

Size Distribution Report by Intensity

v2.2



Sample Details

Sample Name: 0.75wtPEO 1

SOP Name: mansettings.nano

General Notes:

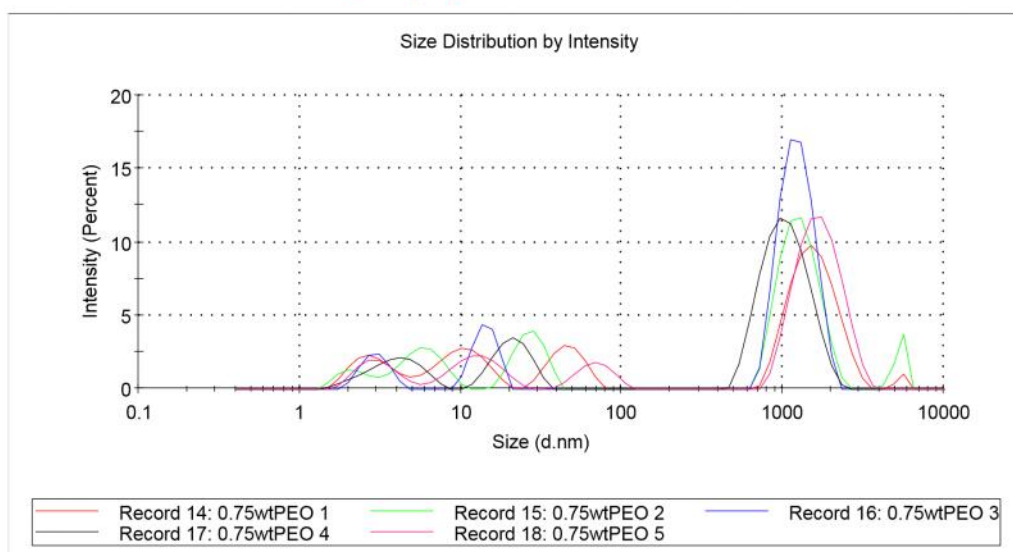
File Name:	SU8.dts	Dispersant Name:	Cyclopentanone
Record Number:	14	Dispersant RI:	1.436
Material RI:	1.48	Viscosity (cP):	1.2900
Material Absorbtion:	0.043	Measurement Date and Time:	martes, 11 de junio de 2019 ...

System

Temperature (°C):	25.0	Duration Used (s):	60
Count Rate (kcps):	336.3	Measurement Position (mm):	4.65
Cell Description:	Glass cuvette with square aper...	Attenuator:	9

Results

	Size (d.nm):	% Intensity:	St Dev (d.nm)
Z-Average (d.nm): 117.7	Peak 1: 1577	56.0	494.9
Pdl: 0.793	Peak 2: 10.38	17.2	3.556
Intercept: 0.742	Peak 3: 46.08	13.2	10.79

Result quality : **Refer to quality report**

Size Distribution Report by Number

v2.2



Sample Details

Sample Name: 0.75wtPEO 1

SOP Name: mansettings.nano

General Notes:

File Name: SU8.dts

Record Number: 14

Material RI: 1.48

Material Absorbtion: 0.043

Dispersant Name: Cyclopentanone

Dispersant RI: 1.436

Viscosity (cP): 1.2900

Measurement Date and Time: martes, 11 de junio de 2019 ...

System

Temperature (°C): 25.0

Duration Used (s): 60

Count Rate (kcps): 336.3

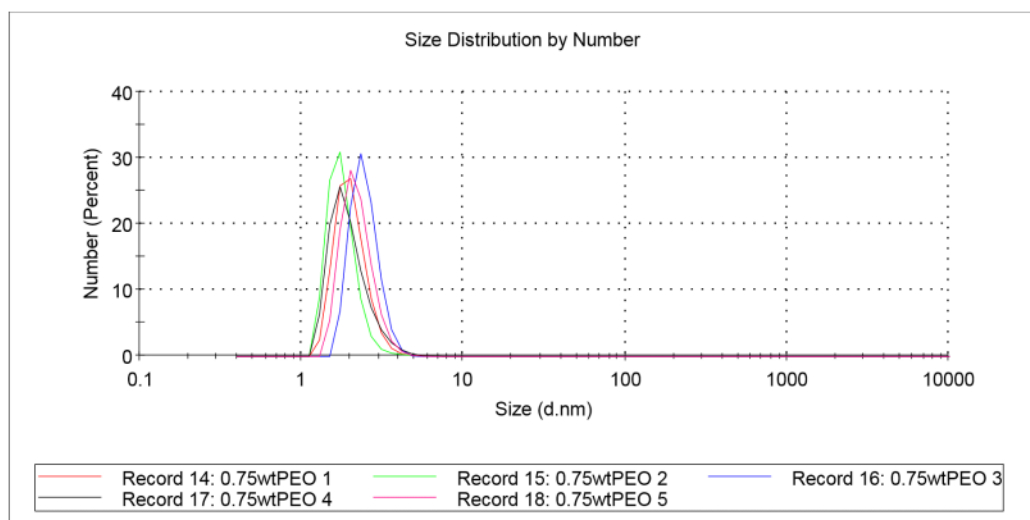
Measurement Position (mm): 4.65

Cell Description: Glass cuvette with square ...

