

DEXTRAN PRODUCTS

Part of the BIOSPECTRA™ Organization

CERTIFICATE OF ANALYSIS

Product: Sodium Dextran Sulphate
Molecular Weight: 500,000
Lot No: DSM 178B
Manufactured Date: March 2024
Expiry Date: March 2029

<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	Less than 10.0 %	7.5%
Free Inorganic Sulphate	Less than 0.2 %	0.01%
Residue on Ignition	40.0 % to 50.0 %	43.4%
Total Sulphur Content	17.0 % to 20.0 %	19.8%
Glucose Content	35.0 % to 48.0 %	37.4%
Specific Viscosity (25°C in 1.0M NaCl)	0.10 to 0.70	0.26
pH of Aqueous Solution (1%)	5.0 to 7.5	6.6
Specific Rotation $[\alpha]_D^{20}$	+75° to 105°	+98°
Insoluble Iron	Less than 2.0 %	N.D.
Residual Pyridine	Less than 2.0 %	0.6%
Clarity (20% solution)	NMT 0.9 OD units at 360 nm NMT 10 specs in 100ml of 20% Soln.	0.2 6
Chloride	Less than 1000 ppm	415 ppm

Prepared By: *SM* Date: *Jan. 29/2025* Job Title: *QC Manager*

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