

## CERTIFICATE OF ANALYSIS

**PRODUCT NAME : L - ASCORBIC ACID LR**

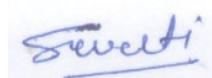
**CAS No : 50-81-7**  
**Mol. Formula : C<sub>6</sub>H<sub>8</sub>O<sub>6</sub>**  
**Mol. WT : 176.13**  
**Date of Analysis : 12/07/24**

**Product code : 12480**  
**Batch No : MCR-31471**  
**Mfd. : July 2024**  
**Exp. : June 2029**

| S. R | Test                                                                           | Specification                                                 | Observation               |
|------|--------------------------------------------------------------------------------|---------------------------------------------------------------|---------------------------|
| 1    | <b>Description</b>                                                             | White to almost white to very pale yellow crystalline powder. | White crystalline powder. |
| 2    | <b>Assay (iodometric)</b>                                                      | 99%w/w min                                                    | 99.80%w/w                 |
| 3    | <b>Melting Point</b>                                                           | 190 -192 <sup>0</sup> C                                       | 191.2 <sup>0</sup> C      |
| 4    | <b>Iron (Fe)</b>                                                               | 0.001% max                                                    | < 0.001%                  |
| 5    | <b>Specific rotation [α]<sup>20</sup><sub>D</sub> (C=10 in H<sub>2</sub>O)</b> | +20.5 to +21.5 <sup>0</sup>                                   | +21.0 <sup>0</sup>        |
| 6    | <b>Heavy metals (as Pb)</b>                                                    | 0.001% max.                                                   | < 0.001%                  |

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

**[Tested By]**



**CHEMIST  
(Swati)**

**[QC Incharge]**



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

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