Attenuator: 9

Results

	Size (d.nm):	% Number:	St Dev (d.n...
Z-Average (d.nm): 117.7	Peak 1: 2.048	100.0	0.5006
Pdl: 0.793	Peak 2: 0.000	0.0	0.000
Intercept: 0.742	Peak 3: 0.000	0.0	0.000
Result quality : Refer to quality report			



Size Quality Report

v2.0



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Sample Name: 0.75wtPEO 1**SOP Name:** mansettings.nano**File Name:** SU8.dts**Record Number:** 14**Measurement Date and Time:** martes, 11 de junio de 2019 12:04:38 p.m.**Temperature (°C):** 25.0

RESULT DOES NOT MEET QUALITY CRITERIA

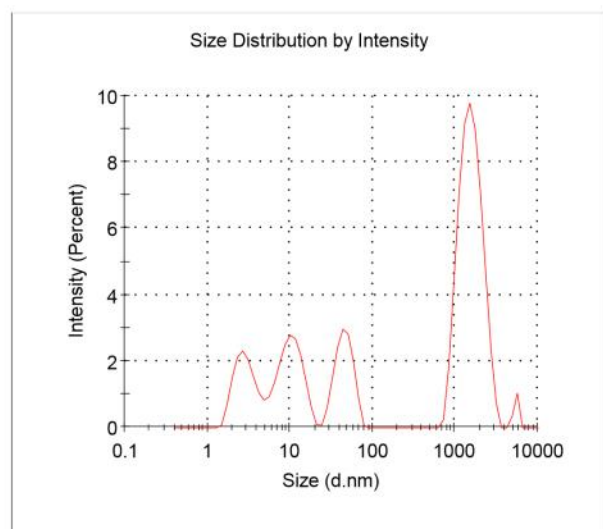
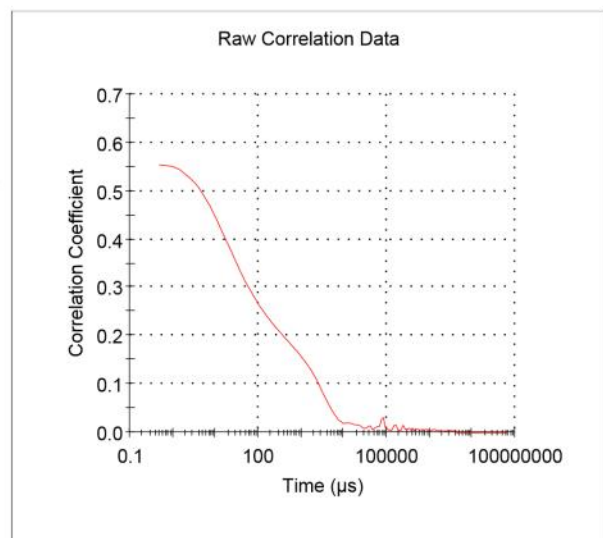
Sample too polydisperse for cumulant analysis -
suggest rely on distribution analysis

Cumulant fit error high

- * Data quality too poor for cumulant analysis
- * Sample too polydisperse for cumulant analysis

Polydispersity index is very high (.793)

- * Sample is very polydisperse and may not be suitable for DLS measurements
- * Sample contains large particles/aggregates/dust
- * Wrong measurement position selected



Size Distribution Report by Volume

v2.2



Sample Details

Sample Name: 0.75wtPEO 1

SOP Name: mansettings.nano

General Notes:

File Name: SU8.dts

Dispersant Name: Cyclopentanone

Record Number: 14

Dispersant RI: 1.436

Material RI: 1.48

Viscosity (cP): 1.2900

Material Absorbtion: 0.043

Measurement Date and Time: martes, 11 de junio de 2019 ...

System

Temperature (°C): 25.0

Duration Used (s): 60

Count Rate (kcps): 336.3

Measurement Position (mm): 4.65

Cell Description: Glass cuvette with square ap...

Attenuator: 9

Results

	Size (d.nm):	% Volume:	St Dev (d.nm):
Z-Average (d.nm): 117.7	Peak 1: 2.557	99.9	1.286
Pdl: 0.793	Peak 2: 39.53	0.0	10.39
Intercept: 0.742	Peak 3: 1779	0.1	628.2
Result quality : Refer to quality report			

