



CERTIFICATE OF ANALYSIS

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1. Identification

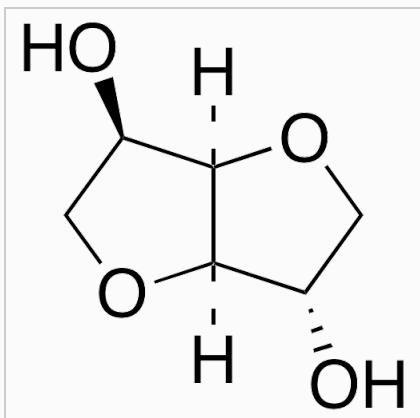
Catalogue Number: I901680

CAS Number: 652-67-5

Product: Isosorbide

Synonym: 1,4:3,6-Dianhydro-D-glucitol; 1,4:3,6-Dianhydro-sorbitol; (+)-D-Isosorbide; Devicoran; Hydronol; Ismotic; Isobide; NSC 40725;

Structure:



Molecular Formula:

C₆H₁₀O₄

Molecular weight:

146.14

Source of Product:

N/A

Solubility:

DMSO (Slightly), Methanol (Slightly), Water (Slightly)

Lot Number: 8-ABY-114-1

Purity: 98%

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

Storage Condition: 4°C

2. Warning

Warning 1: Not Determined

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Yellow Low-Melting Solid	Yellow Low-Melting Solid
Specific Rotation	Report Result	+46.7° (c = 0.5, Water)
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 49.44, %H: 6.73
MS	Conforms to Structure	Conforms
GC	>95%	98.72%

Additional Information:

TLC Conditions: SiO₂; Dichloromethane : Methanol = 8 : 2; Visualized with AMCS and KMnO₄; R_f = 0.55. Elemental Analysis: (Theoretical) %C: 49.31, %H: 6.90

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

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Eric Beaton	Toni Rantanen	My Nguyen	3/18/2020	3/16/2030

