

ASTRA Report N45_S75_increase_SECSAXS



File Properties

Name: N45_S75_increase_SECSAXS.afe7**Directory:** C:/Users/p12-hplc_admin/Desktop/p3lhsolomon_20042018/**ODBC Data Source:****Database Host:****Database Name:****Database Path:****Sample:** N45

Configuration

Concentration Source: RI**Flow Rate:** 0.300 mL/min**Light Scattering Instrument:** TREOS**Temperature Control:** no**Cell Type:** Fused Silica**Wavelength:** 659.0 nm**Calibration Constant:** 4.8518×10^{-5} 1/(V cm)**RI Instrument:** rEX**UV Instrument:** UV

QELS:

Use QELS Temperature Probe: yes**Model:** Wyatt QELS+**Solvent:** PBS, Aqueous**Refractive Index:** 1.331**Viscosity:** 0.890 cP

Processing

Collection Time: Friday, April 20, 2018 11:09:32 AM**Processing Time:** Friday, April 20, 2018 11:55:09 AM

Peak settings:

Peak Name	Peak 3
Light Scattering Model	Zimm
Fit Degree	1
dn/dc (mL/g)	0.1820
A2 (mol mL/g²)	0.000

Results

Peak Results

Peak 3

Peak 3**Hydrodynamic radius (Q) moments (nm)****rh(Q)(avg)** 2.877 ($\pm 0.430\%$)**Masses****Calculated Mass****(μg)** 101.25**Mass Recovery (%)** 18.4**Mass Fraction (%)** 100.0**Molar mass moments (g/mol)****Mn** 4.285×10^4 ($\pm 0.951\%$)**Mp** 4.277×10^4 ($\pm 1.212\%$)**Mv** n/a**Mw** 4.285×10^4 ($\pm 0.954\%$)**Mz** 4.285×10^4 ($\pm 2.135\%$)**Polydispersity****Mw/Mn** 1.000 ($\pm 1.347\%$)**Mz/Mn** 1.000 ($\pm 2.337\%$)**rms radius moments (nm)****rn** 10.6 ($\pm 28.8\%$)**rw** 10.6 ($\pm 28.8\%$)**rz** 10.6 ($\pm 28.8\%$)