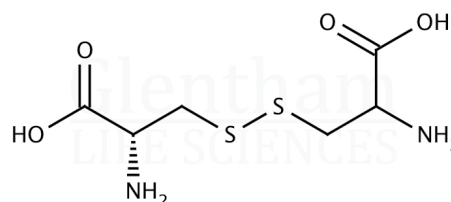


Product Specification

Product Name	L-Cystine, non-animal origin, Ph. Eur. grade
Glentham Code	GM3190
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 pass tests A, B
Appearance of Solution	Clear, colourless solution
Specific Optical Rotation ($[\alpha]_{20/D}$)	-224 - -218 ° (c=2, 1M HCl, dried substance)
Ammonium	≤ 200ppm
Chloride	≤ 200ppm
Sulphate	≤ 300ppm
Residue on Ignition	≤ 0.1%
Arsenic	≤ 1ppm
Lead	≤ 5ppm
Iron	≤ 10ppm
Heavy Metals	≤ 10ppm
Loss on Drying	≤ 0.2%
Ninhydrin-positive substances	≤ 0.2% (for each impurity)
Ninhydrin-positive substances	≤ 0.5% (total)
Assay (Titration)	98.5 - 101.0 % (dried substance)
Pharmacopoeia Specification(s)	Ph. Eur.

Specification Version	- v1.0
Date Created	- 2024-06-19

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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