



**MP Biomedicals, LLC**

29525 Fountain Parkway  
Solon, Ohio 44139

Telephone: 440/337-1200  
Toll Free: 800/854-0530

Fax: 440/337-1180  
web: www.mpbio.com

## Certificate of Analysis

**Product Description:** Dextran, Clinical Grade, MW 60,000 - 90,000\_  
**Catalog Number:** 180140\_  
**Lot:** M5812\_

|   |  |
|---|--|
| <b>Formula:</b> N/A<br><b>CAS #:</b> 9004-54-0<br><b>Physical Description:</b> White Powder | <b>Formula Weight:</b> 60,000 - 90,000<br><b>Storage:</b> Room Temperature |
|---|--|

| Test          | Specification | Result |
|---------------|---------------|--------|
| Identity Test | Passes        | Passes |

Identification A (IR): Positive  
Identification B (intercept value): 24 - 29 ml/g  
Specific Rotation: +196.64°  
Loss on Drying: 5.04%  
Color of Solution: 0.090  
pH: 5.30  
Heavy Metals: <5 ppm  
Safety: Complies  
MW Distribution: 67,410  
- High Fraction: 13,7870  
- Low Fraction: 16,977  
MW Number: 41,500  
Sulfate: #0.03%  
Alcohol and Related Impurities: Complies  
Residual Solvents:  
- Ethanol: 0.01%  
Bacterial Endotoxins: <0.5 EU/ml  
Nitrogenous Impurities: <0.006%  
Antigenic Impurities: Complies

*Christina Marotta*

01/09/2013 - Christina Marotta

MP Biomedicals, LLC.

Technical Director

<mailto:biotech@mpbio.com>

<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)