

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



**Animal Cell
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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