

CERTIFICATE OF ANALYSIS

PRODUCT NAME : L-ARGININE FOR BIOCHEMISTRY

CAS No	: 74-79-3	Product code	: 21920
Mol. Formula	: C ₆ H ₁₄ N ₄ O ₂	Batch No	: MCR-33397
Mol. WT	: 174.20	Mfd.	: March 2025
Date of analysis	: 06/03/25	Exp.	: Feb. 2030

S.R	Test	Specification	Observation
1	Description	White to almost white crystals or crystalline powder or granular powder.	White powder.
2	Assay	98.5 – 101.5 %	99.37%
3	Specific rotation [α] ²⁰ _D	+26.3 ⁰ to +27.7 ⁰	+26.4 ⁰
4	Chloride (Cl)	≤ 0.05%	<0.05%
5	Sulphate (SO₄)	≤ 0.03%	<0.03%
6	Iron (Fe)	≤ 0.003%	<0.003%
7	Heavy metals (Pb)	≤ 0.0015%	<0.0015%
8	Residue on ignition	≤ 0.3%	0.08%
9	Organic volatile impurities	Meets the requirements	Passes test

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]



**CHEMIST
(Shruti)**



[QC Incharge]



**HEAD-QUALITY ASSURANCE
(G.G.Salian)**

MOLYCHEM H.Q. : Maker Tower 'E', 41-A2, 4th Floor, Above Maker Arcade, Cuffe Parade, Mumbai 400 005 (INDIA)

Tel. : +91 22 4066 8111 • Email: info@molychem.net • Web: www.molychem.net

Reg. Office : 78/80 Babu Genu Road, Souri Bldg., 2nd Floor, Mumbai - 400 002 (INDIA)

Works : Unit I - Plot No. B/9, Unit II - Plot No. B/11, Badlapur M.I.D.C., Opp. Shobhavat Textile Co., Kulgaon, Badlapur (E), Dist.-Thane-421 503.