



## LABPRO CHEM

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

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### CERTIFICATE OF ANALYSIS

**Product Name: L-Arginine 98% (For Biochemistry)**

**CAT Number: LA0477**

**CAS Number: 74-79-3**

**Batch Number: 474LA**

**Date of Manufacture: June 2025**

**Date of Expiry: May 2030**

Test Parameter	Specification	Result
Appearance	White crystalline powder	Complies
Purity ( $C_6H_{14}N_4O_2$ )	$\geq 98\%$	98.5%
Specific Rotation $[\alpha]_D^{20}$	$+26.0^\circ$ to $+28.0^\circ$	$+27.1^\circ$
pH (1% solution)	10.5 – 12.0	11.2
Loss on Drying	$\leq 0.5\%$	0.2%
Residue on Ignition	$\leq 0.1\%$	0.04%
Heavy Metals (as Pb)	$\leq 10$ ppm	3 ppm
Iron (Fe)	$\leq 10$ ppm	2 ppm
Chlorides (Cl)	$\leq 0.02\%$	0.008%
Sulphates ( $SO_4$ )	$\leq 0.02\%$	0.009%
Mesh Size	Passes 100 mesh	Complies

**Approved By**

(Quality Control Department)

Date: 23/06/2025

For, LABPRO CHEM  
  
AUTH SIGNATORY

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

TESTED BY  
PREM SINGH

APPROVED BY  
SHAKIL AHMED