



MP Biomedicals, LLC

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Certificate of Analysis

Product Description: Magnesium Sulfate Heptahydrate, molecular biology reagent
Catalog Number: 194833
Lot: S2737

| | |
|---|--|
| Formula: MgSO ₄ ·7H ₂ 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% | 100.36% |
| Moisture | Report Result | 35.03% |

Solubility: Very soluble in boiling water , freely soluble in water, freely (and slowly) soluble in glycerin, sparingly soluble in alcohol

Assay (on ignition basis): 100.31%

pH (5% aq soln, 25°C): 7.41

Insoluble Matter: 0.003%

Chloride (Cl): <5 ppm

Nitrate (NO₃): <0.002%

Ammonium (NH₄): <0.002%

Calcium (Ca): 0.0052%

Manganese (Mn): 2 ppm

Potassium (K): 0.0018%

Sodium (Na): 0.0012%

Strontium (Sr): 0.0014%

Heavy Metals (as Pb): <5 ppm

Iron (Fe): <5 ppm

Lead (Pb): 1.5 mg/kg

Selenium (Se): <30ug/g

Loss on ignition (450 +/- 25°C): 51.38%

Recommended Retest Date (MM/DD/YYYY): 06/24/2022

10/11/2019 - John Huang, PhD

MP Biomedicals, LLC.

Quality Control Manager

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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)