

Size Distribution Report by Intensity

v2.2



Sample Details

Sample Name: 0.25wtPEO 1

SOP Name: mansettings.nano

General Notes:

File Name: SU8.dts

Dispersant Name: Cyclopentanone

Record Number: 4

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): 366.9

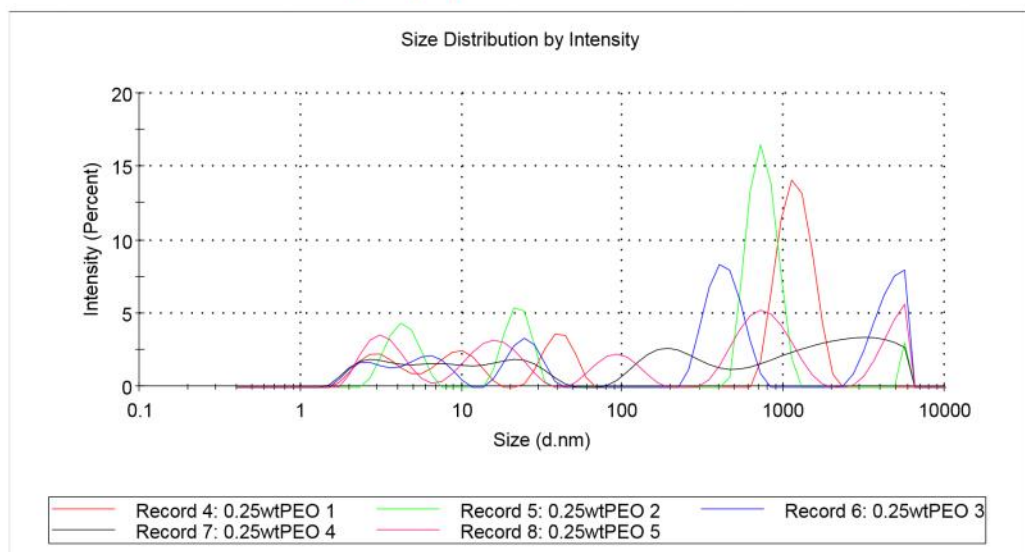
Measurement Position (mm): 4.65

Cell Description: Glass cuvette with square aper...

Attenuator: 9

Results

	Size (d.nm):	% Intensity:	St Dev (d.nm)
Z-Average (d.nm): 233.3	Peak 1: 1189	60.8	276.7
Pdl: 0.955	Peak 2: 40.41	14.0	8.121
Intercept: 0.828	Peak 3: 9.569	12.6	2.552

Result quality : **Refer to quality report**

Size Distribution Report by Number

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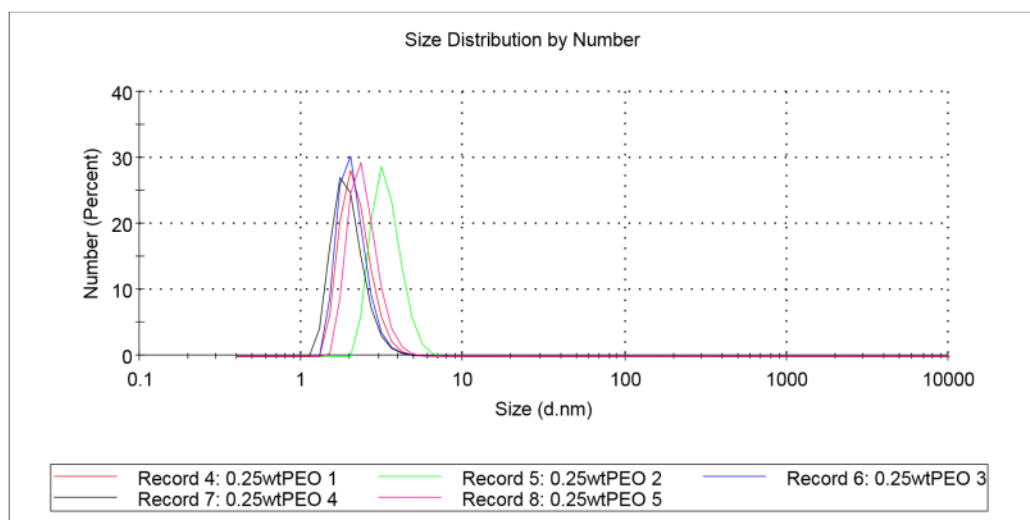
Measurement Position (mm): 4.65

Cell Description: Glass cuvette with square ...

