

Technical Information

Manganese(II) Chloride Tetrahydrate Plant Culture Tested

Product Code: PCT1112

Product Information

Product Code	: PCT1112
Product Name	: Manganese(II) Chloride Tetrahydrate, Plant Culture Tested
Synonym	: Manganese Chloride Tetrahydrate
Molecular Formula	: $MnCl_2 \cdot 4H_2O$
Molecular Weight	: 197.91
CAS No.	: 13446-34-9

Technical Specification

Appearance	: Pink crystals or crystalline powder.
Solubility	: Soluble in water.
pH (5% in water at 25°C)	: 4.00 - 6.00
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
Magnesium (Mg)	: ≤ 0.005 %
Calcium (Ca)	: ≤ 0.005 %
Heavy metals (as Pb)	: ≤ 0.0005 %
Iron (Fe)	: ≤ 0.0005 %
Sulphate (SO ₄)	: ≤ 0.005 %
Potassium (K)	: ≤ 0.01 %
Sodium (Na)	: ≤ 0.05 %
Zinc (Zn)	: ≤ 0.005 %
Insoluble matter	: ≤ 0.005 %
Minimum assay (AT/EDTA Titration)	: 98.00 %

GHS Safety Information

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



GHS07

Risk And Safety Information

R-Phrase(s)	: 22-52
WGK	: 1
RTECS	: 009650000
Storage Temperature(°C)	: Store below 30°C

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Tested



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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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