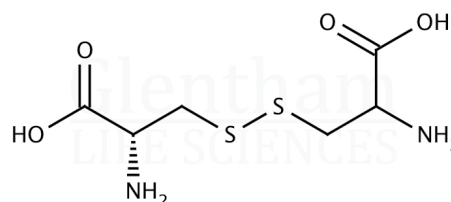


## Certificate of Analysis

Product Name	L-Cystine
Glentham Code	GM4173
CAS Number	56-89-3
EINECS	200-296-3
MDL Number	MFCD00064228
PubChem SID	310270762
Batch Number	021ACA
Molecular Weight	240.30
Molecular Formula	$C_6H_{12}N_2O_4S_2$
Storage Temp.	+20°C



Property	Specification	Batch 021ACA
Physical Description	White crystalline powder	White crystalline powder
Solubility (5% in 1M HCl)	Clear, colourless solution	Conforms
Chloride (Cl)	≤ 0.02%	Conforms
Ammonium (NH <sub>4</sub> )	≤ 0.02%	Conforms
Sulphate (SO <sub>4</sub> )	≤ 0.02%	Conforms
Iron (Fe)	≤ 10ppm	≤ 10ppm
Lead (Pb)	≤ 3ppm	≤ 1ppm
Arsenic (As)	≤ 1ppm	≤ 0.5ppm
Mercury (Hg)	≤ 0.1ppm	Conforms
Cadmium (Cd)	≤ 1ppm	≤ 0.5ppm
Residue on Ignition	≤ 0.1%	Conforms
Other Amino Acids	Not detected	Conforms
Loss on Drying	≤ 0.2%	0.05%
Assay	98.5 - 101.0 %	99.1%

Specification Version	v1.1
Manufacture Date	2022-06-07
Re-Test Date	2032-09-23

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

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