



CERTIFICATE OF ANALYSIS

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1. Identification

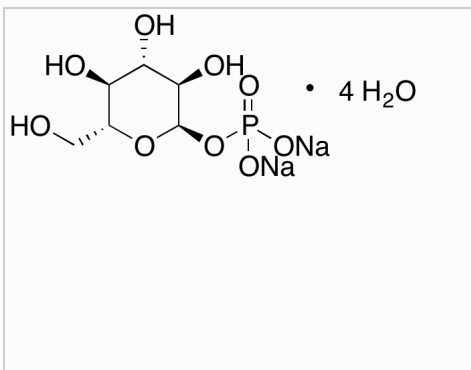
Catalogue Number: A576070

CAS Number: 150399-99-8

Product: α-D-Glucose-1-phosphate Disodium Salt Tetrahydrate

Synonym:

Structure:



Molecular Formula:

$C_6H_{11}Na_2O_9P \cdot 4H_2O$

Molecular weight:

304.10 + 4(18.02)

Source of Product:

N/A

Solubility:

Aqueous Acid (Slightly),
Water (Slightly)

Lot Number: 18-SBL-50-1

Purity: 98%

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

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Elemental Analysis	Conforms	%C: 19.60, %H: 4.91
Appearance	White to Off-White Solid	White to Off-White Solid
NMR	Conforms to Structure	Conforms
HPLC Purity	Report Result	100.00% (ELSD)
P NMR	Conforms to Structure	Conforms
Specific Rotation	Report Result	+77.6° (c = 0.5, Water)
Sodium Content	Report Result	12.54% by Ion Chromatography
MS	Conforms to Structure	Conforms

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

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Evan Burns	Toni Rantanen	Chanell Chu	8/17/2021	8/15/2025
				