

Certificate of Analysis

Date of Testing: 2023-06-16 14:29:45

Date of Next Testing: 2027-06-15 14:29:45

Product Name: **Dextran**

CAS Number: 9004-54-0

Specifications & Purity:

Lot #: F2310755

SKU #: **D491699**

Analysis: **242715**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Average Molecular Weight	63000-77000	66023.00
Sulfate Ash	0-0.3 (%)	0.01 %
Average Molecular Weight Inherent Viscosity	24-29 (ml/g)	26.81000 ml/g
Nitrogen containing substances	0-100 (ppm)	32.21 ppm
Loss on drying(105°C,5h)	≤7 (%)	1.51 %
Specific Rotation [α] _{20/D}	195-203 (°)	198.00 °
Absorbance 375nm (6% solution,4cm)	0-0.15	0.12
Heavy metal (as Pb)	0-5 (ppm)	1.10 ppm
MW/Mn	1.4-1.9	1.81
Bacterial endotoxins(6% sol.)	0-0.5 (EU/ml)	0.27 EU/ml
PH (6% Water)	4.5-7	5.61
Appearance(D491699-70k)	White to Off-White Powder	White to Off-White Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager