

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-12-16 13:59:00
Date of Next Testing: 2028-12-15 13:59:00
Product Name: **Sucrose**
CAS Number: 57-50-1
Specifications & Purity: Moligand™, Ultra pure, ≥99.9%, RNase, DNase Free
Lot #: L2412694
SKU #: **S112226**
Version: **1**
Analysis #: **444292**
Storage Temperature: Room temperature

| Parameter | Limit Values | Result |
|--|-----------------------|-----------------------|
| Chloride (Cl-) | 0-0.005 (%) | 0.00230 % |
| Specific Rotation [α] ₂₀ /D(c=10 in H ₂ O) | 66.3-67 (°) | 66.50000 ° |
| Heavy metal (as Pb) | 0-0.0005 (%) | 0.00030 % |
| Sulfate(SO ₄ ²⁻) | 0-0.005 (%) | 0.00240 % |
| Iron(Fe) | 0-0.0005 (%) | 0.00021 % |
| Insoluble matter in H ₂ 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