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martes, 11 de junio de 2019 11:44 a.m.

Size Distribution Report by Intensity

v2.2

Malvern

Sample Details

Sample Name: 0.25wtPEO 5
SOP Name: mansettings.nano
General Notes:

File Name:	SU8.dts	**Dispersant Name:**	Cyclopentanone
Record Number:	13	**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 ...

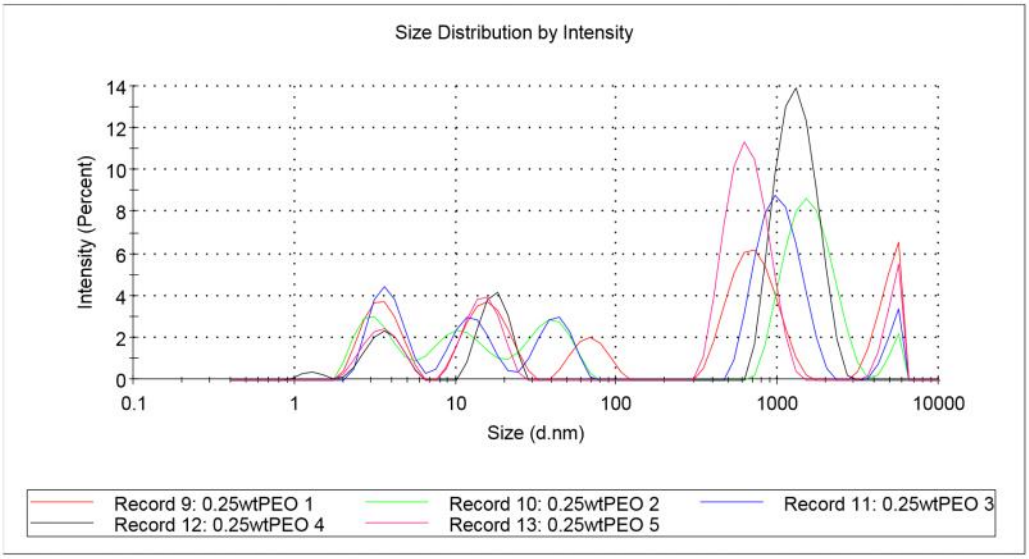
System

Temperature (°C):	25.0	**Duration Used (s):**	60
Count Rate (kcps):	319.5	**Measurement Position (mm):**	4.65
Cell Description:	Glass cuvette with square aper...	**Attenuator:**	8

Results

			Size (d.nm):	% Intensity:	St Dev (d.n...
Z-Average (d.nm):	207.2	**Peak 1:**	658.2	60.0	189.1
PdI:	0.998	**Peak 2:**	14.98	18.0	3.543
Intercept:	0.516	**Peak 3:**	3.564	11.7	0.8841

Result quality : Refer to quality report



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Zetasizer Ver. 7.11
Serial Number : MAL1143312

File name: SU8.dts
Record Number: 13
11 jun 2019 11:44:44 a.m.

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martes, 11 de junio de 2019 11:44 a.m.

Size Distribution Report by Number

v2.2

Malvern

Sample Details

Sample Name: 0.25wtPEO 5
SOP Name: mansettings.nano
General Notes:

File Name:	SU8.dts	**Dispersant Name:**	Cyclopentanone
Record Number:	13	**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 ...

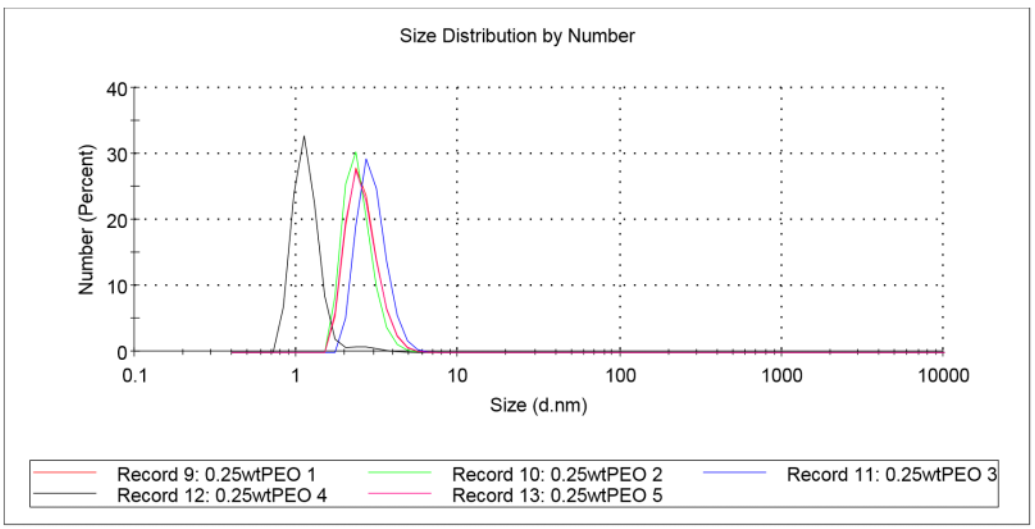
System

Temperature (°C):	25.0	**Duration Used (s):**	60
Count Rate (kcps):	319.5	**Measurement Position (mm):**	4.65
Cell Description:	Glass cuvette with square ...	**Attenuator:**	8

Results

			Size (d.nm):	% Number:	St Dev (d.n...
Z-Average (d.nm):	207.2	**Peak 1:**	2.582	100.0	0.6043
PdI:	0.998	**Peak 2:**	11.13	0.0	2.555
Intercept:	0.516	**Peak 3:**	0.000	0.0	0.000

Result quality : **Refer to quality report**



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Zetasizer Ver. 7.11
Serial Number : MAL1143312

File name: SU8.dts
Record Number: 13
11 jun 2019 11:44:45 a.m.

