



CERTIFICATE OF ANALYSIS

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1. Identification

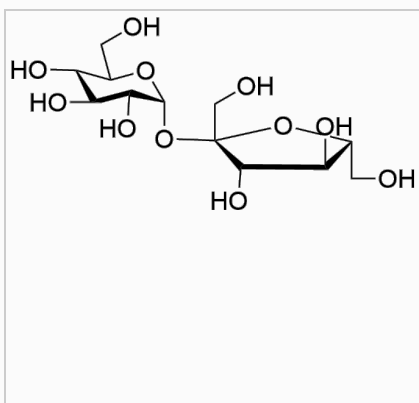
Catalogue Number: S697000

CAS Number: 57-50-1

Product: Sucrose

Synonym: β -D-Fructofuranosyl α -D-Glucopyranoside; (+)-Sucrose; Amerfond; Beet Sugar; Cane Sugar; Carrare C 10; Compressuc; Confectioner's Sugar; D-(+)-Saccharose; D-(+)-Sucrose; D-Sucrose; Frost Sugar; GNE 410; Granulated Sugar; Khandsari; Manalox AS; Microse; NSC 406942; Rock Candy; Saccharose; Saccharum; Sucralox; Sucrose NF; Sugar; White Sugar; α -D-Glucosyl- β -D-fructofuranoside;

Structure:



Molecular Formula:

$C_{12}H_{22}O_{11}$

Molecular weight:

342.3

Source of Product:

N/A

Solubility:

Aqueous Acid (Sparingly),
Methanol (Slightly, Heated,
Sonicated), Water (Slightl

Lot Number: 1-RTU-36-1

Purity: 98%

Shipping Condition: This Product Is Stable To Be
Shipped At Room Temperature

Storage Condition: 4°C

2. Warning

Warning 1: Hygroscopic

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Off-White Solid	Off-White Solid
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	+64.6° (c = 1.1, Water; 5.5 Hours)

Additional Information:

TLC Conditions: C18; Isopropanol = 100%; Visualized with AMCS and KMnO₄; Single Spot, R_f = 0.35.

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Neha Khanna	Toni Rantanen	My Nguyen	12/16/2019	12/14/2026
				