

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2026-07-13 09:45:29  
 Date of Next Testing: 2028-07-02 09:45:29  
 Product Name: **Sucrose**  
 CAS Number: 57-50-1  
 Specifications & Purity: Moligand™, Suitable for molecular biology, ≥99.5%(HPLC)  
 Lot #: G2603513  
 SKU #: **S112234**  
 Version: **1**  
 Analysis #: **518968**  
 Storage Temperature: Room temperature, Argon charged

| Parameter                                                        | Limit Values             | Result                   |
|------------------------------------------------------------------|--------------------------|--------------------------|
| Ignition Residue (as sulfate)                                    | 0-0.01 (%)               | 0.00000 %                |
| Iron(Fe)                                                         | 0-5 (ppm)                | 0.00000 ppm              |
| Free acid                                                        | 0-0.0008 (mg/g)          | 0.00000 mg/g             |
| Insoluble matter                                                 | 0-0.005 (%)              | 0.00000 %                |
| Invert sugar                                                     | 0-0.1 (%)                | 0.03250 %                |
| Purity(HPLC)                                                     | 99.5-100 (%)             | 100.00000 %              |
| Heavy metal (as Pb)                                              | 0-5 (ppm)                | 0.00000 ppm              |
| Sulfate(SO42-)                                                   | 0-50 (ppm)               | 0.52400 ppm              |
| Melting point                                                    | 160-187 (°C)             | 165.86000 °C             |
| Loss on drying(105°C)                                            | 0-0.03 (%)               | 0.01596 %                |
| Specific Rotation [α] <sub>20</sub> /D(c=10 in H <sub>2</sub> O) | 66.3-67 (°)              | 66.35000 °               |
| Appearance (S112234)                                             | White Powder or Crystals | White Powder or Crystals |
| Infrared spectrum                                                | Conforms to Structure    | Conforms to Structure    |
| DNase, RNase and Protease                                        | None Detected            | none detected            |



QualityAssurance@aladdinsci.com

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

John Su  
QA & QC Manager