



This measurement is Title 21 CFR Part 11 compliant.

Measurement information

Measurement name	100 nm Nanosphere Size Standard	User	Cesar Estrada
Method	LSPS100.01	Time	7/21/2022 4:00:45 PM
Status	Succeeded	Instrument type	Litesizer 500
Measurement mode	Particle size series	Filter optical density	(Automatic Mode)
Series type	Repetition	Focus position	(Automatic Mode)
Measurement cell	Disposable	Material	Polystyrene Latex
Measurement angle	Back scatter (Manual Mode)	Material refractive index	1.5850
Target temperature	25.0 °C	Material absorbance coefficient	0.0010
Equilibration time	- (Series parameter)	Solvent	Water
Analysis model	General	Solvent refractive index	1.3303
Cumulant model	Advanced	Solvent viscosity	0.8903 mPa.s
Number of runs	(Automatic Mode)		
Time for each run	0h 00m 10s (Automatic Mode)		

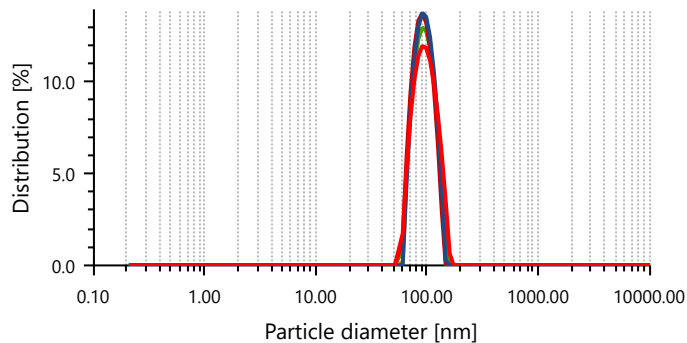
Comment

PTL
 Polymer Nanospheres in Water
 Lot: 251456 RM ID: 7683
 Chemist: CME
 Particle Technology Labs

Measurements - Intensity

Index	Color	Hydrodyn. diam. [nm]	Polydisp. index [%]	Peak 1 [nm]	Peak 2 [nm]	Peak 3 [nm]	Transmittance [%]
1		100.75	2.1	96.88 (Intensity)	- (Intensity)	- (Intensity)	56.7
2		101.91	0.4	95.60 (Intensity)	- (Intensity)	- (Intensity)	57.0
3		99.99	5.1	93.68 (Intensity)	- (Intensity)	- (Intensity)	57.0
4		102.63	0.4	96.27 (Intensity)	- (Intensity)	- (Intensity)	57.1
5		100.82	0.1	98.61 (Intensity)	- (Intensity)	- (Intensity)	56.8

Particle size distribution (intensity)



Automatic modes - Processed values

Index	Color	Repetition	Processed runs	Meas. angle	Filter optical density	Focus position
1		-	6	Back scatter	3.881	-0.010
2		-	6	Back scatter	3.878	-0.010

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3	—	-	6	Back scatter	3.873	-0.010
4	—	-	6	Back scatter	3.876	-0.010
5	—	-	6	Back scatter	3.873	-0.010