



Certificate of Analysis

Dextran Sulfate Sodium Colitis Grade

Catalog Number: DS1004
Lot Number: 1024701
CAS Number: 9011-18-1
Molecular Formula: $(C_6H_7O_{14}Na_3S_3)_n$
Molecular Weight: 36-50kDa
Storage: 15°C – 30°C
Date of Manufacture: March 22, 2017
Retest Date: March 21, 2019

Test	Specification	Result
Appearance	Off-white to yellow powder	Conforms
Identity (Colorimetric)	To pass test	Conforms
Specific Rotation	+75 – +105°	+96°
Total Sulfur Content	17.0 – 20.0%	19.3%
Glucose Content	35.0% – 48.0%	36%
Moisture (LOD)	≤ 10.0%	5.2%
pH (1% in Water)	5.0 – 7.5	6.1
Clarity (20% in Water)	≤ 0.90OD at 360nm ≤ 10 specs in 100mL of solution	0.2 8 specs
Specific Viscosity (25°C in 1.0M NaCl)	0.05 – 0.13	0.08
Residue on Ignition	35.0% – 50.0%	42.2%
Chloride	≤ 1000ppm	241ppm
Residual Pyridine	≤ 2.0%	0.5%
Free Inorganic Sulfate	≤ 0.2%	None detected
Insoluble Iron	≤ 2.0%	None detected

Approved by:

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