

**MP Biomedicals, LLC**

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Certificate of Analysis

Product Description: Zinc Sulfate, ACS_

Catalog Number: 191452_

Lot: 3190A_

Formula: $\text{ZnSO}_4 \cdot 7\text{H}_2\text{O}$

CAS #: 7446-20-0

Physical Description: White crystals

Formula Weight: 287.56

Storage: RT

Test	Specification	Results
Assay	99.0-103.0%	99.71%
pH (5% aq.)	4.4-6.0	5.24
Insoluble matter	NMT 0.01%	Passes
Chloride	NMT 5 ppm	0.0001%
Nitrate	NMT 0.002%	Passes
Ammonium	NMT 0.001%	0.0001%
Arsenic	NMT 1 ppm	Passes
Calcium	NMT 0.005%	0.001%
Iron	NMT 0.001%	0.0003%
Lead	NMT 0.003%	0.0001%
Magnesium	NMT 0.005%	0.001%
Manganese	NMT 3 ppm	0.0001%
Potassium	NMT 0.01%	0.001%
Sodium	NMT 0.05%	0.002%

03/30/1998 - Joseph Dietz, Ph.D.

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)