

Technical Information

Sodium Nitrate Plant Culture Tested

Product Code: PCT1014

Product Information

Product Code	: PCT1014
Product Name	: Sodium nitrate, Plant Culture Tested
Molecular Formula	: NaNO ₃
Molecular Weight	: 84.99
CAS No.	: 7631-99-4

Technical Specification

Appearance	: White transparent crystals or crystalline powder
Solubility	: Soluble in water
Reaction	: Reaction of 5 % w/v aqueous solution at 25°C.
pH	: 5.50 - 7.50
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)	: ≤0.001%
Magnesium (Mg)	: ≤0.002%
Calcium (Ca)	: ≤0.005%
Heavy metals (as Pb)	: ≤0.0005%
Iron (Fe)	: ≤0.0003%
Sulphate (SO ₄)	: ≤0.003%
Phosphate (PO ₄)	: ≤0.0005%
Insoluble matter	: ≤0.005%
Minimum Assay	: 99.00 %

GHS Safety Information

Hazard Statement(s)	: H272-H302-H315-H319-H335
Precautionary Statement(s)	: P220-P261-P305+P351+P338
Signal Word	: Warning
Hazard Pictogram(s)	 

GHS03

GHS07

Risk And Safety Information

R-Phrase(s)	: 8-22-36/37/38
S-Phrase(s)	: 17-26-27-36/37/39
WGK	: 3
RTECS	: WC5600000
Storage Temperature(°C)	: Store below 30°C

Plant Culture
Tested



Product Specification

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Transport Information

UN No.	: 1498
Class	: 5.1
Packaging Group	: 3
Marine Pollutant	: No
ADR/RID	: 1498 5.1/PG 3
IMDG	: 1498 5.1/PG 3
IATA	: 1498 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.