

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2024-12-16 16:10:25  
Date of Next Testing: 2028-12-15 16:10:25  
Product Name: **Sucrose**  
CAS Number: 57-50-1  
Specifications & Purity: Moligand™, Ultra pure, ≥99.9%, RNase, DNase Free  
Lot #: L2412693  
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