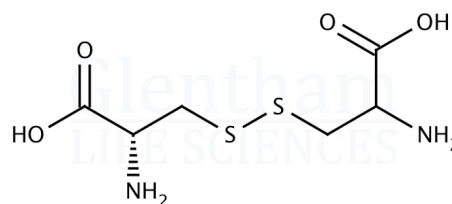


Product Specification

Product Name	L-Cystine, non-animal origin
Glentham Code	GM2911
CAS Number	56-89-3
EINECS	200-296-3
MDL Number	MFCD00064228
Molecular Weight	240.30
Molecular Formula	$C_6H_{12}N_2O_4S_2$
Storage Temp.	+20°C



Property	Specification
Physical Description	White or almost white crystalline powder
Identification	To conform to standard
Solubility (5% in 2M HCl)	Clear, colourless solution
Specific Optical Rotation ($[\alpha]_{20/D}$)	-225.0 - -215 ° (c=2, 1M HCl)
Chloride (Cl)	≤ 0.02%
Ammonium (NH ₄)	≤ 0.02%
Sulphate (SO ₄)	≤ 0.02%
Arsenic (As)	≤ 1ppm
Heavy Metals	≤ 10ppm
Iron (Fe)	≤ 20ppm
Any Individual Impurity	≤ 0.2%
Total Impurities	≤ 2.0%
Residue on Ignition	≤ 0.1%
Loss on Drying	≤ 1.0%
Assay	98.5 - 101.5 % (dried basis)
Origin	non-animal
Pharmacopoeia Specification(s)	USP

Specification Version	-	v1.1
Date Created	-	2023-02-23

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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