

Technical Information

Potassium Iodide Plant Culture Tested

Product Code: PCT1116

Product Information

Product Code	: PCT1116
Product Name	: Potassium iodide, Plant Culture Tested
Molecular Formula	: KI
Molecular Weight	: 166
CAS No.	: 7681-11-0

Technical Specification

Appearance	: Colourless or white crystals or crystalline powder or granules.
Solubility	: 10% Solution in water is clear & colourless.
pH (5% in water at 25°C)	: 6.00 - 9.20
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
Phosphate (PO ₄)	: ≤ 0.001%
Iodate (IO ₃)	: ≤ 0.0002%
Sulfate (SO ₄)	: ≤ 0.0025%
Nitrogen compounds (as N)	: ≤ 0.001%
Iron (Fe)	: ≤ 0.0002%
Magnesium (Mg)	: ≤ 0.0005%
Calcium (Ca)	: ≤ 0.0005%
Lead (Pb)	: ≤ 0.0002%
Sodium (Na)	: ≤ 0.1%
Barium (Ba)	: ≤ 0.001%
Water insoluble matter	: ≤ 0.003%
Chloride & Bromide (as Cl)	: ≤ 0.01%
Iodine reducing substances	: ≤ 0.001%
Loss on drying (at 105°C, 2hr)	: ≤ 1.00%
Minimum assay (oxidimetric; after drying)	: 99.80 %

GHS Safety Information

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



GHS07

Risk And Safety Information

R-Phrase(s)	: 22-36/38
S-Phrase(s)	: 26
WGK	: 1
RTECS	: TT2975000
Storage Temperature(°C)	: Store below 30°C

Transport Information

Marine Pollutant	: No
ADR/RID	: Not Dangerous Goods
IMDG	: Not Dangerous Goods
IATA	: Not Dangerous Goods

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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