



CERTIFICATE OF ANALYSIS

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1. Identification

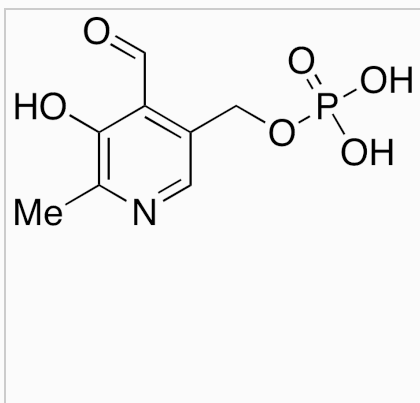
Catalogue Number: P991715

CAS Number: 54-47-7

Product: Pyridoxal 5'-Phosphate

Synonym: 3-Hydroxy-2-methyl-5-[(phosphonooxy)methyl]-4-pyridinecarboxaldehyde; Pyridoxal Phosphate; Pyridoxal 5-(Dihydrogen Phosphate); 2-Methyl-3-hydroxy-4-formyl-5-

Structure:



Molecular Formula:

C₈H₁₀NO₆P

Molecular weight:

247.14

Source of Product:

N/A

Solubility:

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

Lot Number: 22-XJZ-168-1

Purity: 95%

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:
Appearance	White to Pale Yellow Solid	Off-White to Pale Yellow Solid
Elemental Analysis	Conforms	%C: 35.25, %H: 4.48, %N: 5.11
NMR	Conforms to Structure	Conforms
P NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Water Content	Report Result	~7.0% based on Elemental Analysis
HPLC Purity	>95%	99.22% (390 nm)

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
Nicole Yip	Toni Rantanen	My Nguyen	3/9/2021	3/7/2028