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Certificate of Analysis

Product Description: Zinc Sulfate Heptahydrate
Catalog Number: 193453
Lot: Q6849**Formula:** $\text{ZnSO}_4 \cdot 7\text{H}_2\text{O}$ **CAS #:** 7446-20-0**Physical Description:** White Crystals**Formula Weight:** 287.54**Storage:** 15 - 30°C, desiccate

Test	Specification	Result
Identity Test	Passes	Passes
Purity	≥98%	101.11%

pH: 4.48

Insoluble matter: 0.006%

Chloride (Cl): <5 ppm

Nitrate (NO₃): <0.002%Ammonium (NH₄): <0.001%

Calcium (Ca): 0.0003%

Iron (Fe): <0.001%

Lead (Pb): <0.002%

Magnesium (Mg): 0.0015%

Manganese (Mn): 0.5 ppm

Potassium (K): 0.0026%

Sodium (Na): 0.001%

Arsenic (As): <14 ppm

Alkalies & alkaline earths: 0.32%

Recommended Retest Date: 01/24/2020

06/19/2017 - John Huang, PhD

MP Biomedicals, LLC.

Quality Control Manager

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http://www.mpbio.com

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Technical Service: 1-800-279-5490 (440-337-1200) Customer Service: 1-800-854-0530 (440-337-1200)