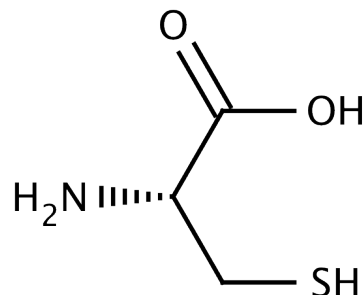


Product Specification

Product Name : L-Cysteine
Glentham Code : GM3760
CAS Number : 52-90-4
EINECS : 200-158-2
MDL Number : MFCD00064306
Additional CAS : 345909-32-2 (\cdot xH₂O)
PubChem SID : 310270753

Molecular Weight : 121.16
Molecular Formula : C₃H₇NO₂S
Storage Temp. : +4°C



Property	Specification
Physical Description	White or almost white crystalline powder, or colourless crystals
Solubility (10% in 2M HCl)	Clear, colourless solution
Specific Optical Rotation ($[\alpha]_{20/D}$)	+8.3 - +9.5 ° (c=8, 1M HCl)
pH (2.5% in water)	4.5 - 5.5
Chloride (Cl)	≤ 0.1%
Sulphate (SO ₄)	≤ 0.03%
Ammonium (NH ₄)	≤ 0.02%
Iron (Fe)	≤ 10ppm
Lead (Pb)	≤ 3ppm
Arsenic (As)	≤ 1ppm
Cadmium (Cd)	≤ 1ppm
Mercury (Hg)	≤ 0.1ppm
Heavy Metals	≤ 10ppm
Residue on Ignition	≤ 0.2%
Loss on Drying	≤ 1.0%
Assay	98.0 - 101.0 % (dried basis)
Origin	Vegetal fermentation

Specification Version : v1.1
Date Created : 2019-01-24

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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