

DEXTRAN PRODUCTS

Part of the BIOSPECTRA™ Organization

CERTIFICATE OF ANALYSIS

Product: Sodium Dextran Sulphate
Molecular Weight: 40,000
Lot No: DS40-065
Manufactured Date: September 2024
Expiry Date: September 2029

TESTS

SPECIFICATIONS

RESULTS

Identity (Colormetric)	To Pass Test	Passes
Appearance	Off-white to light yellow powder	Passes
Loss on Drying	NMT 7.0 %	6.7%
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 %	19.7%
Glucose Content	35.0 % to 48.0 %	38.8%
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 %	N.D
Residual Pyridine	NMT 2.0 %	0.9%
Clarity (20% Solution)	NMT 0.9 OD units at 360 nm NMT 10/100 ml	0.1 1
Chloride	NMT 1000 ppm	792ppm
Average Molecular Weight		40,746.95Das

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