



CERTIFICATE OF ANALYSIS

Product Name: Sucrose

Catalog Number: S011
Molecular Formula: $C_{12}H_{22}O_{11}$
Formula Weight: 342.3

Lot Number: 05152011
Source: Plant
CAS Number: 57-50-1

<u>Test</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White crystals	PASS
Purity	≥ 99.9 %	99.9 %
Solubility (10%, Water)	Clear, colorless solution	PASS
Insoluble Matter	≤ 0.005 %	0.001 %
Specific Rotation	+66.3° to +66.8°	+66.6
Invert Sugar	≤ 0.1 %	< 0.01 %
Chloride	≤ 0.005 %	< 0.005 %
Sulfate	≤ 0.005 %	< 0.005 %
Heavy Metals (as Pb)	≤ 5 ppm	< 5 ppm
Iron (Fe)	≤ 5 ppm	< 1 ppm
RNase and DNase	None	PASS
Identification (IR)	Passes Test	PASS
Glucose	≤ 0.1 %	< 0.1 %
Loss on Drying	≤ 0.03 %	0.01 %
Protease	None	PASS

Additional Information

Store at 15 to 30°C

Retest Date: 31 July 2019

This product meets or exceeds the quality standards established by Caisson Laboratories, Inc.

This product is intended for laboratory use only.

Becky Kowallis 5/21/2015
Quality Control