



## LABPRO CHEM

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

- LABPRO CHEM, Shop No: 198 New Link Road Near Laxmi Ind Estate Andheri West Mumbai 400053 Maharashtra (India)
- Mobile No: +91 9167157018 / GSTIN: 27GZCP58548N1ZA / MSME: UDYAM-MH-18-0400921

### CERTIFICATE OF ANALYSIS

**Product:** D-ALANINE – 99% For Biochemistry

**Cat No:** LA0154

**CAS No:** 338-69-2

**Batch No:** 560VB

**Date of Manufacture:** JUNE 2025

**Date of Expiry:** DECEMBER 2030

Parameters	Specification	Result
Appearance	White crystalline powder	Complies
Assay (Titration, Dry Basis)	≥ 99.0%	99.2%
Specific Rotation $[\alpha]_{D20}$	+13.0° to +15.0° (C=2 in H <sub>2</sub> O)	+14.1°
Melting Point	285°C (dec.)	284–286°C
Solubility (Water)	Soluble	Passes
Loss on Drying	≤ 0.2%	0.11%
Residue on Ignition	≤ 0.1%	0.04%
Heavy Metals (Pb)	≤ 10 ppm	< 5 ppm
Chloride (Cl)	≤ 0.05%	0.01%
Sulfate (SO <sub>4</sub> )	≤ 0.03%	0.02%

**Approved By**

(Quality Control Department)

Date: 23/06/2025

For LABPRO CHEM  
AUTH SIGNATORY

Signature: \_\_\_\_\_

TESTED BY  
PREM SINGH

APPROVED BY  
SHAKIL AHMED