

Technical Information

L-Cysteine Hydrochloride Monohydrate (From Non-Animal Source)
Meets USP 41-NF 36, EP 9.0, JP 17 And BP 2016 Testing Specifications
Cell Culture Tested

Product Code:TC1058M

Product Information

Product Code	:	TC1058M
Product Name	:	L-Cysteine Hydrochloride Monohydrate (From Non-Animal Source) Meets USP 41-NF 36, EP 9.0, JP 17 and BP 2016 testing specifications ,Cell Culture Tested
Molecular Formula	:	HSCH ₂ CH(NH ₂)COOH.HCl.H ₂ O
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.)	:	98.50%
pH of 1% solution in water	:	1.50 -2.00
Specific Rotation $[\alpha]_D^{20}$ (C=8, in 25%w/v of HCl, calc with reference to the dried subs.)	:	+ 5.5° to + 7.0°
Chloride (Cl)	:	19.89 to 20.29%
Ammonium (NH ₄)	:	<= 0.02%
Sulphate (SO ₄)	:	<= 0.02%
Iron (Fe)	:	<= 0.001%
Heavy metals (Pb)	:	<= 0.001%
Residue on ignition	:	<= 0.1%
Loss on drying	:	8.5 to 12.0%
Other amino acids	:	Conforms
Cell Culture Test	:	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.
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