

Chem-Impex International, Inc.

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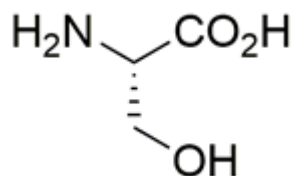
Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191



Product Specifications

Catalogue Number	36924
Product	L-Serine, non animal origin L-β-Hydroxyalanine L-Ser-OH
CAS Number	56-45-1
Molecular Formula	C ₃ H ₇ NO ₃
Molecular Weight	105.1
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Appearance	White crystalline powder
Heavy Metals	≤ 10 ppm (as Pb)
Anion	Chloride (Cl) : ≤ 0.020% Sulfate (SO ₄) : ≤ 0.020%
Cation	Ammonium (NH ₄) : ≤ 0.02% Iron (Fe) : ≤ 10 ppm Arsenic : ≤ 1 ppm
pH	5.2 - 6.2
Mould and Yeast	Mold : ≤ 10 cfu/g
Optical Rotation	[α] ²⁰ _D = 14.4 - 15.5 ° [α] ²⁵ _D = 14.0 - 15.6 °
Transmission	State of solution : ≥ 98%, Clear and colorless solution
Loss on Drying	≤ 0.20%
E. Coli	Negative
Endotoxin Test	≤ 6.0 EU/g
Microbial Count	≤ 100 cfu/g
Related Substances	To pass test
Residue On Ignition	≤ 0.10%
Assay	98.5 - 101.0%
Grade	USP, EP, JP
Storage	Store at RT
Additional Information	Identification : To pass test

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For Laboratory Use Only