

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-07-05 14:24:00  
 Date of Next Testing: 2029-07-04 14:24:00  
 Product Name: **Sucrose**  
 CAS Number: 57-50-1  
 Specifications & Purity: Moligand™, Ultra pure, ≥99.9%, RNase, DNase Free  
 Lot #: F2518620  
 SKU #: **S112226**  
 Version: **1**  
 Analysis #: **516880**  
 Storage Temperature: Room temperature

| Parameter                                                                   | Limit Values          | Result                |
|-----------------------------------------------------------------------------|-----------------------|-----------------------|
| Insoluble matter in H <sub>2</sub> O                                        | 0-0.005 (%)           | 0.00200 %             |
| Chloride (Cl <sup>-</sup> )                                                 | 0-0.005 (%)           | 0.00040 %             |
| Loss on drying(105°C)                                                       | 0-0.3 (%)             | 0.02500 %             |
| Ignition Residue (as sulfate)                                               | 0-0.01 (%)            | 0.00950 %             |
| Heavy metal (as Pb)                                                         | 0-0.0005 (%)          | 0.00010 %             |
| Sulfate(SO <sub>4</sub> <sup>2-</sup> )                                     | 0-0.005 (%)           | 0.00150 %             |
| Iron(Fe)                                                                    | 0-0.0005 (%)          | 0.00003 %             |
| Purity(HPLC)                                                                | 99.9-100 (%)          | 99.90000 %            |
| Specific Rotation [α] <sub>D</sub> <sup>20</sup> (c=10 in H <sub>2</sub> O) | 66.3-67 (°)           | 66.40000 °            |
| Titration Acid                                                              | 0-0.0008 (mg/g)       | 0.00076 mg/g          |
| DNases                                                                      | none detected         | none detected         |
| Infrared spectrum                                                           | Conforms to Structure | Conforms to Structure |
| RNases                                                                      | none detected         | none detected         |



John Su  
QA & QC Manager