

1. Identification

Catalogue Number

S697000

Lot Number

2-ADI-100-1

Product Name

Sucrose

Synonyms

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-

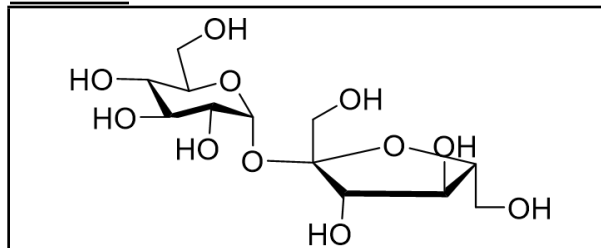
CAS Number

57-50-1

Solubility

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

Structure



Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₁₂H₂₂O₁₁

Source of Product

N/A

Long Term Storage Conditions

4°C, Hygroscopic

Molecular Weight

342.3

Purity

>95%

2. Warnings

Hygroscopic

3. Analytical Information

| Tests | Specifications | Results |
|--------------------|--------------------------|--------------------------|
| Appearance | White to Off-White Solid | White to Off-White Solid |
| NMR | Conforms to Structure | Conforms |
| Elemental Analysis | Conforms | %C: 41.76, %H: 6.41 |
| HPLC Purity | >95% | 96.68% (ELSD) |
| MS | Conforms to Structure | Conforms |
| Specific Rotation | Report Result | +66.0° (c = 0.5, Water) |

Additional Information

N/A

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 |
|----------------------------|----------------------------|-----------------------------|-----------|-------------|
| Evan Burns | | | 7/7/2022 | 7/5/2026 |
| Evan Burns | Toni Rantanen | Christina Gouliaras | | |
| Product Quality Specialist | Manager, Quality Assurance | Quality Assurance Associate | | |