



## **CERTIFICATE OF ANALYSIS**

**PRODUCT NAME : MALTOSE MONOHYDRATE FOR BACTERIOLOGY**

**CAS No** : 6363- 53- 7  
**Mol. Formula** :  $C_{12}H_{22}O_{11} \cdot H_2O$   
**Mol. WT** : 360.32  
**Date of Analysis** : 30/09/21

**Product code** : 15580  
**Batch No** : MCR-18490-01  
**Mfd.** : Sept. 2021  
**Exp.** : Aug. 2026

| S. R | Test                                                                | Specification                        | Observation    |
|------|---------------------------------------------------------------------|--------------------------------------|----------------|
| 1    | <b>Description</b>                                                  | A White powder or crystalline powder | A White powder |
| 2    | <b>Specific Rotation <math>[\alpha]^{20}_D</math> (5% in water)</b> | +127° to +132°                       | +132°          |
| 3    | <b>Moisture (by KF)</b>                                             | 4.5 to 5.5%                          | 5.4%           |
| 4    | <b>Sulphated ash</b>                                                | 0.1% max                             | 0.07%          |
| 5    | <b>Dextrine</b>                                                     | 0.5%max                              | <0.5%          |
| 6    | <b>Arsenic (As)</b>                                                 | 0.0002% max                          | <0.0002%       |
| 7    | <b>Lead (Pb)</b>                                                    | 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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