

Certificate of Analysis

Date of Testing: 2023-05-23 16:38:01

Date of Next Testing: 2027-05-22 16:38:01

Product Name: **Dextran**

CAS Number: 9004-54-0

Specifications & Purity:

Lot #: E2318189

SKU #: **D491699**

Analysis: **226850**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-20 (ppm)	20.00 ppm
Inherent Viscosity	18-23 (ml/g)	19.00 ml/g
Sulfate Ash	0-0.3 (%)	0.30 %
Loss on Drying(105°C,5h)	0-7 (%)	3.50 %
Bacterial endotoxins(10% sol.)	0-1 (EU/ml)	0.30 EU/ml
PH (10% Water)	4.5-7	6.40
MW/Mn	1.4-1.9	1.50
Average Molecular Weight	35000-45000	38932.00
Nitrogen containing substances	0-100 (ppm)	22.00 ppm
Absorbance 375nm (10% solution,4cm)	0-0.2	0.10
Specific Rotation [α] _{20/D}	195-203 (°)	197.00 °
Arsenic(As)	0-1.3 (ppm)	1.30000 ppm
Appearance(D491699-40k)	White to Off-White Powder	White to Off-White Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager