

Certificate of Analysis

Date of Testing: 2023-05-22 15:47:35

Date of Next Testing: 2027-05-21 15:47:35

Product Name: **Dextran**

CAS Number: 9004-54-0

Specifications & Purity:

Lot #: E2318178

SKU #: **D491699**

Analysis: **226415**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Loss on Drying(105°C,5h)	0-7 (%)	3.90 %
Specific Rotation [α] _{20/D}	195-201 (°)	198.00 °
Residual solvent(Ethanol and other solvents)(GC):	0-0.5 (%)	0.05 %
Average Molecular Weight	54000-66000	59474.00
Heavy metal (as Pb)	0-10 (ppm)	10.00 ppm
Nitrogen by Elemental Analysis	0-110 (ppm)	11.00 ppm
Microbial contamination	0-100 (cfu/g)	100.00 cfu/g
Sulfate Ash	0-0.3 (%)	0.10 %
Bacterial endotoxins	0-0.016 (IU/mg OR I.U./mg)	0.01 IU/mg OR I.U./mg
Residual solvent(Methanol)(GC)	0-0.05 (%)	0.05 %
Appearance(D491699-60k)	White to Off-White Powder	White to Off-White Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility in H ₂ O	Almost transparency	almost transparency



John Su
QA & QC Manager