

**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:** Magnesium Sulfate Heptahydrate, molecular biology reagent.  
**Catalog Number:** 194833\_  
**Lot:** S0555\_

**Formula:** MgSO<sub>4</sub>·7H<sub>2</sub>O

**CAS #:** 10034-99-8

**Physical Description:** White Crystalline Powder

**Formula Weight:** 246.47

**Storage:** 15 - 30°C

Test	Specification	Result
Identity Test	Passes	Passes
Purity	#99%	100.24%
Moisture	Report Result	38.17%

pH (5% aq soln, 25°C): 6.10

Insoluble Matter: 0.0035%

Chloride: <5 ppm

Nitrate: <0.002%

Ammonium (NH<sub>4</sub>): <0.002%

Calcium: 0.0016%

Manganese (Mn): 3.1 ppm

Potassium: 0.0032%

Sodium: 0.0006%

Strontium: 0.0008%

Heavy Metals: <5 ppm

Iron: <5 ppm

Recommended Retest Date: 12/04/2021

12/14/2018 - John Huang, PhD

MP Biomedicals, LLC.

Quality Control Manager

This is an electronically generated document  
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)