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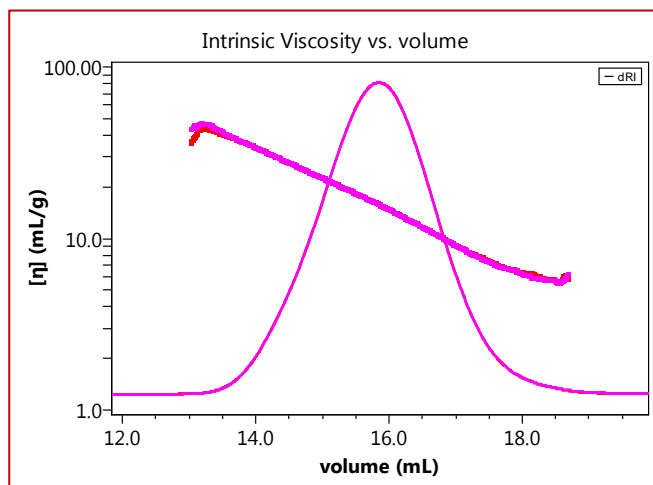
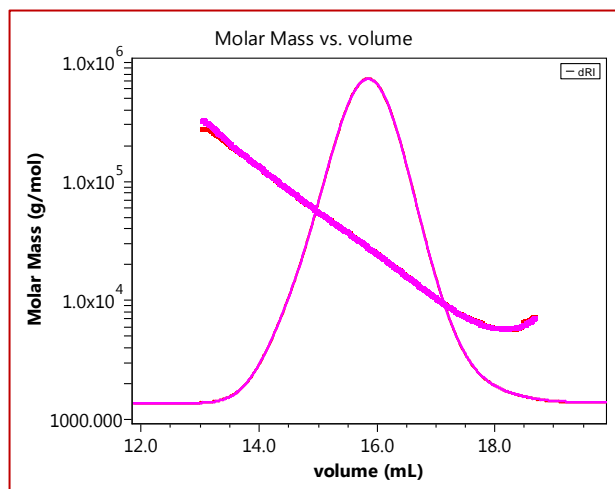
Sigma Dextran
(35-45 kDa)
(Lot No.: SLBQ5973V)

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 and Wyatt Viscostar following SEC separation with two TSKgel GMPW_{XL} columns and 100 mM NaNO₃ at 1.0 mL/min:

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

$Intrinsic \text{ Viscosity } [\eta]_w = (16.8 \pm 0.1) \text{ mL/g}$; $[\eta]_z = (21.6 \pm 0.1) \text{ mL/g}$

(Dextran solution was prepared at 5 mg/mL, filtered through 0.02 μm Anotop filter. Injection volume was 100 μL. Results were obtained using $dn/dc = 0.138 \text{ mL/g}$ and $A_2 = 4.2 \text{ e-4 mol mL/g}^2$.)

Certification: Michelle Chen

Dr. Michelle Chen, Director of Analytical Services

Date: December 1, 2017