

## Certificate of Analysis

Date of Testing: 2023-03-27 13:07:13

Date of Next Testing: 2027-03-26 13:07:13

Product Name: **D-(+)-Maltose monohydrate**

CAS Number: 6363-53-7

Specifications & Purity: Analytical Reagent, 97.0%

Lot #: C2323049

SKU #: **M104815**

**Analysis:** **205091**

Storage Temperature: Desiccated

| Parameter                                                                       | Limit Values                    | Result                          |
|---------------------------------------------------------------------------------|---------------------------------|---------------------------------|
| (As)Arsenic                                                                     | 0-0.0001 (%)                    | 0.00 %                          |
| Sulfate Ash                                                                     | 0-0.1 (%)                       | 0.00 %                          |
| Purity(HPLC)                                                                    | 97-100 (%)                      | 98.20000 %                      |
| Glucose (TLC)                                                                   | 0-1 (%)                         | 0.16 %                          |
| Heavy metal (as Pb)                                                             | 0-0.001 (%)                     | 0.00 %                          |
| Water by Karl Fischer                                                           | 4.8-5.8 (%)                     | 4.90 %                          |
| Specific Rotation $[\alpha]_{20/D}(c=10 \text{ in H}_2\text{O})$ (after drying) | 126-132 (°)                     | 129.20 °                        |
| Appearance (M104815)                                                            | white crystal or crystal powder | white crystal or crystal powder |
| Infrared spectrum                                                               | Conforms to Structure           | Conforms to Structure           |



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