

DEXTRAN PRODUCTS

Part of the BIOSPECTRA™ Organization

CERTIFICATE OF ANALYSIS

Product: Sodium Dextran Sulphate
Molecular Weight: 40,000
Lot No: DS40-054
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 %	6.2%
Free Inorganic Sulphate	NMT 0.2 %	0.01%
Residue on Ignition	35.0 % to 50.0 %	44.0%
Total Sulphur Content	17.0 % to 20.0 %	19.7%
Glucose Content	35.0 % to 48.0 %	38.9%
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°	+97°
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 NMT 10/100 ml	0.1 1 spec
Chloride	NMT 1000 ppm	732 ppm

Prepared By: *SM* Date: *Feb. 14/25* Job Title: *QC Manager*

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