



## **CERTIFICATE OF ANALYSIS**

**PRODUCT NAME : DL-MALIC ACID**

**CAS No : 617-48-1**  
**Mol. Formula : C<sub>4</sub>H<sub>6</sub>O<sub>5</sub>**  
**Mol. WT : 134.09**  
**Date of analysis : 09/03/23**

**Product code : 15550**  
**Batch No : MCR-27830**  
**Mfd. : March 2023**  
**Exp. : Feb. 2028**

| S.R | Test           | Specification                            | Observation              |
|-----|----------------|------------------------------------------|--------------------------|
| 1   | Description    | White to almost white crystalline powder | White crystalline powder |
| 2   | Assay          | 99% min                                  | 99.10%                   |
| 3   | Melting point  | 128 <sup>0</sup> -131 <sup>0</sup> C     | 130.9 <sup>0</sup> C     |
| 4   | Sulphated ash  | 0.1% max                                 | 0.088%                   |
| 5   | Chloride (HCl) | 0.2% max                                 | <0.2%                    |

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

**[Tested By]**

**[QC Incharge]**

**CHEMIST**  
**(Sonu)**

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

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

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