

ASTRA Report FAB-FL_8p0mgml_1CMJ



File Properties

Name: FAB-FL_8p0mgml_1CMJ.afe7**ODBC Data Source:****Database Host:****Database Name:****Database Path:****Sample:** FAB_FL_8mgml

Configuration

Concentration Source: RI**Flow Rate:** 0.500 mL/min**Light Scattering Instrument:** TREOS**Temperature Control:** no**Cell Type:** Fused Silica**Wavelength:** 659.0 nm**Calibration Constant:** 4.9533×10^{-5} 1/(V cm)**RI Instrument:** rEX**UV Instrument:** UV

QELS:

Use QELS Temperature Probe: yes**Model:** Wyatt QELS+**Solvent:** 20 mM HEPES pH 7.5 200 mM NaCl 1 mM DTT 3% v/v glycerol**Refractive Index:** 1.331**Viscosity:** 0.890 cP

Processing

Collection Time: Thursday, May 16, 2019 12:35:58 PM**Processing Time:** Thursday, October 17, 2019 14:12:03 PM

Peak settings:

Peak Name	Peak 1	Peak 2
Light Scattering Model	Zimm	Zimm
Fit Degree	1	1
dn/dc (mL/g)	0.1850	0.1850
A2 (mol mL/g ²)	0.000	0.000

Results

Peak Results

Peak 1

Peak 2

	Peak 1	Peak 2
Hydrodynamic radius (Q) moments (nm)		
rh(Q)z	5.839 (±1.959%)	4.975 (±1.834%)
Masses		
Calculated Mass		
(µg)	58.13	153.48
Mass Recovery (%)	8.3	21.9
Mass Fraction (%)	27.5	72.5
Molar mass moments (g/mol)		
Mn	1.680×10^5 (±0.588%)	8.401×10^4 (±0.748%)
Mp	1.685×10^5 (±0.668%)	8.397×10^4 (±0.889%)
Mv	n/a	n/a
Mw	1.680×10^5 (±0.592%)	8.401×10^4 (±0.747%)
Mz	1.680×10^5 (±1.327%)	8.401×10^4 (±1.670%)
Polydispersity		
Mw/Mn	1.000 (±0.834%)	1.000 (±1.058%)
Mz/Mn	1.000 (±1.452%)	1.000 (±1.830%)
rms radius moments (nm)		
rn	5.0 (±74.2%)	4.8 (±101.3%)
rw	5.0 (±74.3%)	4.8 (±101.3%)
rz	5.0 (±74.4%)	4.8 (±101.3%)