Attenuator: 9

Results

	Size (d.nm):	% Number:	St Dev (d.n...
Z-Average (d.nm): 233.3	Peak 1: 2.216	100.0	0.5437
Pdl: 0.955	Peak 2: 0.000	0.0	0.000
Intercept: 0.828	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: 0.25wtPEO 1

SOP Name: mansettings.nano

File Name: SU8.dts

Record Number: 4

Measurement Date and Time: martes, 11 de junio de 2019 10:48:10 a.m.

Temperature (°C): 25.0

RESULT DOES NOT MEET QUALITY CRITERIA

Multimodal fit error high

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

Cumulant fit error high

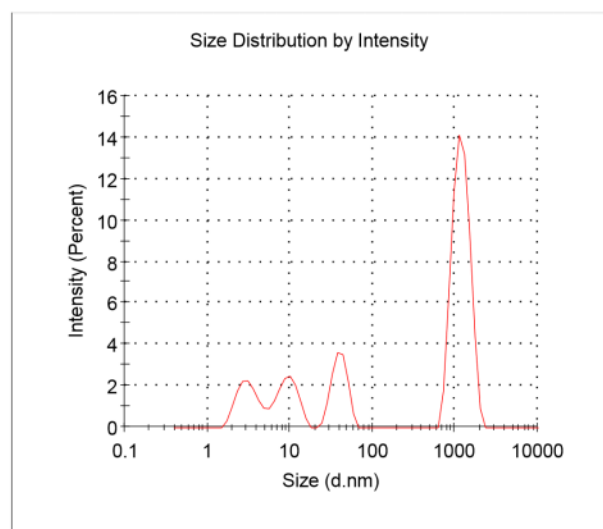
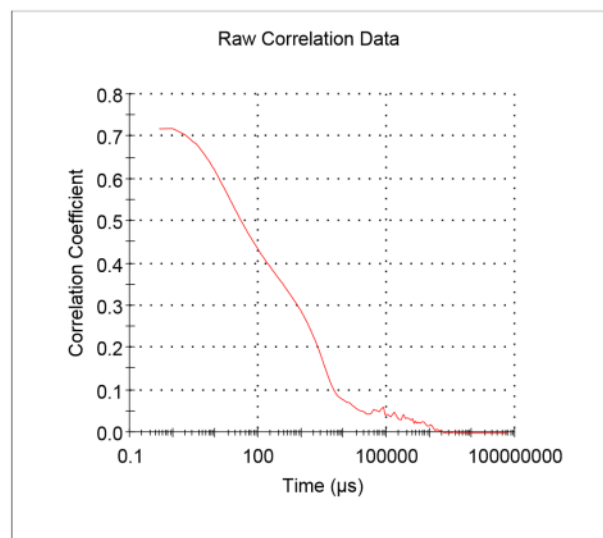
- * Data quality too poor for cumulant analysis
- * Sample too polydisperse for cumulant analysis

In range figure is low (83%)

- * Presence of large or sedimenting particles
- * Sample fluorescence
- * Sample absorbance (coloured samples)

Polydispersity index is very high (.955)

- * 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: 0.25wtPEO 1

SOP Name: mansettings.nano

General Notes:

File Name: SU8.dts

Dispersant Name: Cyclopentanone

Record Number: 4

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): 366.9

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): 233.3	Peak 1: 2.756	99.9	1.282
Pdl: 0.955	Peak 2: 36.13	0.0	8.337
Intercept: 0.828	Peak 3: 1224	0.1	325.6
Result quality : Refer to quality report			

