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## Certificate of Analysis

**Product Description:** Manganese Sulfate Monohydrate, cell culture reagent.

**Catalog Number:** 194702\_

**Lot:** MR28345\_

**Formula:**  $\text{MnSO}_4 \cdot \text{H}_2\text{O}$

**CAS #:** 10034-96-5

**Physical Description:** Pale Pink Powder

**Formula Weight:** 169.0

**Storage:** Room Temperature, desiccate

| Test          | Specification | Result |
|---------------|---------------|--------|
| Identity Test | Passes        | Passes |

Loss on Ignition: 10.8%

Substances not ppt'ed by Ammonium Sulfide: 0.3%

Arsenic (As): <0.0003%

Lead (Pb): <0.0004%

Selenium (Se): <0.003%

Residual solvents: Complies per USP

Assay: 99.82%  $\text{MnSO}_4 \cdot \text{H}_2\text{O}$

06/28/2011 - 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)