

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-12-16 18:27:06  
 Date of Next Testing: 2028-12-15 18:27:06  
 Product Name: **Sucrose**  
 CAS Number: 57-50-1  
 Specifications & Purity: Moligand™, Ultra pure, ≥99.9%, RNase, DNase Free  
 Lot #: L2412734  
 SKU #: **S112226**  
 Version: **1**  
 Analysis #: **444292**  
 Storage Temperature: Room temperature

| Parameter                                                        | Limit Values          | Result                |
|------------------------------------------------------------------|-----------------------|-----------------------|
| Chloride (Cl-)                                                   | 0-0.005 (%)           | 0.00230 %             |
| Specific Rotation [α] <sub>20</sub> /D(c=10 in H <sub>2</sub> O) | 66.3-67 (°)           | 66.50000 °            |
| Heavy metal (as Pb)                                              | 0-0.0005 (%)          | 0.00030 %             |
| Sulfate(SO <sub>4</sub> <sup>2-</sup> )                          | 0-0.005 (%)           | 0.00240 %             |
| Iron(Fe)                                                         | 0-0.0005 (%)          | 0.00021 %             |
| Insoluble matter in H <sub>2</sub> O                             | 0-0.005 (%)           | 0.00300 %             |
| Loss on drying(105°C)                                            | 0-0.3 (%)             | 0.01200 %             |
| Purity(HPLC)                                                     | 99.9-100 (%)          | 99.95000 %            |
| Ignition Residue (as sulfate)                                    | 0-0.01 (%)            | 0.01000 %             |
| Titration Acid                                                   | 0-0.0008 (mg/g)       | 0.00080 mg/g          |
| DNases                                                           | none detected         | none detected         |
| RNases                                                           | none detected         | none detected         |
| Infrared spectrum                                                | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager