

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	00019
Lot Number	001192-002812009-6
Product	L-Alanine L-Ala-OH (S)-2-Aminopropanoic acid
CAS Number	56-41-7
Molecular Formula	C ₃ H ₇ NO ₂
Molecular Weight	89.09

Appearance	White crystals or crystalline powder
Heavy Metals	< 15 ppm (as Pb)
Trace Metal Analysis	Iron (Fe): < 30 ppm
Anion	Chloride (Cl ⁻): < 0.05% Sulfate (SO ₄ ²⁻): < 0.03%
pH	5.9
Optical Rotation	+14.85°
Infrared Spectrum	Conforms to structure
Loss on Drying	0.10%
Organic Volatile Impurities	Meets the requirements
Related Substances	Individual impurity: < 0.5%; Total impurities: < 2.0%
Residue On Ignition	0.05%
Assay by titration	99.0% (anhydrous basis)
Grade	Meets USP Specification
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