

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-05-18 17:51:20  
 Date of Next Testing: 2029-05-17 17:51:20  
 Product Name: **D-(+)-Maltose monohydrate**  
 CAS Number: 6363-53-7  
 Specifications & Purity: BioReagent, ≥99%(HPLC)  
 Lot #: E2611407  
 SKU #: **D755672**  
 Version: **1**  
 Analysis #: **708934**  
 Storage Temperature: Room temperature, Argon charged

| Parameter                                  | Limit Values          | Result                |
|--------------------------------------------|-----------------------|-----------------------|
| Purity(HPLC area)                          | 99-100 (%)            | 99.76000 %            |
| Water by Karl Fischer                      | 4.5-6.5 (%)           | 5.24000 %             |
| Impurity: Glucose                          | 0-0.3 (%)             | 0.00000 %             |
| Impurity(Maltotriose)                      | 0-1 (%)               | 0.10000 %             |
| Residue on ignition(Ash)                   | 0-0.1 (%)             | 0.00000 %             |
| Insoluble matter                           | 0-0.1 (%)             | 0.00000 %             |
| Sulfate(SO4)                               | 0-0.005 (%)           | 0.00000 %             |
| Chloride Content                           | 0-0.003 (%)           | 0.00000 %             |
| Aluminum(Al)                               | 0-0.0005 (%)          | 0.00000 %             |
| Phosphorus (P)                             | 0-0.0005 (%)          | 0.00000 %             |
| Lead(Pb)                                   | 0-0.001 (%)           | 0.00000 %             |
| Iron(Fe)                                   | 0-0.0005 (%)          | 0.00000 %             |
| Copper(Cu)                                 | 0-0.0005 (%)          | 0.00000 %             |
| Zinc(Zn)                                   | 0-0.0005 (%)          | 0.00000 %             |
| Calcium(Ca)                                | 0-0.0005 (%)          | 0.00000 %             |
| Magnesium(Mg)                              | 0-0.0005 (%)          | 0.00000 %             |
| Sodium(Na)                                 | 0-0.005 (%)           | 0.00000 %             |
| Potassium(K)                               | 0-0.005 (%)           | 0.00000 %             |
| Ammonia (NH4)                              | 0-0.05 (%)            | 0.00000 %             |
| Appearance(D755672)                        | White Powder          | White powder          |
| Infrared spectrum                          | Conforms to Structure | Conforms to Structure |
| Solubility in H2O , Colorless , Clear , 1M | pass                  | Pass                  |



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A handwritten signature in black ink that reads "John Su".

John Su  
QA & QC Manager