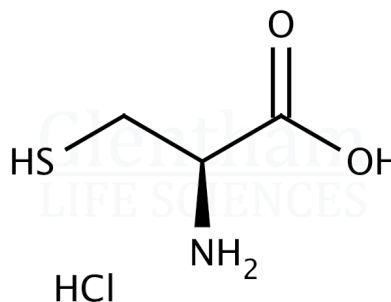


## Product Specification

Product Name	L-Cysteine hydrochloride, anhydrous
Glentham Code	GM1539
CAS Number	52-89-1
EINECS	200-157-7
MDL Number	MFCD00064553
Additional CAS	345909-32-2 ( $\cdot xH_2O$ )
PubChem SID	310270756

Molecular Weight	157.62
Molecular Formula	$C_3H_7NO_2S \cdot HCl$
Storage Temp.	+20°C



Property	Specification
Physical Description	White crystalline powder or crystals
Specific Optical Rotation ( $[\alpha]_{20/D}$ )	+5.6 - +8.9 ° (c=8, 6M HCl)
Residue on Ignition	≤ 0.1%
Loss on Drying	≤ 1.0%
Iron (Fe)	≤ 15ppm
Lead (Pb)	≤ 3ppm
Arsenic (As)	≤ 1ppm
Mercury (Hg)	≤ 0.1ppm
Cadmium (Cd)	≤ 1ppm
Assay	98.0 - 102.0 %

Specification Version	-	v1.0
Date Created	-	2015-04-09

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](http://www.glentham.com) or contact us using the details above for the current version of this document.

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