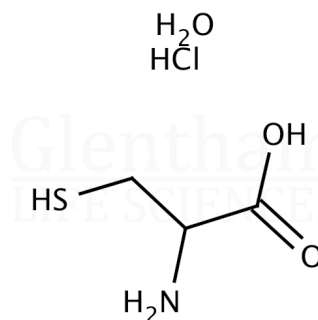


Certificate of Analysis

Product Name	DL-Cysteine hydrochloride monohydrate
Glenthams Code	GE1122
CAS Number	116797-51-4
PubChem SID	310270873
MDL Number	MFCD00151030
Additional CAS	52-89-1
Additional CAS	96998-61-7
Batch Number	439TXO

Molecular Weight	157.61 (anhydrous)
Molecular Formula	$C_3H_7NO_2S \cdot HCl \cdot H_2O$
Storage Temp.	+4°C



Property	Specification	Batch 439TXO
Physical Description	White to off-white crystalline powder	White crystalline powder
Solubility (5% in water)	Clear, colourless solution	Clear, colourless solution
Water	8.0 - 12.0 %	10.6%
Assay	98.0 - 102.0 % (dried basis)	100.6%

Specification Version	v1.0
Manufacture Date	2024-08-13
Re-Test Date	2030-08-06

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

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