

DEXTRAN PRODUCTS

Part of the BIOSPECTRA™ Organization



CERTIFICATE OF ANALYSIS

Product: Sodium Dextran Sulphate
Molecular Weight: 40,000
Lot No: DS40-057
Manufactured Date: April 2023
Expiry Date: April 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 %	6.1%
Free Inorganic Sulphate	NMT 0.2 %	N.D.
Residue on Ignition	35.0 % to 50.0 %	43.6%
Total Sulphur Content	17.0 % to 20.0 %	19.8%
Glucose Content	35.0 % to 48.0 %	39.1%
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	6.8
Specific Rotation $[\alpha]_D^{20}$	+75° to +105°	+96°
Insoluble Iron	NMT 2.0 %	0.01%
Residual Pyridine	NMT 2.0 %	0.8%
Clarity (20% Solution)	NMT 0.9 OD units at 360 nm	0.1
	NMT 10/100 ml	2 spec
Chloride	NMT 1000 ppm	723 ppm

Prepared By: LM Date: Jan. 28/2025 Job Title: QC Manager

Reviewed By: Chad Date: Jan 28/25 Job Title: QA Supervisor