

Technical Information

L-Cysteine Plant Culture Tested

Product Code: PCT1305

Product Information

Product Code	: PCT1305
Product Name	: L-Cysteine, Plant Culture Tested
Molecular Formula	: C ₃ H ₇ NO ₂ S
Molecular Weight	: 121.16
CAS No.	: 52-90-4

Technical Specification

Appearance	: White 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
Ammonium (NH ₄)	: ≤0.01%
Heavy metals (as Pb)	: ≤0.001%
Specific rotation (α) ²⁰ _D (c = 5, for 1 M HCl)	: +8° to +9°
Foreign amino acid	: ≤0.3%
Minimum assay (Iodometry)	: 99.00 %

Risk And Safety Information

WGK	: --
RTECS	: HA1600000
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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- Do not use the products if it fails to meet specifications for identity and performance parameters.