



## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : L-LYSINE MONOHYDROCHLORIDE**

**CAS No** : 657-27-2  
**Mol. Formula** :  $C_6H_{15}ClN_2O_2$   
**Mol. WT** : 182.65  
**Date of analysis** : 05/08/23

**Product code** : 15460  
**Batch No** : MCR-28957  
**Mfd.** : Aug. 2023  
**Exp.** : July 2028

| S.R | Test                                                  | Specification                                                          | Observation            |
|-----|-------------------------------------------------------|------------------------------------------------------------------------|------------------------|
| 1   | Description                                           | White to almost white powder or crystalline powder or granular powder. | White granular powder. |
| 2   | Assay (ex Cl)                                         | 99% w/w min                                                            | 99.47% w/w             |
| 3   | Specific rotation 20°C (6 % w/v in hydrochloric acid) | +20.4° to +21.6°                                                       | +21.25°                |
| 4   | Loss on drying at 110°C                               | 0.5% max                                                               | 0.32%                  |
| 5   | Sulphated ash                                         | 0.1% max                                                               | 0.06%                  |
| 6   | Iron (Fe)                                             | 0.001% max                                                             | <0.001%                |
| 7   | Lead (Pb)                                             | 0.001% max                                                             | <0.001%                |

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

**[Tested By]**

**[QC Incharge]**

**CHEMIST**  
**(Priti)**

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

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

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