

# Chem-Impex International, Inc.

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**Manufacturing site:**

825 Dillon Drive

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## Certificate of Analysis

**Catalogue Number** 01437  
**Lot Number** 000331-32637  
**Product** **Calcium nitrate tetrahydrate**

Calcium (II) nitrate, hydrous

**CAS Number** 13477-34-4  
**Molecular Formula**  $\text{Ca}(\text{NO}_3)_2 \cdot 4\text{H}_2\text{O}$

**Molecular Weight** 236.15

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**Appearance** White crystalline powder  
**Solubility** 66 g in 100 mL water at 30 °C  
**Melting Point** 42 °C (Approx.)  
**Heavy Metals** Not detectable  
**Anion** Chloride (Cl<sup>-</sup>): < 0.005%  
Nitrite (NO<sub>2</sub><sup>-</sup>): Not detectable  
Sulfate (SO<sub>4</sub><sup>2-</sup>): < 0.002%  
**Cation** Barium (Ba): < 0.001%  
Iron (Fe): Not detectable  
Magnesium (Mg): 0.004%  
Potassium (K): < 0.001%  
Sodium (Na): 0.002%  
Strontium (Sr): 0.002%  
**pH** 6.89 (5% solution at 25 °C)  
**Insoluble material** < 0.0010%  
**Assay by titration** 99.8%  
**Grade** ACS reagent  
**Application** Used in the preparation of calcium standard solutions.  
**Storage** Store at RT

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**Remarks**

See material safety data sheet for additional information

For laboratory use only

**The foregoing is a copy of the Certificate of Analysis as provided by our supplier**



**Bala Kumar**  
**Quality Control Manager**