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## Certificate of Analysis

**Product Description:** Magnesium Sulfate Heptahydrate, molecular biology reagent

**Catalog Number:** 194833

**Lot:** M9805

**Formula:**  $MgSO_4 \cdot 7H_2O$

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

**Physical Description:** White Crystalline Powder

**Formula Weight:** 246.47

**Storage:** Room Temperature

Test	Specification	Results
Identity Test	Passes	Passes
Purity	#99%	99.22%
Moisture	Report Result	39.28%

pH (5% aq soln, 25°C): 7.01

Insoluble Matter: 0.002%

Chloride: <5 ppm

Nitrate: 0.002%

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

Calcium: 0.005%

Manganese (Mn): 2 ppm

Potassium: 0.0008%

Sodium: 0.002%

Strontium: 0.0005%

Heavy Metals: <5 ppm

Iron: <5 ppm

*Christina Marotta*

10/09/2014 - Christina Marotta

MP Biomedicals, LLC.

Technical Director

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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)

