

CERTIFICATE OF ANALYSIS

PRODUCT NAME : L-ARGININE FOR BIOCHEMISTRY

CAS No : 74- 79- 3

Mol. Formula : C₆H₁₄N₄O₂

Mol. WT : 174.20

Date of analysis : 22/11/23

Product code : 21920

Batch No : MCR-24215-02

Mfd. : Nov. 2023

Exp. : Oct. 2028

S.R	Test	Specification	Observation
1	Description	White to almost white powder, crystalline powder or crystals	White powder.
2	Assay	98.5 – 101.5 %	98.60%
3	Specific rotation$[\alpha]^{20}_D$	+26.3 ⁰ to +27.7 ⁰	+27.4 ⁰
4	Chloride (Cl)	≤ 0.05%	0.02 %
5	Sulphate (SO₄)	≤ 0.03%	0.012 %
6	Iron (Fe)	≤ 0.003%	0.002%
7	Heavy metals (Pb)	≤ 0.0015%	0.001%
8	Residue on ignition	≤ 0.3%	0.12%
9	Organic volatile impurities	Meets the requirements	Passes

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]

[QC Incharge]

**CHEMIST
(Jyoti)**

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

Note: Computer generated image requires no sign.

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.