Plant Culture Tested

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	:	White to almost white crystals or crystalline powder or colorless 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 $(\alpha)^{20}_D$ (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; Transmitance)	:	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

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.
- Products are not intended for human or animal diagnostic or therapeutic use but for laboratory, research or further manufacturing of diagnostic reagents extra.
- 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.

Replace Date 16-Jan-2026