



## **CERTIFICATE OF ANALYSIS**

**PRODUCT NAME: L-GLUTAMIC ACID**

**CAS No** : 56- 86- 0  
**Mol. Formula** : C<sub>5</sub>H<sub>9</sub>NO<sub>4</sub>  
**Mol. WT** : 147.13  
**Date of analysis** : 11/11/20

**Product code** : 14685  
**Batch No** : MCR-22351  
**Mfd.** : Nov. 2020  
**Exp.** : Oct. 2025

| S. R | Test                                           | Specification                                  | Observation      |
|------|------------------------------------------------|------------------------------------------------|------------------|
| 1    | Description                                    | White crystal or powder or crystalline powder. | White powder.    |
| 2    | Assay(acidimetric)                             | 99 % min                                       | 99.99%           |
| 3    | Ammonium (NH <sub>4</sub> )                    | 0.02% max                                      | <0.02%           |
| 4    | Specific rotation [ $\alpha$ ] <sup>20°D</sup> | +30 <sup>0</sup> to +32 <sup>0</sup>           | +31 <sup>0</sup> |

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

**[Tested By]**

**[Q.C Incharge]**

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

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

**MOLYCHEM Office:** 78/80 Babu Genu Road, Souri Bldg., 2<sup>nd</sup> Floor, Mumbai – 400 002 (INDIA)  
**Tel:** +91 22 4066 8111, 2205 7772 . **Fax:** + 91 22 2203 4442. **Email :** [info@molychem.net](mailto:info@molychem.net)  
**Works:** Plot No. B/9, Badlapur M.I.D.C.,OPP.Shobhavat Textile Co.,  
Kulgaon, Badlapur (E), Dist.-Thane-421 503