Size Quality Report

v2.0

Malvern

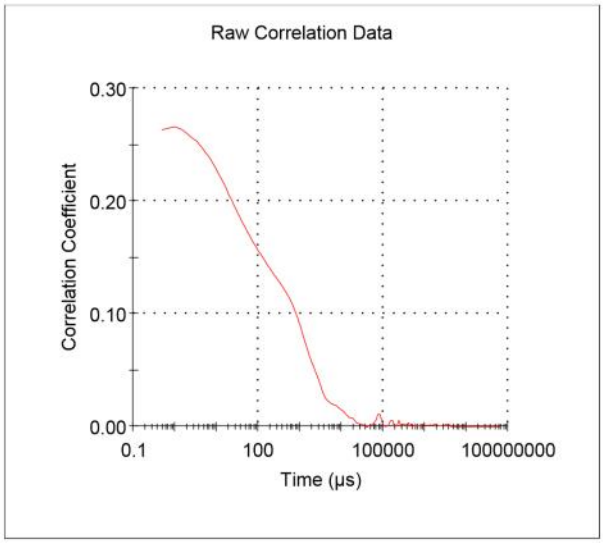
Sample Name: 0.25wtPEO 5
SOP Name: mansettings.nano
File Name: SU8.dts
Record Number: 13
Measurement Date and Time: martes, 11 de junio de 2019 11:44:44 a.m.
Temperature (°C): 25.0

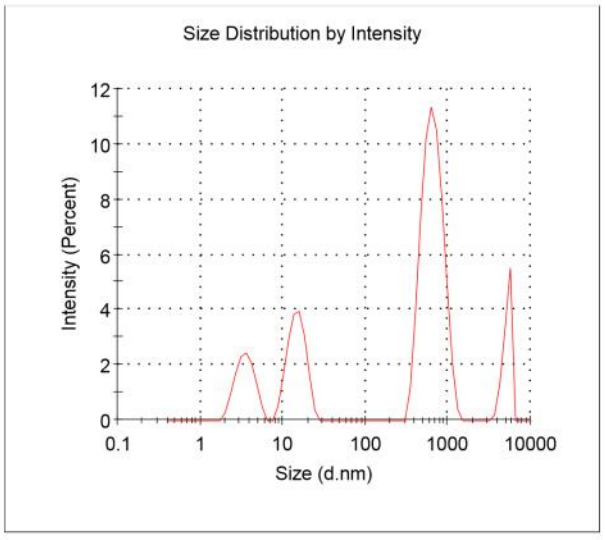
RESULT DOES NOT MEET QUALITY CRITERIA

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 (.998)
* Sample is very polydisperse and may not be suitable for DLS measurements
* Sample contains large particles/aggregates/dust
* Wrong measurement position selected





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Size Distribution Report by Volume

v2.2

Malvern

Sample Details

Sample Name: 0.25wtPEO 5
SOP Name: mansettings.nano
General Notes:

File Name:	SU8.dts	**Dispersant Name:**	Cyclopentanone
Record Number:	13	**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 ...

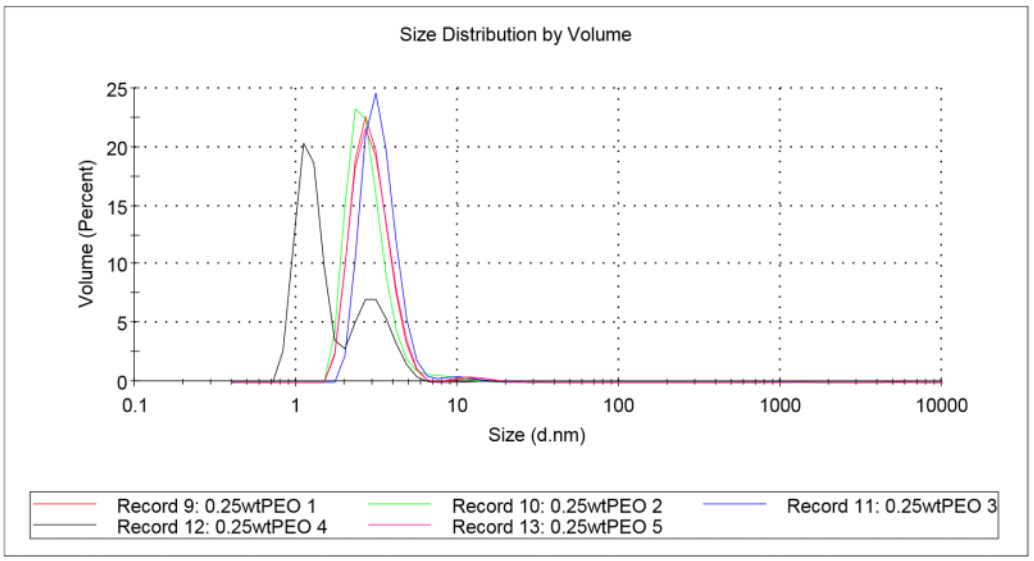
System

Temperature (°C):	25.0	**Duration Used (s):**	60
Count Rate (kcps):	319.5	**Measurement Position (mm):**	4.65
Cell Description:	Glass cuvette with square ap...	**Attenuator:**	8

Results

			Size (d.nm):	% Volume:	St Dev (d.nm):
Z-Average (d.nm):	207.2	**Peak 1:**	715.0	0.1	197.4
PdI:	0.998	**Peak 2:**	12.77	2.0	3.303
Intercept:	0.516	**Peak 3:**	2.989	97.7	0.8080

Result quality : Refer to quality report



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