



1. Identification

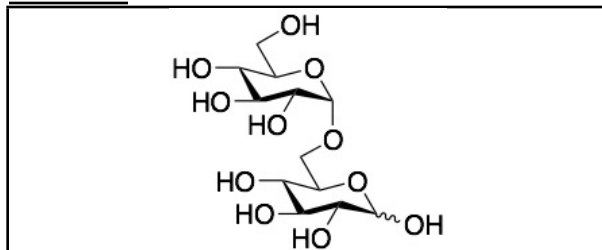
Catalogue Number

I821250

Lot Number

712056134-2-1

Structure



Product Name

Isomaltose

Synonyms

6-O-?-D-Glucopyranosyl-D-glucose; D-Isomaltose;

CAS Number

499-40-1

Solubility

Methanol (Soluble), Water
(Sparingly)

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

99%

2. Warnings

Very hygroscopic

3. Analytical Information

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	White to Off-White Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 40.70, %H: 6.75
HPLC Purity	Report Result	99.24% (ELSD)
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	+99.7° (c = 0.3, Water, 4 Hours)

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 ± 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

<u>Reviewed by</u>	<u>Reviewed by</u>	<u>C of A Approved by</u>	<u>Test Date</u>	<u>Retest Date</u>
			8/8/2024	8/6/2028
Swathi Reddy	Toni Rantanen	Chanell Chu		
Product Quality Specialist	Manager, Quality Assurance	Quality Assurance Associate		