

ASTRA 6 Report 20191009_05mgml_USP5



File Name: C:\Users\malsuser\Documents\rachel\20191009_05mgml_USP5.afe6
Collection Operator: ODW-MEDCHEM1779\malsuser (ODW-MEDCHEM1779\malsuser (MALS User))
Processing Operator: ODW-MEDCHEM1779\malsuser (MALS User)

Sample: sample

Configuration

Concentration Source: RI
Flow Rate: 0.500 mL/min
Light Scattering Instrument: DAWN HELEOS
Cell Type: Fused Silica
Wavelength: 661.7 nm
Calibration Constant: 3.1098×10^{-5} 1/(V cm)

RI Instrument: Generic RI

Solvent: PBS, Aqueous
Temperature Correction Enabled: yes
Refractive Index: 1.330

Processing

Collection Time: Wednesday October 09, 2019 01:10:30 PM Eastern Daylight Time
Processing time: Wednesday October 09, 2019 05:22:04.952 PM Eastern Daylight Time

Peak settings:

Peak Name	Peak 1
Peak Limits (min)	34.401 - 51.511
Light Scattering Model	Zimm
Fit Degree	1
dn/dc (mL/g)	0.1850
A2 (mol mL/g²)	0.000
UV Ext. Coef. (mL/(mg cm))	0.000

Results Fitting Procedure:

Data	Fit Model	Degree	R²	Extrapolation
Molar Mass	none	n/a	n/a	none
Rms Radius	none	n/a	n/a	none
Mean Square Radius	none	n/a	n/a	none

Results

Peak Results

	Peak 1
Masses	
Injected Mass (µg)	0.00
Calculated Mass (µg)	225.15
Mass Recovery (%)	n/a
Mass Fraction (%)	100.0

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Molar mass moments (g/mol)	
Mn	1.004×10^5 ($\pm 1.426\%$)
Mp	9.970×10^4 ($\pm 0.271\%$)
Mv	n/a
Mw	1.083×10^5 ($\pm 3.154\%$)
Mz	2.182×10^5 ($\pm 58.989\%$)
Polydispersity	
Mw/Mn	1.079 ($\pm 3.462\%$)
Mz/Mn	2.173 ($\pm 59.006\%$)
rms radius moments (nm)	
Rn	22.0 ($\pm 12.0\%$)
Rw	27.0 ($\pm 8.3\%$)
Rz	62.6 ($\pm 5.4\%$)