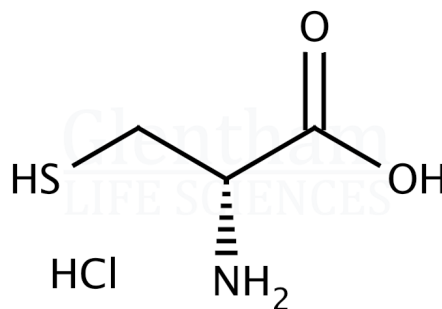


Certificate of Analysis

Product Name	D-Cysteine hydrochloride monohydrate
Glentham Code	GM8208
CAS Number	32443-99-5
EINECS	251-043-9
MDL Number	MFCD00150051
PubChem SID	310270757
Batch Number	002LZS
Molecular Weight	175.63
Molecular Formula	$\text{HSCH}_2\text{CH}(\text{NH}_2)\text{COOH} \cdot \text{HCl} \cdot \text{H}_2\text{O}$
Storage Temp.	+20°C



Property	Specification	Batch 002LZS
Physical Description	White to off-white powder or crystals	White crystals
Identification (IR)	To conform to standard	Conforms
Solubility (5% in water)	Clear, colourless solution	Clear, colourless solution
Specific Optical Rotation ($[\alpha]_{20/D}$)	-4.5 - -7.0 ° (c=5, 1M in HCl)	-5.74°
Assay	≥ 98.0%	99.0%

Specification Version	v1.0
Manufacture Date	2022-12-06
Re-Test Date	2029-11-11

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.

This document was generated electronically and is therefore valid without signature. © Glentham Life Sciences Ltd, 2024