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Certificate of Analysis

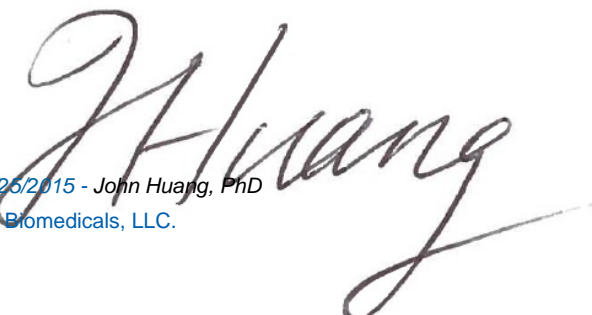
Product Description: Dextran Sulfate Sodium Salt
Catalog Number: 160110
Lot: QR10752

Formula: N/A
CAS #: 9011-18-1
Physical Description: White Powder

Formula Weight: 36,000 - 50,000
Storage: Room Temperature

Test	Specification	Result
Identity Test	Passes	Passes
Moisture	≤10%	7.04%
Residue on Ignition	≤50%	41.8%
Sulphur	~18 - 20%	18.4%
Glucose	35 - 50%	40.1%
pH (1% aq soln)	5 - 7.5	7.2
Specific Rotation	+75° to +105°	+86.7°
Free Sulphate	≤ 0.2%	Not Detected

Specific Viscosity (1.0 M NaCl): 0.09
Insoluble Iron: Not Detected
Residual Pyridine: 0.6%
Clarity (OD units @ 360 nm, 20% soln): 0.12
Clarity (100 ml/20% soln): 7 specs
Chloride: 514 ppm
Recommended Retest Date: 06/23/2016


06/26/2015 - John Huang, PhD
MP Biomedicals, LLC.

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<http://www.mpbio.com>

Online Ordering, MSDSs, certificates of analysis and data sheets now available on our web site

Technical Service: 1-800-279-5490 (440-337-1200) Customer Service: 1-800-854-0530 (440-337-1200)