

Certificate of Analysis

Date of Testing: 2023-06-12 09:30:58
 Date of Next Testing: 2025-06-01 09:30:58
 Product Name: **Sucrose**
 CAS Number: 57-50-1
 Specifications & Purity: for molecular biology, ≥99.5%(HPLC)
 Lot #: I2110496
 SKU #: **S112234**
Analysis: **239514**
 Storage Temperature: Argon charged

Parameter	Limit Values	Result
Ignition Residue (as sulfate)	0-0.01 (%)	0.01 %
Iron(Fe)	0-5 (ppm)	2.20 ppm
Free acid	0-0.0008 (mg/g)	0.00 mg/g
Insoluble matter	0-0.005 (%)	0.00 %
Invert sugar	0-0.1 (%)	0.05 %
Purity(HPLC)	99.5-100 (%)	99.68000 %
Heavy metal (as Pb)	0-5 (ppm)	2.10 ppm
Sulfate(SO42-)	0-50 (ppm)	10.00 ppm
Melting point	160-187 (°C)	163.40000 °C
Loss on drying(105°C)	0-0.03 (%)	0.01 %
Specific Rotation [α] ₂₀ /D(c=10 in H ₂ O)	66.3-67 (°)	66.50°
Appearance (S112234)	White Powder or Crystals	White Powder or Crystals
DNase, RNase and Protease	None Detected	none detected
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su
 QA & QC Manager