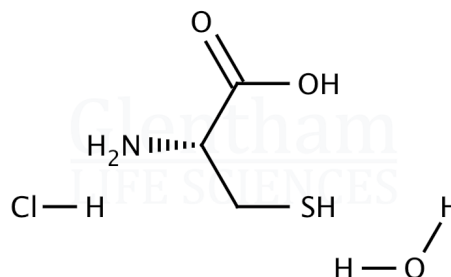


Product Specification

Product Name	L-Cysteine hydrochloride monohydrate, 99%, non-animal origin
Glentham Code	GM0119
CAS Number	7048-04-6
EINECS	200-157-7
MDL-Nummer	MFCD00065606
Zusätzliche CAS	345909-32-2 ($\cdot xH_2O$)

Molecular Weight	175.64
Molecular Formula	$C_3H_7NO_2S \cdot HCl \cdot H_2O$
Storage Temp.	+20°C



Property	Specification
Physical Description	White or colourless crystals
Identification (IR)	To conform to standard
Solubility (2.5% in water)	Clear, colourless solution
Specific Optical Rotation ($[\alpha]_{20/D}$)	5.5 - 7.0 ° (c=8, HCl, dried basis)
pH	1.5 - 2.0
Sulphates	≤ 0.02%
Ammonium	≤ 0.02%
Heavy Metals	≤ 10ppm
Any Individual Impurity	≤ 0.5%
Total Impurities	≤ 2.0%
Residue on Ignition	≤ 0.1%
Loss on Drying	8.0 - 12.0 %
Assay (Titration)	98.5 - 101.0 %
Pharmacopoeia Specification(s)	Ph. Eur., USP

Specification Version	- v1.0
Date Created	- 2021-09-13

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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