

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	36924
Product	L-Serine, non animal origin
Lot Number	002895-829006
	L-β-Hydroxyalanine
CAS Number	56-45-1
Molecular Formula	C ₃ H ₇ NO ₃
Molecular Weight	105.1

Appearance	White crystalline powder
Heavy Metals	< 10 ppm (as Pb)
Anion	Chloride (Cl) : < 0.020% Sulfate (SO ₄) : < 0.020%
Cation	Ammonium (NH ₄) : 0.00% Iron (Fe) : < 10 ppm Arsenic : < 1 ppm
pH	5.8
Mould and Yeast	Mold : < 10 cfu/g
Optical Rotation	[α] ²⁰ _D = 15.0 ° [α] ²⁵ _D = 14.6 °
Transmission	State of solution : 100%, Clear and colorless solution
Loss on Drying	0.01%
E. Coli	Negative
Endotoxin Test	< 6.0 EU/g
Microbial Count	< 100 cfu/g
Related Substances	Passes test
Residue On Ignition	0.00%
Assay	99.5%
Grade	USP, EP, JP
Storage	Store at RT
Additional Information	Identification : Passes test
Country of Origin	USA

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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