.00
0.053	0.00	0.314	0.15	1.875	7.80	11.201	0.08	66.897	0.00	399.555	0.00	2386.415	0.00

Measurement Details	
Operator Name	chem
Sample Name	Pure Bean 2 - EtOH - dup (1.5-2 fine)
SOP File Name	HydroEV.cfg

Measurement Details	
Analysis Date Time	24/01/2019 14:57:10
Measurement Date Time	24/01/2019 14:18:20
Result Source	Edited

Analysis	
Particle Name	2
Particle Refractive Index	1.500
Particle Absorption Index	2.000
Dispersant Name	Ethanol
Dispersant Refractive Index	1.360
Scattering Model	Mie
Analysis Model	General Purpose
Weighted Residual	0.61 %
Laser Obscuration	11.93 %

Result	
Concentration	0.0018 %
Span	1.705
Uniformity	0.554
Specific Surface Area	4469 m ² /kg
D [3,2]	1.343 μm
D [4,3]	1.913 μm
Dv (10)	0.742 μm
Dv (50)	1.570 μm
Dv (90)	3.419 μm
Dv (97)	5.249 μm



Result													
Size (μm)	% Volume In	Size (μm)	% Volume In	Size (μm)	% Volume In	Size (μm)	% Volume In	Size (μm)	% Volume In	Size (μm)	% Volume In	Size (μm)	% Volume In
0.010	0.00	0.060	0.00	0.357	0.37	2.131	7.02	12.726	0.00	76.006	0.00	453.960	0.00
0.011	0.00	0.068	0.00	0.405	0.73	2.421	5.95	14.458	0.00	86.355	0.00	515.772	0.00
0.013	0.00	0.077	0.00	0.460	1.25	2.750	4.79	16.427	0.00	98.114	0.00	586.001	0.00
0.015	0.00	0.088	0.00	0.523	1.94	3.125	3.66	18.664	0.00	111.473	0.00	665.793	0.00
0.017	0.00	0.100	0.00	0.594	2.79	3.550	2.66	21.205	0.00	126.652	0.00	756.449	0.00
0.019	0.00	0.113	0.00	0.675	3.77	4.034	1.88	24.092	0.00	143.897	0.00	859.450	0.00
0.022	0.00	0.128	0.00	0.767	4.84	4.583	1.32	27.373	0.00	163.490	0.00	976.475	0.00
0.024	0.00	0.146	0.00	0.872	5.92	5.207	0.95	31.100	0.00	185.752	0.00	1109.435	0.00
0.028	0.00	0.166	0.00	0.991	6.93	5.916	0.72	35.335	0.00	211.044	0.00	1260.499	0.00
0.032	0.00	0.188	0.00	1.125	7.77	6.722	0.56	40.146	0.00	239.780	0.00	1432.133	0.00
0.036	0.00	0.214	0.00	1.279	8.34	7.637	0.42	45.613	0.00	272.430	0.00	1627.136	0.00
0.041	0.00	0.243	0.00	1.453	8.57	8.677	0.27	51.823	0.00	309.525	0.00	1848.692	0.00
0.046	0.00	0.276	0.00	1.651	8.41	9.858	0.13	58.880	0.00	351.670	0.00	2100.416	0.00
0.053	0.00	0.314	0.14	1.875	7.87	11.201	0.00	66.897	0.00	399.555	0.00	2386.415	0.00

Measurement Details

Operator Name chem
Sample Name Pure Bean 2 - EtOH - dup (1.5-2 fine)
SOP File Name HydroEV.cfg

Measurement Details

Analysis Date Time 24/01/2019 14:57:10
Measurement Date Time 24/01/2019 14:18:31
Result Source Edited

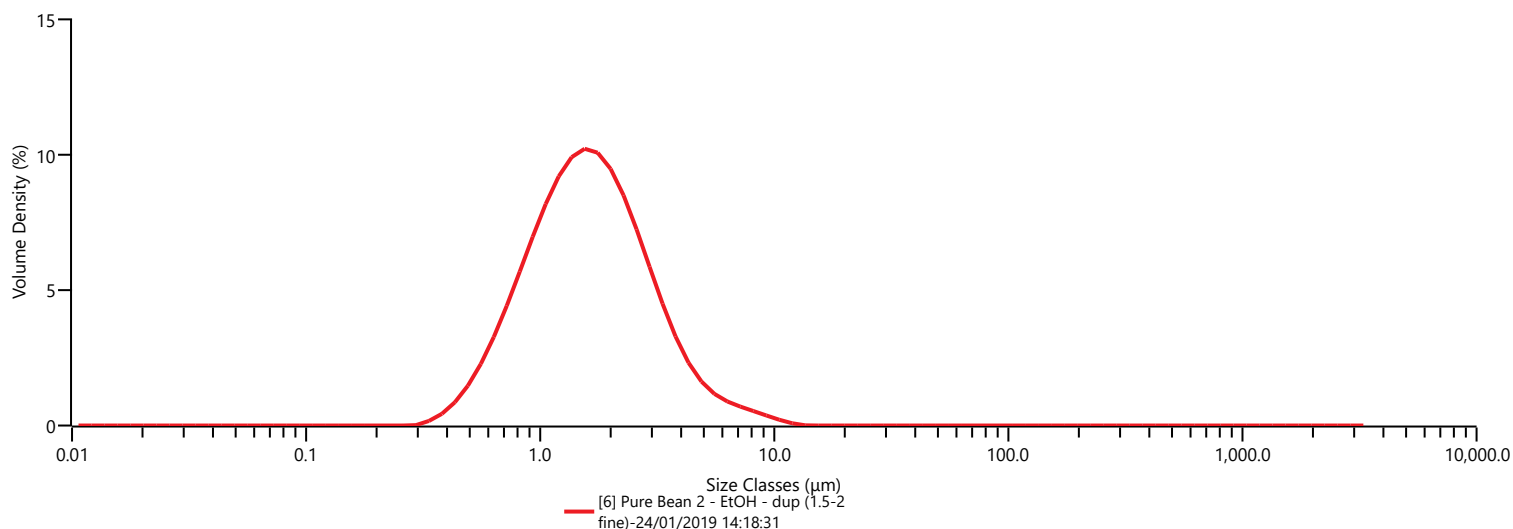
Analysis

Particle Name 2
Particle Refractive Index 1.500
Particle Absorption Index 2.000
Dispersant Name Ethanol
Dispersant Refractive Index 1.360
Scattering Model Mie
Analysis Model General Purpose
Weighted Residual 0.60 %
Laser Obscuration 11.89 %

Result

Concentration 0.0018 %
Span 1.708
Uniformity 0.561
Specific Surface Area 4421 m²/kg
D [3,2] 1.357 μm
D [4,3] 1.943 μm
Dv (10) 0.749 μm
Dv (50) 1.587 μm
Dv (90) 3.461 μm
Dv (97) 5.397 μm

Frequency (compatible)



