



1. Identification

Catalogue Number

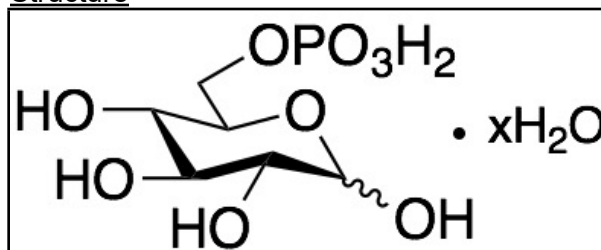
G595338

Lot Number

1-SAM-32-1

Product NameD-Glucose 6-Phosphate Solution (1M in H₂O)Synonyms

D-Glucose 6-Phosphate; Glucose 6-Phosphate; Robison Ester

StructureCAS Number

56-73-5

SolubilityMethanol (Slightly), Water
(Sparingly)Shipping ConditionThis Product Is Stable To Be Shipped At Room
TemperatureMolecular Formula $\text{C}_6\text{H}_{13}\text{O}_9\text{P}$ Source of Product

N/A

Long Term Storage Conditions

4°C

Molecular Weight

260.14

Purity

>99%

2. Warnings

Not Determined

3. Analytical Information

<u>Tests</u>	<u>Specifications</u>	<u>Results</u>
Appearance	Colourless Solution	Clear Colourless Solution
NMR	Conforms to Structure	Conforms
P NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 7.50, %H: 9.75
HPLC Purity	Report Result	99.48% (ELSD)
MS	Conforms to Structure	Conforms
Water Content	Report Result	70.5% by Karl Fischer

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

<u>Reviewed by</u>	<u>Reviewed by</u>	<u>C of A Approved by</u>	<u>Test Date</u>	<u>Retest Date</u>
 Jingning Zhou Product Quality Specialist	 Toni Rantanen Manager, Quality Assurance	 Christina Gouliaras Quality Assurance Associate	7/17/2024	7/15/2028