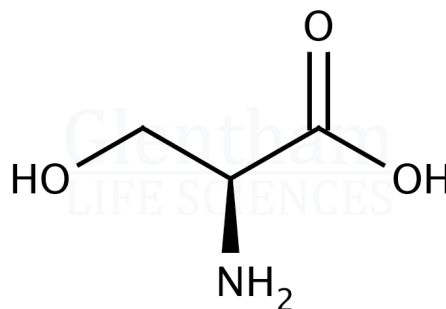


Product Specification

Product Name	L-Serine
Glentham Code	GM1114
CAS Number	56-45-1
EINECS	200-274-3
MDL-Nummer	MFCD00064224
PubChem SID	310279962
Molecular Weight	105.09
Molecular Formula	$C_3H_7NO_3$
Storage Temp.	+20°C



Property	Specification
Physical Description	White crystals or crystalline powder
Identification (IR)	To conform to standard
Solubility (5% in water)	Clear, colourless solution
Specific Optical Rotation ($[\alpha]_{20/D}$)	+14.0 - +15.6 °
Chloride	≤ 0.05%
Sulphate	≤ 0.03%
Iron (Fe)	≤ 30ppm
Heavy Metals (as Pb)	≤ 15ppm
Any Individual Impurity	≤ 0.5%
Total Impurities	≤ 2.0%
Residue on Ignition	≤ 0.1%
Loss on Drying	≤ 0.2%
Assay	98.5 - 101.5 % (dried basis)
Pharmacopoeia Specification(s)	USP

Specification Version	- v1.1
Date Created	- 2022-02-04

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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