



## **CERTIFICATE OF ANALYSIS**

Date: 29/11/14

**PRODUCT NAME: L-GLUTAMIC ACID**

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

Product code : 14685  
Batch No : MCR-9005  
Mfd. : Nov. 2014

| S. R | Test                                      | Specification                        | Observation         |
|------|-------------------------------------------|--------------------------------------|---------------------|
| 1    | Assay(acidimetric)                        | 99 % min                             | 99.33 %             |
| 2    | Ammonium (NH <sub>4</sub> )               | 0.02% max                            | <0.02%              |
| 3    | Specific rotation $[\alpha]^{20^\circ}_D$ | +30 <sup>0</sup> to +32 <sup>0</sup> | +31.49 <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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