

Technical Information

L-Cysteine HCl Monohydrate Plant Culture Tested

Product Code: PCT1325

Product Information

Product Code	: PCT1325
Product Name	: L-Cysteine HCl Monohydrate, Plant Culture Tested
Molecular Formula	: $C_3H_7NO_2S.HCl.H_2O$
Molecular Weight	: 175.63
CAS No.	: 7048-04-6

Technical Specification

Appearance	: A white, crystalline powder or colourless crystals.
Solubility	: 10% Solution in water is clear and colourless.
Minimum assay (Iodometric; calc to the dried sub.)	: 98.00%
Appearance of solution	: Passes test.
Identification	: Passes test.
Specific Rotation (α) ²⁰ _D (C=8, in 25%w/v of HCl, calc with reference to the dried subs.)	: + 5.5° to + 7.0°
State of solution (10% solution 430 nm; Transmittance)	: Not less than 95.0%
Residue on ignition (Sulphated)	: ≤ 0.1%
Loss on drying	: 8.0 – 12.0%
Ammonium (NH ₄)	: ≤ 0.02%
Sulphate (SO ₄)	: ≤ 0.03%
Iron (Fe)	: ≤ 0.002%
Heavy metals (Pb)	: ≤ 0.001%
Ninhydrin positive standard	: Passes test.
Plant Culture Tested	: Passes test.

Risk And Safety Information

WGK	: --
RTECS	: --
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



Plant Culture
Tested



Product Specification

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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.
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