



LABPRO CHEM

"Essential Laboratory Chemicals For Scientific Research and Experimentation, Ensuring Accuracy And Precision In Every Process."

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- Mobile No: +91 9167157018 / GSTIN: 27GZCP58548N1ZA / MSME: UDYAM-MH-18-0400921

CERTIFICATE OF ANALYSIS

Product: L-ALANINE – 98% For Biochemistry

Cat No: LA0156

CAS No: 56-41-7

Batch No: 563EF

Date of Manufacture: JUNE 2025

Date of Expiry: DECEMBER 2030

Parameters	Specification	Result
Appearance	White crystalline powder	Complies
Assay (Dry Basis)	$\geq 98.0\%$	98.6%
Melting Point	297–300°C (dec.)	299°C
Solubility (in Water)	Freely soluble	Passes
Loss on Drying	$\leq 0.5\%$	0.21%
Residue on Ignition	$\leq 0.1\%$	0.05%
Heavy Metals (as Pb)	≤ 10 ppm	< 5 ppm
Specific Rotation $[\alpha]_{D20}$	+14.0° to +15.5° (C=2 in H ₂ O)	+14.7°
pH (5% aqueous solution)	6.0 – 7.5	6.9

Approved By

(Quality Control Department)

Date: 23/06/2025

For LABPRO CHEM

AUTH SIGNATORY

Signature: _____

TESTED BY
PREM SINGH

APPROVED BY
SHAKIL AHMED