Result

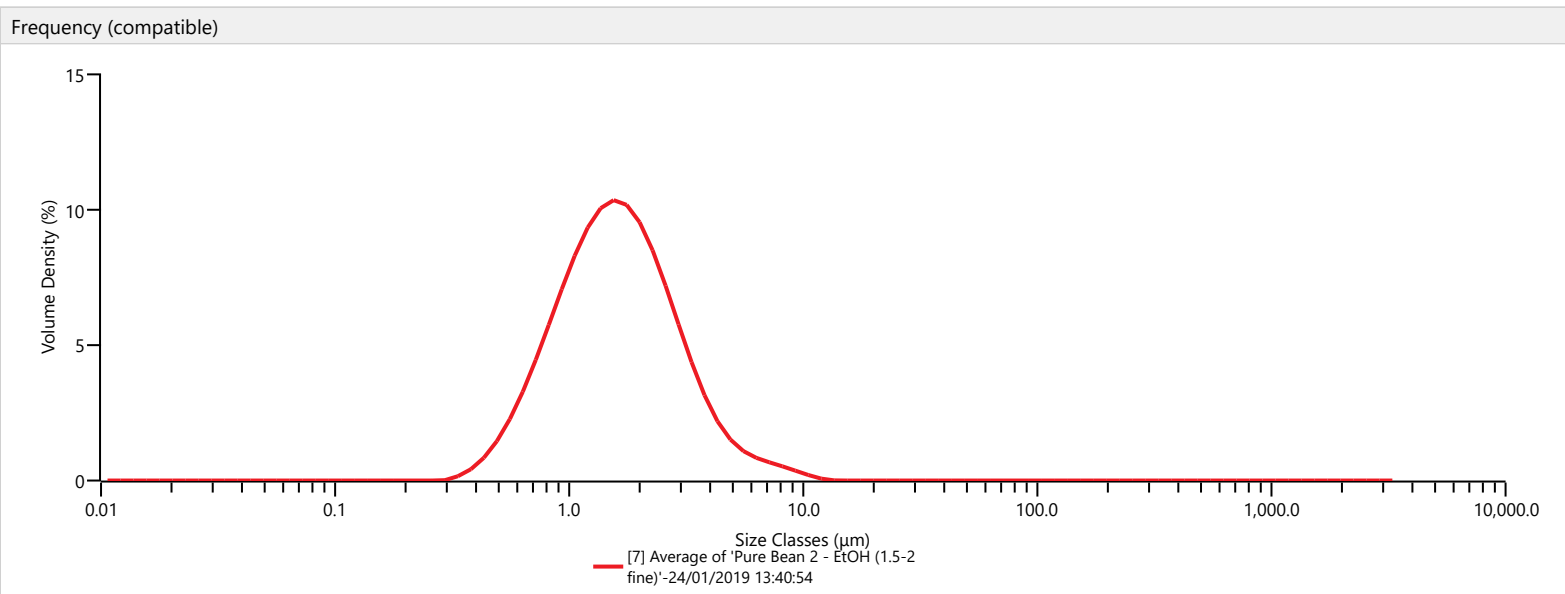
Size (μm)	% Volume In	Size (μm)	% Volume In	Size (μm)	% Volume In	Size (μm)	% Volume In	Size (μm)	% Volume In	Size (μm)	% Volume In	Size (μm)	% Volume In
0.010	0.00	0.060	0.00	0.357	0.35	2.131	7.10	12.726	0.00	76.006	0.00	453.960	0.00
0.011	0.00	0.068	0.00	0.405	0.70	2.421	6.05	14.458	0.00	86.355	0.00	515.772	0.00
0.013	0.00	0.077	0.00	0.460	1.21	2.750	4.89	16.427	0.00	98.114	0.00	586.001	0.00
0.015	0.00	0.088	0.00	0.523	1.88	3.125	3.74	18.664	0.00	111.473	0.00	665.793	0.00
0.017	0.00	0.100	0.00	0.594	2.72	3.550	2.73	21.205	0.00	126.652	0.00	756.449	0.00
0.019	0.00	0.113	0.00	0.675	3.68	4.034	1.92	24.092	0.00	143.897	0.00	859.450	0.00
0.022	0.00	0.128	0.00	0.767	4.74	4.583	1.34	27.373	0.00	163.490	0.00	976.475	0.00
0.024	0.00	0.146	0.00	0.872	5.82	5.207	0.96	31.100	0.00	185.752	0.00	1109.435	0.00
0.028	0.00	0.166	0.00	0.991	6.84	5.916	0.73	35.335	0.00	211.044	0.00	1260.499	0.00
0.032	0.00	0.188	0.00	1.125	7.69	6.722	0.58	40.146	0.00	239.780	0.00	1432.133	0.00
0.036	0.00	0.214	0.00	1.279	8.29	7.637	0.45	45.613	0.00	272.430	0.00	1627.136	0.00
0.041	0.00	0.243	0.00	1.453	8.55	8.677	0.31	51.823	0.00	309.525	0.00	1848.692	0.00
0.046	0.00	0.276	0.00	1.651	8.43	9.858	0.17	58.880	0.00	351.670	0.00	2100.416	0.00
0.053	0.00	0.314	0.13	1.875	7.93	11.201	0.07	66.897	0.00	399.555	0.00	2386.415	0.00

