

## Technical Information

### Calcium Nitrate Tetrahydrate Plant Culture Tested

Product Code: PCT1005

#### Product Information

Product Code	: PCT1005
Product Name	: Calcium nitrate tetrahydrate, Plant Culture Tested
Molecular Formula	: $\text{Ca}(\text{NO}_3)_2 \cdot 4\text{H}_2\text{O}$
Molecular Weight	: 236.15
CAS No.	: 13477-34-4

#### Technical Specification

Appearance	: White crystals.
Solubility	: Soluble in water.
pH 5% w/v aqueous solution at 25°C.	: 6.00 - 8.00
Cultural response	: Cultures conditions - Incubation period (5wks), Relative humidity (60±2%), Temperature (25±2°C), Photoperiod Day: Night in hours (16:8)
Shoot culture	: No structural deformity observed, actively growing shoots, no toxicity to Shoots.
Callus culture	: No necrotic tissues, actively growing callus, no toxicity to callus.
Chloride (Cl)	: ≤ 0.005%
Magnesium (Mg)	: ≤ 0.05%
Heavy metals (as Pb)	: ≤ 0.0005%
Iron (Fe)	: ≤ 0.0005%
Nitrite ( $\text{NO}_2$ )	: ≤ 0.001%
Sodium (Na)	: ≤ 0.01%
Strontium (Sr)	: ≤ 0.05%
Sulphate ( $\text{SO}_4$ )	: ≤ 0.002%
Potassium (K)	: ≤ 0.005%
Insoluble matter	: ≤ 0.005%
Barium (Ba)	: ≤ 0.005%
Minimum Assay	: 99.00 %

#### GHS Safety information

Hazard Statement(s)	: H272
Precautionary Statement (s)	: P220
Signal Word	: Warning

Hazard Pictogram(s)



GHS03

#### Risk And Safety Information

Phrase(s)	: 8
RTECS	: EW3000000
Storage Temperature(°C)	: Store below 30°C



Plant Culture  
Tested



## Product Specification

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### Transport Information

UN No.	: 1454
Class	: 5.1
Packaging Group	: 3
ADR/RID	: 1454 5.1 / PG 3
IMDG	: 1454 5.1 / PG 3
IATA	: 1454 5.1 / PG 3

### Disclaimer :

- User must ensure suitability of the product(s) in their application prior to use.
- The product conforms solely to the technical information provided in this booklet and to the best of knowledge research and development work carried at **CDH** is true and accurate.
- **Central Drug House Pvt. Ltd.** reserves the right to make changes to specifications and information related to the products at any time.
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- Do not use the products if it fails to meet specifications for identity and performance parameters.