

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2025-11-22 09:03:59  
 Date of Next Testing: 2029-11-21 09:03:59  
 Product Name: **Sucrose**  
 CAS Number: 57-50-1  
 Specifications & Purity: Moligand™, ACS  
 Lot #: K2519712  
 SKU #: **S112231**  
 Version: **1**  
 Analysis #: **607174**  
 Storage Temperature: Room temperature, Argon charged

| Parameter                                                | Limit Values          | Result                |
|----------------------------------------------------------|-----------------------|-----------------------|
| Insoluble matter in H2O                                  | 0-0.005 (%)           | 0.00000 %             |
| Iron(Fe)                                                 | 0-5 (ppm)             | 0.00000 ppm           |
| Sulfate(SO42-)                                           | 0-0.005 (%)           | 0.00000 %             |
| Heavy metal (as Pb)                                      | 0-5 (ppm)             | 0.00000 ppm           |
| Ignition Residue                                         | 0-0.01 (%)            | 0.00000 %             |
| Titration Acid                                           | 0-0.0008 (mg/g)       | 0.00000 mg/g          |
| Invert sugar                                             | 0-0.05 (%)            | 0.05000 %             |
| Loss on drying                                           | 0-0.03 (%)            | 0.01500 %             |
| Specific rotation [α] <sub>20/D</sub> (0.1g/1ml, in H2O) | 66.3-67 (°)           | 66.35000 °            |
| Appearance (S112231)                                     | White crystals        | White crystals        |
| Infrared spectrum                                        | Conforms to Structure | Conforms to Structure |



John Su  
QA & QC Manager