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## Certificate of Analysis

**Product Description:** Dextran Sulfate Sodium Salt  
**Catalog Number:** 160110  
**Lot:** QR11917

**Formula:** N/A  
**CAS #:** 9011-18-1  
**Physical Description:** Off-white Powder

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

Test	Specification	Result
Identity Test	Passes	Passes
Moisture	≤10%	5.1%
Residue on Ignition	≤50%	42.2%
Sulphur	~18 - 20%	19%
Glucose	35 - 50%	39.7%
pH (1% aq soln)	5 - 7.5	7.1
Specific Rotation	+75° to +105°	+91.5°
Free Sulphate	≤ 0.2%	None detected

Insoluble Iron: None detected

Residual Pyridine: 0.5%

Clarity (20% soln):

- @ 360 nm: 0.1

- specs in 20% soln: 8 specs

Chloride: 377 ppm

Recommended Retest Date: 02/08/2019

02/10/2016 - John Huang, PhD  
MP Biomedicals, LLC.

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