



## 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 : 01/11/20**

**Product code : 17520**  
**Batch No : MCR-22293**  
**Mfd. : Nov. 2020**  
**Exp. : Oct. 2025**

| S. R | Test  | Specification                             | Observation                      |
|------|---|---|----------------------------------|
| 1    | Description   | White to almost white crystalline powder. | Almost white crystalline powder. |
| 2    | Assay (HClO <sub>4</sub> titration)                                   | 99% min                                   | 99.22%                           |
| 3    | Specific rotation [ $\alpha$ ] <sup>20</sup> <sub>D</sub> (C=2,water) | -86 <sup>0</sup> to -84 <sup>0</sup>      | -85 <sup>0</sup>                 |
| 4    | Loss on drying at 105 <sup>0</sup> C                                  | 0.5% max.                                 | 0.45%                            |

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

**[Tested By]**

**[QC Incharge]**

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

**Note:** Computer generated image requires no sign.

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