

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	00279
Product	L-Serine
Lot Number	001192-151103 L-Ser-OH L- β -Hydroxyalanine
CAS Number	56-45-1
Molecular Formula	C ₃ H ₇ NO ₃
Molecular Weight	105.1
Appearance	White crystals or crystalline powder
Heavy Metals	< 15 ppm
Anion	Chloride (Cl ⁻): < 0.05% Sulfate (SO ₄ ²⁻): < 0.03%
Cation	Iron (Fe): < 30 ppm
Optical Rotation	[α] _D = +14.9°
Infrared Spectrum	Conforms to structure
Loss on Drying	0.01%
Related Substances	Chromatographic Purity: Individual impurity: < 0.5% Total impurities: < 2.0%
Residue On Ignition	0.05%
Assay by titration	98.9% (Anhydrous basis)
Grade	USP
Storage	Store at RT

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Remarks

See material safety data sheet for additional information

For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager