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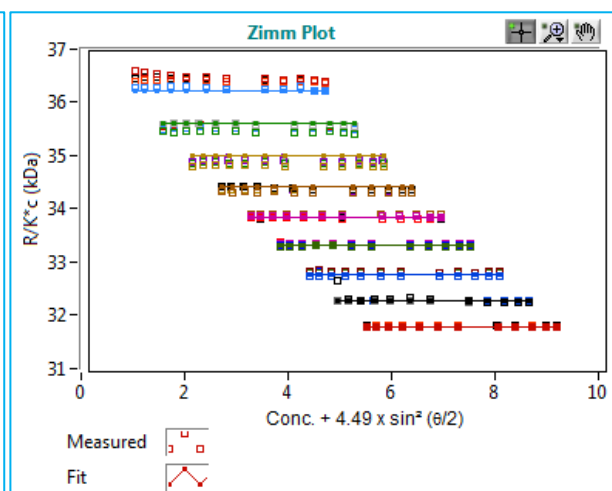
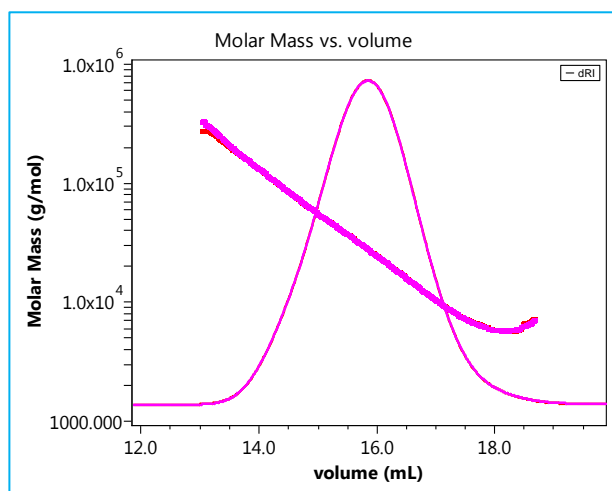
**Sigma Dextran  
(35-45 kDa)  
(Lot No.: SLBQ5973V)**

## Certificate of Analysis

Sigma Dextran (35-45 kDa)

**Wyatt PN: 900114**  
**Lot Number: SLBQ5973V**

Manufactured by Sigma-Aldrich  
**Storage:** Room temperature  
**Certificate Expires:** 1/1/2020



*Standard characterization data by Wyatt MALS detector following SEC separation with two TSKgel GMPW<sub>XL</sub> columns:*

**$M_w = (36.5 \pm 0.1) \text{ kDa}$ ;  $M_n = (22.1 \pm 0.1) \text{ kDa}$ ;  $P_d = 1.65 \pm 0.01$**

*(Solvent and SEC mobile phase were 100 mM NaNO<sub>3</sub>, solution was filtered through 0.02  $\mu\text{m}$  Anotop filter)*

*Standard characterization data by Wyatt MALS detector with concentration gradient generated by Wyatt Calypso:*

**$M_w (\text{batch}) = (36.9 \pm 0.1) \text{ kDa}$ ;  $A_2 = (4.3 \pm 0.1) \times 10^{-4} \text{ mol}\cdot\text{mL}/\text{g}^2$**

*(Solvent was water; solution was filtered through 0.02  $\mu\text{m}$  Anotop filter)*

Certification: Michelle Chen

Dr. Michelle Chen, Director of Analytical Services

Date: March 20, 2018