



MP Biomedicals, LLC

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Certificate of Analysis

Product Description: Magnesium Sulfate Heptahydrate, molecular biology reagent_
Catalog Number: 194833_
Lot: M2700_

Formula: MgSO ₄ ·7H ₂ O CAS #: 10034-99-8 Physical Description: White Crystalline Powder	Formula Weight: 246.5 Storage: Room Temperature
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Test	Specification	Result
Identity Test	Passes	Passes
Purity	≥99%	101.85%
Moisture	Report Result	37.37%

pH (5% aq soln, 25°C): 6.12
Insoluble Matter: 0.0025%
Chloride: <5 ppm
Nitrate: 0.001%
Ammonium (NH₄): <0.002%
Calcium: 0.0049%
Manganese (Mn): 3.5 ppm
Potassium: 0.0002%
Sodium: 0.0002%
Strontium (Sr): 0.003%
Heavy Metals: <5 ppm
Iron: <5 ppm
Loss on Ignition: 51.15%
Selenium (Se): 0.001%
Organic Volatile Impurities: Passes

Christina Marotta

11/09/2011 - Christina Marotta
MP Biomedicals, LLC.
Technical Director

This is an electronically generated document
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<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)