

## ASTRA Report Carbonic\_anhydrase\_SASBDB\_S75\_Increase\_HEPES



## File Properties

**Name:** Carbonic\_anhydrase\_SASBDB\_S75\_Increase\_HEPES.afe7**Sample:** Carbonic Anhydrase

## 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:**  $4.9533 \times 10^{-5}$  1/(V cm)**RI Instrument:** rEX**UV Instrument:** UV

## QELS:

**Use QELS Temperature Probe:** yes**Model:** Wyatt QELS+**Solvent:** 50 mM HEPES 150 mM NaCl 2% glycerol pH 7**Refractive Index:** 1.338**Viscosity:** 0.948 cP

## Processing

**Collection Time:** Friday, April 05, 2019 18:04:50 PM**Processing Time:** Tuesday, May 26, 2020 19:02:42 PM

## Peak settings:

<b>Peak Name</b>	Peak 1
<b>Light Scattering Model</b>	Zimm
<b>Fit Degree</b>	1
<b>dn/dc (mL/g)</b>	0.1870
<b>A2 (mol mL/g<sup>2</sup>)</b>	0.000

## Results

## Peak Results

## Peak 1

## Hydrodynamic radius (Q) moments (nm)

rh(Q)z 2.505 (±2.242%)

rh(Q)(avg) 2.378 (±0.264%)

## Molar mass moments (g/mol)

Mn  $2.833 \times 10^4$  (±0.209%)

Peak 1	
<b>Mp</b>	$2.834 \times 10^4$ ( $\pm 0.180\%$ )
<b>Mv</b>	n/a
<b>Mw</b>	$2.833 \times 10^4$ ( $\pm 0.209\%$ )
<b>Mz</b>	$2.833 \times 10^4$ ( $\pm 0.467\%$ )
<b>M(avg)</b>	$2.833 \times 10^4$ ( $\pm 0.021\%$ )
<b>Polydispersity</b>	
<b>Mw/Mn</b>	1.000 ( $\pm 0.296\%$ )
<b>Mz/Mn</b>	1.000 ( $\pm 0.512\%$ )