

CERTIFICATE OF ANALYSIS

PRODUCT NAME : L-ISOLEUCINE FOR BIOCHEMISTRY

CAS No : 73-32-5
Mol. Formula : $C_6H_{13}NO_2$
Mol. WT : 131.18
Date of analysis : 21/03/25

Product code : 15120
Batch No. : MCR-33520
Mfd. : March 2025
Exp. : Feb. 2030

S.R	Test	Specification	Observation
1	Description	White to almost white crystalline powder or powder.	White powder.
2	Assay	99% w/w min	99.59% w/w
3	Specific rotation $[\alpha]^{20}_D$ C = 2, 5 N HCl	+ 36 to + 37°	+ 36.12°
4	Loss on drying at 110°C	0.5% max	0.21%
5	Chloride (Cl)	0.01% max	< 0.01%
6	Sulphate (SO ₄)	0.01% max	< 0.01%
7	Iron (Fe)	0.001% max	< 0.001%
8	Heavy metals (Pb)	0.001% max	< 0.001%
9	Ammonium (NH ₄)	0.01% max	< 0.01%

REMARK: THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

[Tested By]



**CHEMIST
(Sayli)**



[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.