



## **CERTIFICATE OF ANALYSIS**

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

**CAS No** : 50-81-7  
**Mol. Formula** :  $C_6H_8O_6$   
**Mol. WT** : 176.13  
**Date of Analysis** : 13/02/19

**Product code** : 12480  
**Batch No** : MCR-18011  
**Mfd.** : Feb. 2019  
**Exp.** : Jan. 2024

| S. R | Test                                                              | Specification                                                 | Observation               |
|------|-------------------------------------------------------------------|---------------------------------------------------------------|---------------------------|
| 1    | Description                                                       | White to almost white to very pale yellow crystalline powder. | White crystalline powder. |
| 2    | Assay (iodometric)                                                | 99%w/w min                                                    | 99.72%w/w                 |
| 3    | Melting Point                                                     | 190 -192 <sup>0</sup> C                                       | 191.5 <sup>0</sup> C      |
| 4    | Iron (Fe)                                                         | 0.001% max                                                    | < 0.001%                  |
| 5    | Specific rotation $[\alpha]^{20}_D$<br>(C=10 in H <sub>2</sub> O) | +20.5 to +21.5 <sup>0</sup>                                   | +20.98 <sup>0</sup>       |
| 6    | Heavy metals (as Pb)                                              | 0.001% max.                                                   | < 0.001%                  |

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

**[Tested By]**

**[QC Incharge]**

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

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

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