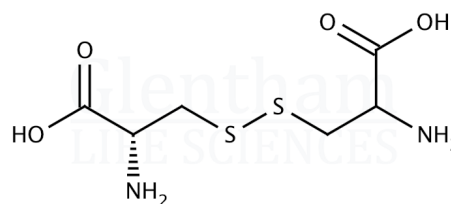


Certificate of Analysis

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 ₄)	≤ 0.02%	Conforms
Sulphate (SO ₄)	≤ 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 or contact us using the details above for the current version of this document.

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