



## **CERTIFICATE OF ANALYSIS**

Date: 01/11/15

**PRODUCT NAME: L-GLUTAMIC ACID**

CAS No : 56- 86- 0  
Mol. Formula :  $C_5H_9NO_4$   
Mol. WT : 147.13  
Exp. : Oct. 2020

Product code : 14685  
Batch No : MCR-10595  
Mfd. : Nov. 2015

| S. R | Test                                | Specification                        | Observation         |
|------|-------------------------------------|--------------------------------------|---------------------|
| 1    | Assay(acidimetric)                  | 99 % min                             | 99.2%               |
| 2    | Ammonium (NH <sub>4</sub> )         | 0.02% max                            | <0.02%              |
| 3    | Specific rotation $[\alpha]^{20}_D$ | +30 <sup>0</sup> to +32 <sup>0</sup> | +30.99 <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.

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