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## Certificate of Analysis

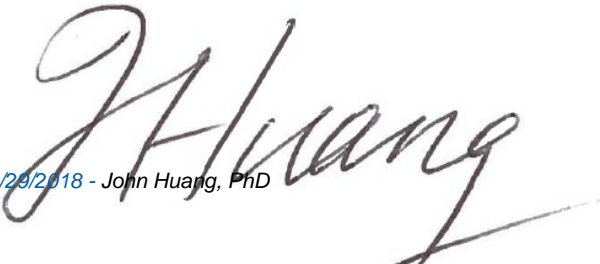
**Product Description:** Dextran Sulfate Sodium Salt\_  
**Catalog Number:** 160110\_  
**Lot:** S0433\_

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

**Formula Weight:** 36,000 - 50,000  
**Storage:** 15 - 30°C

| Test                | Specification | Result        |
|---------------------|---------------|---------------|
| Identity Test       | Passes        | Passes        |
| Moisture            | ≤10%          | 4.7%          |
| Residue on Ignition | ≤50%          | 43.0%         |
| Sulphur             | ~18 - 20%     | 19.3%         |
| Glucose             | 35 - 50%      | 39.0%         |
| pH (1% aq soln)     | 5 - 7.5       | 7.25          |
| Specific Rotation   | +75° to +105° | +92.7°        |
| Free Sulphate       | ≤ 0.2%        | None detected |

Specific viscosity: 0.09%  
Insoluble iron: None detected  
Residual pyridine: 0.6%  
Clarity (20% solution):  
- 360nm: OD=0.1  
- 7 spec in 100 ml of 20% solution  
Chloride: 496 ppm  
Recommended Retest Date: 06/30/2021



11/29/2018 - John Huang, PhD

MP Biomedicals, LLC.  
Quality Control Manager

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

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