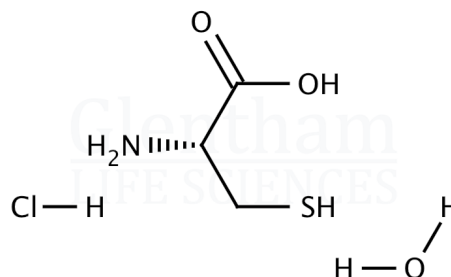


Product Specification

Product Name	L-Cysteine hydrochloride monohydrate
Glentham Code	GM4222
CAS Number	7048-04-6
EINECS	200-157-7
MDL-Nummer	MFCD00065606
Zusätzliche CAS	345909-32-2 ($\cdot xH_2O$)
PubChem SID	310270758
Molecular Weight	175.64
Molecular Formula	$C_3H_7NO_2S \cdot HCl \cdot H_2O$
Storage Temp.	+20°C



Property	Specification
Physical Description	White powder or colourless crystals
Identification (IR)	To conform to standard
Specific Optical Rotation ($[\alpha]_{20/D}$)	+5.5 - +7.0 ° (c=8, 1M HCl)
pH (5% in water)	1.5 - 2.0
Chloride (Cl)	19.89 - 20.29 %
Ammonium (NH ₄)	≤ 0.02%
Sulphate (SO ₄)	≤ 0.02%
Iron (Fe)	≤ 10ppm
Other Amino Acids	Not detectable
Loss on Drying	8.5 - 12.0 %
Residue on Ignition	≤ 0.1%
Lead (Pb)	≤ 3ppm
Arsenic (As)	≤ 1ppm
Mercury (Hg)	≤ 0.1ppm
Cadmium (Cd)	≤ 1ppm
Assay	99.0 - 100.5 %

Specification Version	- v1.1
Date Created	- 2022-05-23

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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