



Specification

Dextran Sulfate Sodium Colitis

Catalog Number: DS1004
CAS Number: 9011-18-1
Molecular Formula: $(C_6H_7O_{14}Na_3S_3)_n$
Molecular Weight: 36-50kDa
Storage: 15°C – 30°C
Retest Period: Two years from the date of manufacture

Test	Specification
Appearance	Off-white to yellow powder
Identity (Colorimetric)	To pass test
Specific Rotation	+75 – +105°
Total Sulfur Content	17.0 – 20.0%
Glucose Content	35.0% – 48.0%
Moisture (LOD)	≤ 10.0%
pH (1% in Water)	5.0 – 7.5
Clarity (20% in Water)	≤ 0.90OD at 360nm ≤ 10 specs in 100mL of solution
Specific Viscosity (25°C in 1.0M NaCl)	0.05 – 0.13
Residue on Ignition	35.0% – 50.0%
Chloride	≤ 1000ppm
Residual Pyridine	≤ 2.0%
Free Inorganic Sulfate	≤ 0.2%
Insoluble Iron	≤ 2.0%

Approved:

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