



**MP Biomedicals, LLC**

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## Certificate of Analysis

**Product Description:** Calcium Nitrate Tetrahydrate, ACS.

**Catalog Number:** 193801.

**Lot:** 2593A.

**Formula:**  $\text{Ca}(\text{NO}_3)_2 \cdot 4\text{H}_2\text{O}$

**CAS #:** 13477-34-4

**Physical Description:** colorless coarse crystals

**Formula Weight:** 236.15

**Storage:** Room Temperature, protect from moisture

| Test                                                | Specification  | Result  |
|-----------------------------------------------------|----------------|---------|
| Assay                                               | 99.0-103.0%    | 99.5%   |
| pH (5% aq.)                                         | 5.0-7.0        | 6.8     |
| Insoluble Matter and Ammonium Hydroxide Precipitate | $\leq 0.005\%$ | 0.001%  |
| Chloride (Cl)                                       | $\leq 0.005\%$ | 0.0007% |
| Sulfate ( $\text{SO}_4$ )                           | $\leq 0.002\%$ | 0.0008% |
| Barium (Ba)                                         | $\leq 0.005\%$ | 0.003%  |
| Heavy Metals (as Pb)                                | $\leq 5$ ppm   | 1 ppm   |
| Iron (Fe)                                           | $\leq 5$ ppm   | 3 ppm   |
| Magnesium and Alkali Salts (as sulfates)            | $\leq 0.2\%$   | 0.1%    |
| Nitrite ( $\text{NO}_2$ )                           | $\leq 0.001\%$ | 0.0003% |

05/07/1988 - Joseph Dietz, Ph.D.

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Online Ordering, MSDSs, certificates of analysis and data sheets now available on our web site

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