

Product Datasheet

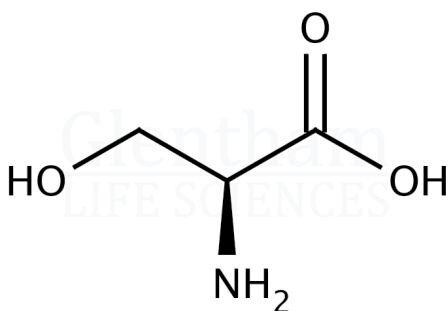
GM1114 - L-Serine

Product Details

Product Name	L-Serine
Glenthams Code	GM1114
CAS Number	56-45-1
EINECS	200-274-3
Numéro MDL	MFCD00064224
PubChem SID	310279962
Related Categories	Amino Acids, Biochemicals, Reagents for Cell Culture, Cosmetic Raw Materials

Structure

Molecular Weight	: 105.09
Molecular Formula	: C ₃ H ₇ NO ₃



Physical Description	: White crystals or crystalline powder
Identification (IR)	: To conform to standard
Solubility (5% in water)	: Clear, colourless solution
Specific Optical Rotation ([α] _{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
Version	: v1.1

About L-Serine

No further details on record.

Storage

Recommended storage temperature: +20°C.

Hazards and Transport

Not classified as hazardous under CLP.
Not classified as dangerous for transport.

Glenthams Product Specification

This document was generated electronically and is therefore valid without signature. © Glenthams Life Sciences Ltd, 2025