



Product Specification

Product Name: **CALCIUM NITRATE Tetrahydrate LR**

Alternate Name(s) **CALCIUM NITRATE**

Description

Deliquescent solid.

Properties

Chemical Formula: **Ca(NO₃)₂·4H₂O**

Molecular Weight: **236.15**

Product Code: **CL015**

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: **1[Z]**
CS MSDS Code: **1CH1N**
Poison schedule: **Not Scheduled**
Emergency
Procedure Guide No.: **31**

Quality Specification

Assay: **99.0% min.**

Specific Properties and Impurities [Typical levels]:

Chloride	≤ 0.005%
Sulfate	≤ 0.03%
Iron	≤ 0.003%
Insoluble matter	≤ 0.01%
Heavy metals (asPb)	≤ 0.001%
Melting Point	42 °C
Specific Gravity	1.82
Solubility in Water	2660 g/L
Decomposition Temp.	130 °C

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