

### 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 <sub>3</sub>
Molecular Weight	:	84.99
CAS No.	:	7631-99-4

#### Technical Specification

Appearance	:	White to off white crystals or crystalline powder
Solubility	:	10% solution in water is clear and colourless.
Reaction	:	Reaction of 5 % w/v aqueous solution at 25°C.
pH	:	5.0 - 7.5
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 <sub>4</sub> )	:	<=0.003%
Phosphate (PO <sub>4</sub> )	:	<=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)		 

#### 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

### 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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