

Certificate of Analysis

Date of Testing: 2024-05-21 09:11:58
Date of Next Testing: 2026-05-11 09:11:58
Product Name: **Sucrose**
CAS Number: 57-50-1
Specifications & Purity: for molecular biology, $\geq 99.5\%$ (HPLC)
Lot #: E2414230
SKU #: **S112234**
Version: **1**
Analysis #: **348257**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Ignition Residue (as sulfate)	0-0.01 (%)	0.00 %
Iron(Fe)	0-5 (ppm)	0.00 ppm
Free acid	0-0.0008 (mg/g)	0.00 mg/g
Insoluble matter	0-0.005 (%)	0.00 %
Invert sugar	0-0.1 (%)	0.02 %
Purity(HPLC)	99.5-100 (%)	99.50600 %
Heavy metal (as Pb)	0-5 (ppm)	0.00 ppm
Sulfate(SO ₄ ²⁻)	0-50 (ppm)	13.38 ppm
Loss on drying(105°C)	0-0.03 (%)	0.03 %
Melting point	160-187 (°C)	186.95000 °C
Specific Rotation [α] _D ²⁰ (c=10 in H ₂ O)	66.3-67 (°)	66.32 °
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



ALADDIN SCIENTIFIC CORPORATION

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A handwritten signature in black ink that reads "John Su". The signature is written in a cursive, flowing style.

John Su
QA & QC Manager