

## Certificate of Analysis

Date of Testing: 2024-06-05 10:17:34  
Date of Next Testing: 2028-06-04 10:17:34  
Product Name: **Sucrose**  
CAS Number: 57-50-1  
Specifications & Purity: Ultra pure purity≥99.9% ; RNase, DNase Free  
Lot #: E2430359  
SKU #: **S112226**  
Version: **1**  
Analysis #: **358782**

Parameter	Limit Values	Result
Insoluble matter in H <sub>2</sub> O	0-0.005 (%)	0.00 %
Chloride (Cl <sup>-</sup> )	0-0.005 (%)	0.00 %
Loss on drying(105°C)	0-0.3 (%)	0.01 %
Heavy metal (as Pb)	0-0.0005 (%)	0.00 %
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	0-0.005 (%)	0.00 %
Iron(Fe)	0-0.0005 (%)	0.00 %
Purity(HPLC)	99.9-100 (%)	99.95000 %
Specific Rotation [α] <sub>20</sub> /D(c=10 in H <sub>2</sub> O)	66.3-67 (°)	66.50°
Ignition Residue (as sulfate)	0-0.01 (%)	0.01 %
Titration Acid	0-0.0008 (mg/g)	0.00 mg/g
DNases	none detected	none detected
Infrared spectrum	Conforms to Structure	Conforms to Structure
RNases	none detected	none detected



John Su  
QA & QC Manager