Measurement Details	
Operator Name	chem
Sample Name	Average of 'Pure Bean 2 - EtOH (1.5-2 fine)'
SOP File Name	HydroEV.cfg

Measurement Details	
Analysis Date Time	24/01/2019 14:57:27
Measurement Date Time	24/01/2019 13:40:54
Result Source	Averaged

Analysis	
Particle Name	2
Particle Refractive Index	1.500
Particle Absorption Index	2.000
Dispersant Name	Ethanol
Dispersant Refractive Index	1.360
Scattering Model	Mie
Analysis Model	General Purpose
Weighted Residual	0.60 %
Laser Obscuration	10.24 %

Result	
Concentration	0.0015 %
Span	1.682
Uniformity	0.553
Specific Surface Area	4441 m ² /kg
D [3,2]	1.351 μm
D [4,3]	1.921 μm
Dv (10)	0.750 μm
Dv (50)	1.575 μm
Dv (90)	3.400 μm
Dv (97)	5.289 μm



Result													
Size (μm)	% Volume In	Size (μm)	% Volume In	Size (μm)	% Volume In	Size (μm)	% Volume In	Size (μm)	% Volume In	Size (μm)	% Volume In	Size (μm)	% Volume In
0.010	0.00	0.060	0.00	0.357	0.34	2.131	7.11	12.726	0.00	76.006	0.00	453.960	0.00
0.011	0.00	0.068	0.00	0.405	0.69	2.421	6.01	14.458	0.00	86.355	0.00	515.772	0.00
0.013	0.00	0.077	0.00	0.460	1.20	2.750	4.81	16.427	0.00	98.114	0.00	586.001	0.00
0.015	0.00	0.088	0.00	0.523	1.88	3.125	3.63	18.664	0.00	111.473	0.00	665.793	0.00
0.017	0.00	0.100	0.00	0.594	2.72	3.550	2.61	21.205	0.00	126.652	0.00	756.449	0.00
0.019	0.00	0.113	0.00	0.675	3.71	4.034	1.80	24.092	0.00	143.897	0.00	859.450	0.00
0.022	0.00	0.128	0.00	0.767	4.79	4.583	1.24	27.373	0.00	163.490	0.00	976.475	0.00
0.024	0.00	0.146	0.00	0.872	5.90	5.207	0.89	31.100	0.00	185.752	0.00	1109.435	0.00
0.028	0.00	0.166	0.00	0.991	6.94	5.916	0.69	35.335	0.00	211.044	0.00	1260.499	0.00
0.032	0.00	0.188	0.00	1.125	7.81	6.722	0.56	40.146	0.00	239.780	0.00	1432.133	0.00
0.036	0.00	0.214	0.00	1.279	8.41	7.637	0.44	45.613	0.00	272.430	0.00	1627.136	0.00
0.041	0.00	0.243	0.00	1.453	8.67	8.677	0.30	51.823	0.00	309.525	0.00	1848.692	0.00
0.046	0.00	0.276	0.00	1.651	8.52	9.858	0.17	58.880	0.00	351.670	0.00	2100.416	0.00
0.053	0.00	0.314	0.13	1.875	7.98	11.201	0.05	66.897	0.00	399.555	0.00	2386.415	0.00