Certificate of Analysis

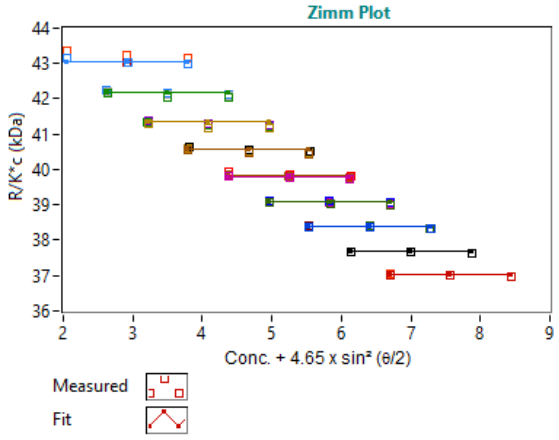
Dextran (40 kDa)

Dextran in water: *dn/dc* = 0.138 mL/g

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

Wyatt p/n: 900114
Lot Number: BCCJ0431

Manufactured by: SigmaAldrich™
Expires: 20 Feb 2027
Storage: Room temperature

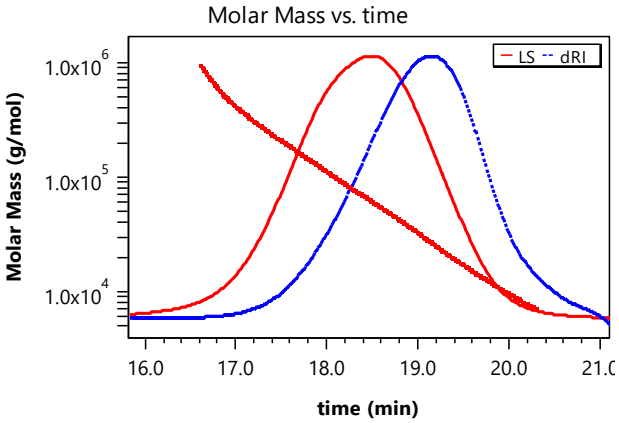


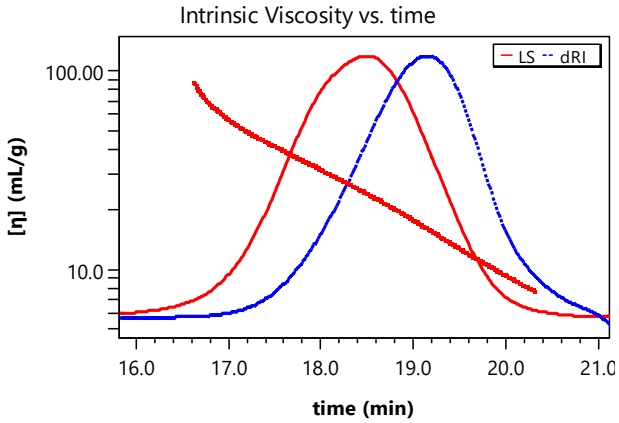
Standard characterization data by Wyatt MALS detector coupled to Wyatt Calypso™ pump system:

M_w (batch) = (44.5 ± 0.7) kDa
A_2 = (3.9 ± 0.2) × 10^{-4} (mol mL)/g^2

Standard characterization data by Wyatt DynaPro™ Plate Reader

R_h (Cumulants) = (5.4 ± 0.2) nm
R_h (Regularization) = (6.7 ± 0.3) nm





Standard characterization data by Wyatt MALS detector following SEC separation (two Shodex™ OHpak™ LB-806M columns with LB-G 6B guard):

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

M_n = (23.0 ± 0.3) kDa	M_w = (45.8 ± 0.3) kDa	M_w/M_n = 1.99 ± 0.01
Intrinsic viscosity	$[\eta]_w$= (18.7 ± 0.1) mL/g	$[\eta]_z$ = (26.8 ± 0.4) mL/g

Certification: Sophia Kenrick — Date: 20 Feb 2025

Sophia Kenrick
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