



WYATT  
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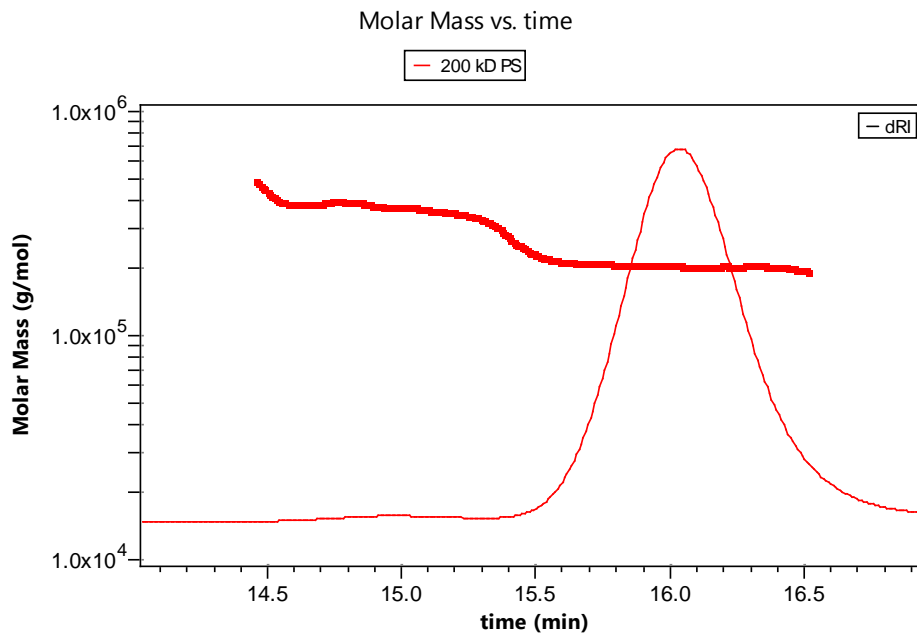
**200 kDa PS Standard**

## Certificate of Analysis

Polystyrene Standard, 200 kDa

Wyatt PN: **P8402-20001B**  
Batch #: **50912**

Manufactured by Pressure Chemical Co.  
Storage: Room Temperature  
Expires: July 2022



*Standard Characterization Data (including high MW peaks)*

**$M_w = (206 \pm 2)$  kDa;  $PDI = 1.01 \pm 0.01$ ;  $R_z = (17.3 \pm 0.2)$  nm**  
(by SEC-MALS in toluene, using  $dn/dc = 0.110$  mL/g and  $A_2 = 4.4e-4$  mol mL/g<sup>2</sup>)

**Intrinsic Viscosity  $[\eta]_w = (75.5 \pm 0.5)$  mL/g;  $[\eta]_z = (76.0 \pm 0.5)$  mL/g**  
(by Wyatt ViscoStar following SEC-MALS)

Certification: Michelle Chen  
Dr. Michelle Chen, Director of Analytical Services

Date: March 20, 2018