

Potassium Nitrate, Plant Culture Tested

Product Code: PCT1010

Product Information

Product Code	: PCT1010
Product Name	: Potassium nitrate, Plant Culture Tested
Molecular Formula	: KNO ₃
Molecular Weight	: 101.10
CAS No.	: 7757-79-1

Technical Specification

Appearance	: Colourless / white crystals / crystalline powder.
Solubility	: 10% solution in water is clear and colourless.
pH (5% in water at 25°C)	: 4.5 - 8.5
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)	: <= 0.002%
Iron (Fe)	: <= 0.001%
Sulfate (SO ₄)	: <= 0.005%
Minimum assay (Ion-exchange)	: 99.00 %

GHS Safety Information

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



GHS03



GHS07

Risk And Safety Information

R-Phrase(s)	: 8
WGK	: 1
RTECS	: TT3700000
Storage Temperature(°C)	: Store below 30°C

Transport Information

UN No.	: 1486
Class	: 5.1
Packaging Group	: 3
EMS Code	: F-A, S-Q
Marine Pollutant	: No
ADR/RID	: 1486 5.1/PG 3
IMDG	: 1486 5.1/PG 3
IATA	: 1486 5.1/PG 3



Plant Culture
Tested



Product Specification

cdhfinechemical.com

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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- Statements contained herein should not be considered as a warranty of any kind, expressed or implied, and no liability is accepted for infringement of any patents.
- Do not use the products if it fails to meet specifications for identity and performance parameters.

Replace date 26-Nov-2025