

Certificate of Analysis

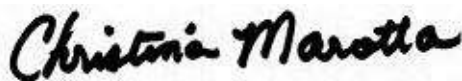
Product Description: Magnesium Sulfate Heptahydrate, ACS
Catalog Number: 191422
Lot: MR31431

Formula: MgSO₄·7H₂O
CAS #: 10034-99-8
Physical Description: White Crystalline Powder

Formula Weight: 246.47
Storage: Room Temperature

Test	Specification	Result
Assay	98.0 - 102.0%	100.58%
pH (5% aq soln)	5.0 - 8.2	5.88
Insoluble Matter	≤0.005%	0.002%
Chloride (Cl)	≤5 ppm	<5 ppm
Nitrate (NO ₃)	≤0.002%	0.002%
Ammonium (NH ₄)	≤0.002%	<0.002%
Calcium (Ca)	≤0.02%	0.0193%
Manganese (Mn)	≤5 ppm	4 ppm
Potassium (K)	≤0.005%	0.0045%
Sodium (Na)	≤0.005%	0.0048%
Strontium (Sr)	≤0.005%	0.0002%
Heavy Metals (Pb)	≤5 ppm	<5 ppm
Iron (Fe)	≤5 ppm	<5 ppm

Moisture: 42%
Identity Test: Passes



04/22/2014 - Christina Marotta

MP Biomedicals, LLC.
Technical Director

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