

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

Certificate of Analysis

Date of Testing: 2024-12-30 17:33:47

Date of Next Testing: 2026-12-20 17:33:47

Product Name: **Sucrose**

CAS Number: 57-50-1

Specifications & Purity: Moligand™, Suitable for molecular biology, ≥99.5%(HPLC)

Lot #: L2426503

SKU #: **S112234**

Version: **1**

Analysis #: **438999**

Storage Temperature: Room temperature, Argon charged

Parameter	Limit Values	Result
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 (%)	0.03600 %
Purity(HPLC)	99.5-100 (%)	100.00000 %
Heavy metal (as Pb)	0-5 (ppm)	2.00000 ppm
Sulfate(SO42-)	0-50 (ppm)	0.15200 ppm
Loss on drying(105°C)	0-0.03 (%)	0.02571 %
Melting point	160-187 (°C)	186.90000 °C
Specific Rotation [α] ₂₀ /D(c=10 in H ₂ O)	66.3-67 (°)	66.32000 °
Ignition Residue (as sulfate)	0-0.01 (%)	0.00000 %
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