

Technical Information

Copper (II) Sulphate Pentahydrate Plant Culture Tested

Product Code: PCT1104

Product Information

Product Code	: PCT1104
Product Name	: Copper (II) sulphate pentahydrate, Plant Culture Tested
Molecular Formula	: $\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$
Molecular Weight	: 249.69
CAS No.	: 7758-99-8

Technical Specification

Appearance	: Blue crystals or crystalline powder.
Solubility	: Soluble in water.
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%
Iron (Fe)	: ≤ 0.005%
Nitrogen compounds (N)	: ≤ 0.002%
Water insoluble matter	: ≤ 0.005%
Nickel (Ni)	: ≤ 0.01%
Sodium (Na)	: ≤ 0.02%
Potassium (K)	: ≤ 0.01%
Minimum assay ($\text{Na}_2\text{S}_2\text{O}_3$ Titration)	: 99.50 %

GHS Safety Information

Hazard Statement(s)	: H302-H315-H319-H410
Precautionary Statement(s)	: P273-P305+P351+P338-P501
Signal Word	: Warning
Hazard Pictogram(s)	



Risk And Safety Information

R-Phrase(s)	: 22-36/38-50/53
S-Phrase(s)	: 22-60-61
WGK	: 3
RTECS	: GL8900000
Storage Temperature(°C)	: Store below 30°C

Transport Information

UN No.	: 3288
Class	: 6.1
Packaging Group	: 3
Marine Pollutant	: Yes
ADR/RID	: 3288 6.1/PG 3
IMDG	: 3288 6.1/PG 3
IATA	: 3288 6.1/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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- 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.

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