

ASTRA Report S116A-aldolase



File Properties

Name: S116A-aldolase.afe7**Directory:** C:\Users\jeffries\Desktop\p31-garcia-bento-december-2019**Computer:** SAXS-LAPTOP-W**Sample:** S116A-aldolase

Configuration

Concentration Source: RI**Flow Rate:** 0.650 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 7.5 100 mM NaCl 20mg-L MgCl2**Refractive Index:** 1.331**Viscosity:** 0.890 cP

Processing

Collection Time: Sunday, December 15, 2019 13:52:23 PM**Processing Time:** Sunday, December 15, 2019 14:47:37 PM

Peak settings:

Peak Name	Peak 1
Light Scattering Model	Zimm
Fit Degree	1
dn/dc (mL/g)	0.1850
A2 (mol mL/g²)	0.000

Results

Peak Results

Peak 1

Hydrodynamic radius (Q) moments (nm)

rh(Q)(avg) 4.388 (±0.212%)

		Peak 1
Masses		
Calculated Mass		
(μg)	591.45	
Mass Recovery (%)	262.9	
Mass Fraction (%)	100.0	
Molar mass moments (g/mol)		
	1.558×10^5	
Mn	($\pm 0.974\%$)	
	1.555×10^5	
Mp	($\pm 1.088\%$)	
	1.558×10^5	
Mw	($\pm 0.974\%$)	
	1.558×10^5	
Mz	($\pm 2.179\%$)	
	1.558×10^5	
M(avg)	($\pm 0.049\%$)	
Polydispersity		
Mw/Mn	1.000	($\pm 1.378\%$)
Mz/Mn	1.000	($\pm 2.387\%$)