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Certificate of Analysis

Dextran (40 kDa)

Dextran in water: $dn/dc = 0.138 \text{ mL/g}$

Solution was prepared at 5 mg/mL and filtered through 0.02 μm Anotop® filter.

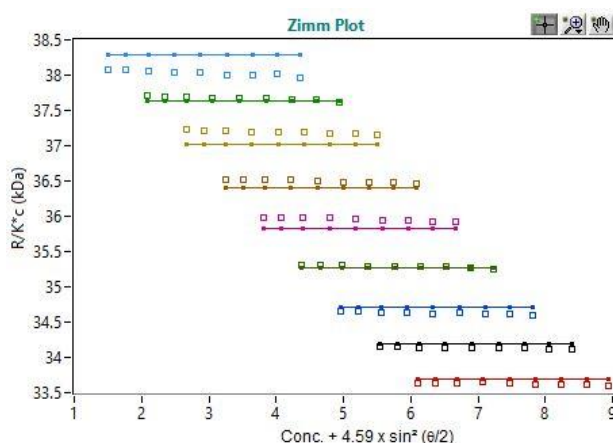
Wyatt p/n: 900114

Lot Number: SLCJ8604

Manufactured by: Sigma Aldrich®

Expires: 31 Jul 2024

Storage: Room temperature



Standard characterization data by Wyatt
MALS detector coupled to Wyatt Calypso®
pump system:

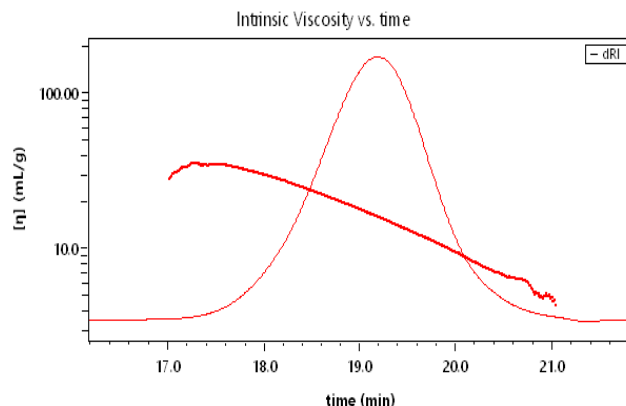
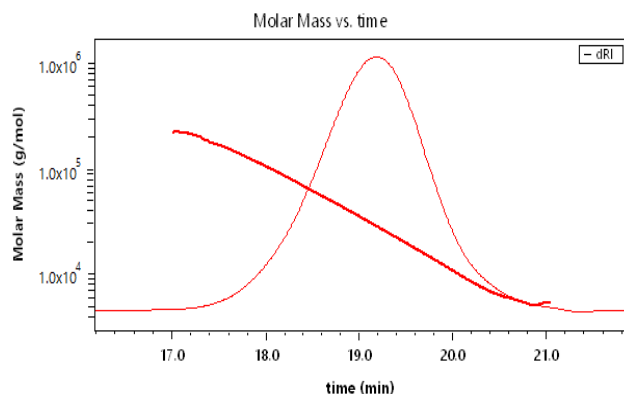
M_w (batch) = $(38.8 \pm 0.3) \text{ kDa}$

$A_2 = (3.9 \pm 0.2) \times 10^{-4} \text{ (mol mL)/g}^2$

Standard characterization data by Wyatt
DynaPro® Plate Reader:

R_h (Cumulants) = $(4.9 \pm 0.1) \text{ nm}$

R_h (Regularization) = $(6.2 \pm 0.2) \text{ nm}$



Standard characterization data by Wyatt MALS detector following SEC separation
(two Shodex OHpak LB-806M with LB-G):

Solvent and SEC mobile phase were 100 mM NaNO_3 at 1 mL/min.

$M_n = (24.1 \pm 0.2) \text{ kDa}$

$M_w = (38.7 \pm 0.2) \text{ kDa}$

$M_w/M_n = 1.60 \pm 0.01$

Intrinsic viscosity

$[\eta]_w = (17.5 \pm 0.1) \text{ mL/g}$

$[\eta]_z = (22.4 \pm 0.5) \text{ mL/g}$

Certification:

Michelle Chen

Date:

12 Jul 2022

Michelle Chen
VP, Analytical Sciences