

Chem-Impex International, Inc.

Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

Product Specifications

Catalogue Number	26711
Product	L-Alanine, USP, EP Grade 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 crystalline powder
Heavy Metals	< 10 ppm (as Pb)
Trace Metal Analysis	Arsenic (As ₂ O ₃) < 1ppm Iron (Fe) < 10ppm
Anion	Chloride (Cl ⁻) < 0.02% Sulfate (SO ₄ ²⁻) < 0.02%
Cation	Ammonium (NH ₄ ⁺) = < 0.02%
pH	5.7 - 6.7
Optical Rotation	+14.3 to +15.2° @ 20 °C +13.7 to +15.1° @ 25 °C
Loss on Drying	< 0.02 %
Residue On Ignition	< 0.10%
Assay	98.5-101.0%
Storage	Store at RT
Additional Information	Passes test on identification, Foreign amino acids =< 0.2% (TLC 100 mcg), State of solution =>98%

For Laboratory Use Only