



# Product Specification

## Product Name: **CALCIUM NITRATE Tetrahydrate AR**

Alternate Name(s) Calcium nitrate.

### Description

Deliquescent solid.

### Properties

Chemical Formula:

Molecular Weight: 236.15

Product Code: CA015

CAS No. 13477-34-4

### General Information:

Incompatible with combustible material and reducing agents. Mixtures with combustible material may ignite and burn fiercely. When prepared as fertilizer does not readily absorb moisture.

### Hazard and Safety Data

UN Group: III  
Class: 5.1  
UN Number: 1454  
Hazchem code: 1Z  
CS MSDS Code: 1CH1N  
Poison schedule: Not Scheduled  
Emergency  
Procedure Guide No.: 31

### Quality Specification

Assay: 99.0% - 103.0%

### Specific Properties and Impurities [Typical levels]:

pH of a 5% solution @ 25°C	5.0-7.0
Insoluble matter	≤ 0.005%
Chloride (Cl)	≤ 0.005%
Nitrite (NO <sub>2</sub> )	≤ 0.001%
Sulfate (SO <sub>4</sub> )	≤ 0.002%
Heavy metals (as Pb)	≤ 0.0005%
Barium (Ba)	≤ 0.005%
Iron (Fe)	≤ 0.0005%
Magnesium (Mg)	≤ 0.05%
Potassium (K)	≤ 0.005%
Sodium (Na)	≤ 0.01%
Strontium (Sr)	≤ 0.05%

CONFORMS TO ACS

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