

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : L-VALINE FOR BIOCHEMISTRY**

CAS No	: 72-18-4	Product code	: 54320
Mol. Formula	: C <sub>5</sub> H <sub>11</sub> NO <sub>2</sub>	Batch No	: MCR-28329-02
Mol. WT	: 117.15	Mfd.	: Nov. 2024
Date of analysis	: 13/11/24	Exp.	: Oct. 2029

S.R	Test	Specification	Observation
1	<b>Description</b>	White powder	White powder
2	<b>Assay</b>	99 % w/w min	99.62%w/w
3	<b>Specific rotation [α] C= 2, 5 N HCl</b>	+ 25.0 to +28.5 <sup>0</sup>	+ 27.47 <sup>0</sup>
4	<b>Heavy metals (as Pb)</b>	0.001% max	< 0.001%
5	<b>Loss on drying at 105°C</b>	0.5% max	0.29%
6	<b>Chloride (Cl)</b>	0.01% max	< 0.01%
7	<b>Sulphate (SO<sub>4</sub>)</b>	0.01% max	< 0.01%
8	<b>Iron (Fe)</b>	0.001% max	< 0.001%

**REMARK:** THE PRODUCT COMPLIES WITH THE ABOVE SPECIFICATIONS

**[Tested By]**



**CHEMIST  
(Durvas)**



**[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](mailto:info@molychem.net) • Web: [www.molychem.net](http://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.