



**File Name:** C:\Users\malsuser\Documents\rachel\20191009\_05mgml\_USP5\_1to5\_Ubq.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:**  $3.1098 \times 10^{-5}$  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 04:01:20 PM Eastern Daylight Time  
**Processing time:** Wednesday October 09, 2019 05:21:47.885 PM Eastern Daylight Time

**Peak settings:**

**Peak Name** Peak 1  
**Peak Limits (min)** 35.932 - 51.924  
**Light Scattering Model** Zimm  
**Fit Degree** 1  
**dn/dc (mL/g)** 0.1850  
**A2 (mol mL/g<sup>2</sup>)** 0.000  
**UV Ext. Coef. (mL/(mg cm))** 0.000

**Results Fitting Procedure:**

Data	Fit Model	Degree	R <sup>2</sup>	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
<b>Masses</b>	
<b>Injected Mass (µg)</b>	0.00
<b>Calculated Mass (µg)</b>	318.54
<b>Mass Recovery (%)</b>	n/a
<b>Mass Fraction (%)</b>	100.0

<b>Mass Fraction (%)</b>	100.0
<b>Molar mass moments (g/mol)</b>	
<b>Mn</b>	$4.397 \times 10^4$ ( $\pm 2.031\%$ )
<b>Mp</b>	$1.068 \times 10^5$ ( $\pm 0.338\%$ )
<b>Mv</b>	n/a
<b>Mw</b>	$9.223 \times 10^4$ ( $\pm 2.378\%$ )
<b>Mz</b>	$1.614 \times 10^5$ ( $\pm 27.249\%$ )
<b>Polydispersity</b>	
<b>Mw/Mn</b>	2.098 ( $\pm 3.127\%$ )
<b>Mz/Mn</b>	3.671 ( $\pm 27.325\%$ )
<b>rms radius moments (nm)</b>	
<b>Rn</b>	19.2 ( $\pm 18.1\%$ )
<b>Rw</b>	20.2 ( $\pm 12.9\%$ )
<b>Rz</b>	47.2 ( $\pm 5.5\%$ )