

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : L-PROLINE**

**CAS No : 147-85-3**  
**Mol. Formula : C<sub>5</sub>H<sub>9</sub>NO<sub>2</sub>**  
**Mol. WT : 115.13**  
**Date of analysis : 18/12/23**

**Product code : 17520**  
**Batch No. : MCR-22509-02**  
**Mfd. : Dec. 2023**  
**Exp. : Nov. 2028**

S.R	Test	Specification	Observation
1	<b>Description</b>	White to almost white crystalline powder.	Almost white crystalline powder.
2	<b>Assay (HClO<sub>4</sub> titration)</b>	99% min	99.20%
3	<b>Specific rotation [<math>\alpha</math>]<sup>20</sup><sub>D</sub> (C=2,water)</b>	-86 <sup>0</sup> to -84 <sup>0</sup>	-84.17 <sup>0</sup>
4	<b>Loss on drying at 105<sup>0</sup>C</b>	0.5% max.	0.31%

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

**[Tested By]**

**[QC Incharge]**

**CHEMIST  
(Deepa)**

**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](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.**