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## CERTIFICATE OF QUALITY

Product: Dextran sulfate Na 36000~50000  
Dextran sulfate sodium,DSS  
Lot: 20231218  
Code: HA1132  
CAS-No: [9011-18-1]  
Mol. Formula:  $(C_6H_7O_{14}Na_3S_3)_n$   
Mol. Weight: ~40,000  
Packing: 100g/Bottle

Item	Specifications	Results
Glucose content	35.0~48.0%	37.4%
Total sulphur content	17.0~20.0%	19.5%
Identification(Colorimetric)	To pass test	Complies
Loss on drying	≤10.0%	6.6%
Residue on ignition	35.0~50.0%	44.1%
Free inorganic sulphate	≤0.2%	None detected
Specific viscosity	0.05~0.13	0.07
Specific rotation	+75°~+105°	+95°
pH(1% Solution)	5.0~7.5	7.0
Insoluble iron	≤2.0%	None detected
Residual pyridine	≤2.0%	0.9%
Clarity(20% solution)	OD (at 360nm) : ≤0.9 100mL of 20% soln : ≤10 specs	0.1 4specs
Chloride	≤1000ppm	579ppm
Appearance	Off-white to light yellow powder	Complies

**Storage:** Store at room temperature. Protect from moisture.

**Mfg:** 18.12.2023

**Exp:** 17.12.2025