

Certificate of Analysis

Date of Testing: 2023-05-22 17:00:18

Date of Next Testing: 2027-05-21 17:00:18

Product Name: **Dextran**

CAS Number: 9004-54-0

Specifications & Purity:

Lot #: E2318206

SKU #: **D491699**

Analysis: **226998**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Heavy metal (as Pb)	0-5 (ppm)	4.99 ppm
Molecular number	850-1150	978.80
Nitrogen by Elemental Analysis	0-110 (ppm)	33.32 ppm
Total yeasts and molds count(TYMC)	0-10 (cfu/g)	9.98 cfu/g
Absorbance 375nm (15% solution,1cm)	0-0.12	0.02
Total aerobic microbial count (TAMC)	0-100 (cfu/g)	99.98 cfu/g
Loss on Drying(100°-105°C,5h)	0-5 (%)	2.91 %
NaCl	0-1.5 (%)	0.12000 %
Bacterial endotoxins	0-25 (EU/g)	0.91 EU/g
PH (15% Water)	4.5-7	5.32
Specific Rotation [α] _{20/D}	148-164 (°)	160.40 °
Appearance(D491699-1k)	White to Off-White Powder	White to Off-White Powder
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager