



## CERTIFICATE OF ANALYSIS

Date : 26/06/18

PRODUCT NAME : L - ASCORBIC ACID LR

CAS No : 50-81-7  
Mol. Formula :  $C_6H_8O_6$   
Mol. WT : 176.13  
Exp. : May 2023

Product code : 12480  
Batch No : MCR- 16379  
Mfd. : June 2018

| 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                                                    | 99.83%w/w                 |
| 3    | Melting Point                                                     | 190 -192 <sup>0</sup> C                                       | 191 <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>                                   | +20.75 <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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