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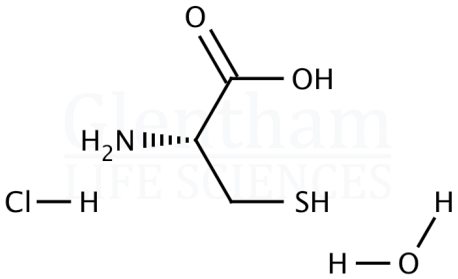
Product Specification

Product Name	L-Cysteine hydrochloride monohydrate, Ph. Eur., USP grade
Glentham Code	GM2919
CAS Number	7048-04-6
EINECS	200-157-7
Numéro MDL	MFCD00065606
CAS supplémentaire	345909-32-2 (·xH2O)
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 almost white crystalline powder, or colourless crystals
Identification	IR
Identification	Reaction of chlorides
Solubility (5% in water)	Clear, colourless solution (≤ BY6)
Specific Optical Rotation	Ph. Eur.: + 5.5 - +7.0 °, USP: + 5.7 - +6.8 °
Any Individual Impurity (TLC)	≤ 0.5%
Total Impurities (TLC)	≤ 2.0%
Sulphates	≤ 300ppm
Ammonium (NH4)	≤ 200ppm
Iron (Fe)	≤ 20ppm
Heavy Metals (as Pb)	≤ 10ppm
Sulphated Ash	≤ 0.1%
Loss on Drying	8.0 - 12.0 %
Assay	98.5 - 101.0 % (dried substance)
Pharmacopoeia Specification(s)	Ph. Eur., USP

Specification Version	-	v1.1
Date Created	-	2023-05-05

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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