



**MP Biomedicals, LLC**

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## Certificate of Analysis

**Product Description:** Dextran, Clinical Grade, MW 60,000 - 90,000\_  
**Catalog Number:** 180140\_  
**Lot:** Q9089\_

**Formula:** N/A  
**CAS #:** 9004-54-0  
**Physical Description:** White Powder

**Formula Weight:** 60,000 - 90,000  
**Storage:** 15 - 30°C

Test	Specification	Result
Identity Test	Passes	Passes

Specific rotation: +189.67°  
IR: Complies  
Solubility: Clear, colorless  
Loss on drying: 4.8%  
Acidity or alkalinity: Complies  
Heavy metals: <10 ppm  
Residual solvents: Complies  
Molecular-mass distribution:  
- Mw: 65,700  
- M10: 181,000  
- M90: 15,880  
Bacterial endotoxins: <16 IU/g  
Sulphated ash: 0.1%  
Nitrogenous: <110 ppm  
Microbial contamination:  
- TAMC: <10 cfu/g  
Recommended Retest Date: 12/31/2019

04/24/2018 - John Huang, PhD  
MP Biomedicals, LLC.  
Quality Control Manager

<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)