

DEXTRAN PRODUCTS

Part of the BIOSPECTRA™ Organization

CERTIFICATE OF ANALYSIS

Product: Sodium Dextran Sulphate
Molecular Weight: 40,000
Lot No: DS40-053
Manufactured Date: January 2023
Expiry Date: January 2028

<u>TESTS</u>	<u>SPECIFICATIONS</u>	<u>RESULTS</u>
Identity (Colormetric)	To Pass Test	Passes
Appearance	Off-white to light yellow powder	Passes
Loss on Drying	NMT 10.0 %	6.5%
Free Inorganic Sulphate	NMT 0.2 %	N.D.
Residue on Ignition	35.0 % to 50.0 %	44.8%
Total Sulphur Content	17.0 % to 20.0 %	19.2%
Glucose Content	35.0 % to 48.0 %	37.7%
Specific Viscosity (25°C in 1.0M NaCl)	0.05 to 0.13	0.08
pH of Aqueous Solution (1%)	5.0 to 7.5	7.1
Specific Rotation $[\alpha]_D^{20}$	+75° to +105°	+93°
Insoluble Iron	NMT 2.0 %	N.D.
Residual Pyridine	NMT 2.0 %	0.9%
Clarity (20% Solution)	NMT 0.9 OD units at 360 nm	0.1
	NMT 10/100 ml	5 spec
Chloride	NMT 1000 ppm	563 ppm

Prepared By: 66 Date: Nov 10/25 Job Title: QC Supervisor

Reviewed By: Chad Date: NOV 10/25 Job Title: QA specialist