



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: M5090_

Formula: MgSO₄·7H₂O

CAS #: 10034-99-8

Physical Description: White Crystalline Powder

Formula Weight: 246.47

Storage: Room Temperature

Test	Specification	Result
Identity Test	Passes	Passes
Purity	#99%	100.13%
Moisture	Report Result	37.58%

pH (5% aq soln, 25°C): 6.15

Insoluble Matter: 0.003%

Chloride: <5 ppm

Nitrate: 0.001%

Ammonium (NH₄): <0.002%

Calcium: 0.006%

Manganese: 2 ppm

Potassium: 0.0008%

Sodium: 0.0013%

Strontium: 0.002%

Heavy Metals: <5 ppm

Iron: <5 ppm

Loss on Ignition: 50.82%

Selenium: Not Detected

Lead: 2.5 mg/kg

Organic Volatile Impurities: Passes

Residual Solvents: Solvent other than water was not used during production or purification process of the product.

Christina Marotta

10/02/2012 - Christina Marotta

MP Biomedicals, LLC.

Technical Director

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)