



## CERTIFICATE OF ANALYSIS

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### 1. Identification

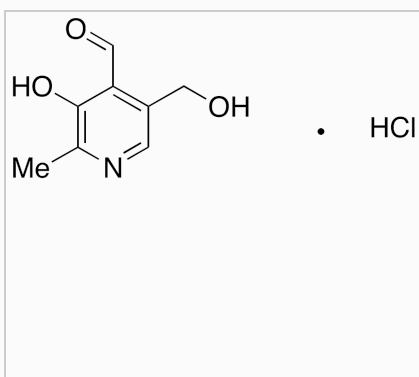
**Catalogue Number:** P991720

**CAS Number:** 65-22-5

**Product:** Pyridoxal Hydrochloride

**Synonym:** 3-Hydroxy-5-(hydroxymethyl)-2-methyl-4-pyridinecarboxaldehyde Hydrochloride; 2-Methyl-3-hydroxy-4-formyl-5-hydroxymethylpyridine Hydrochloride; 3-Hydroxy-5-(hydroxymethyl)-2-methyl-4-pyridinecarboxaldehyde Hydrochloride; 3-Hydroxy-5-hydroxymethyl-2-methylisonicotinaldehyde Hydrochloride;

**Structure:**



**Molecular Formula:**

$C_8H_{10}ClNO_3$

**Molecular weight:**

203.62

**Source of Product:**

N/A

**Solubility:**

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

**Lot Number:** 22-GHZ-82-1

**Purity:** 98%

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

**Storage Condition:** 20°C

### 2. Warning

**Warning 1:** Not Determined

**Warning 2:**

**Warning 3:**

### 3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Pale Beige to Pale Brown Solid	Pale Beige Solid
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 47.05, %H: 4.89, %N: 6.84
MS	Conforms	Conforms
HPLC Purity		98.33%, 205.0nm

**Additional Information:**

TLC Conditions: SiO<sub>2</sub>; Dichloromethane : Methanol : Ammonium Hydroxide = 8 : 2 : 0.1; Visualized with UV and KMnO<sub>4</sub>; Single Spot, R<sub>f</sub> = 0.60. Elemental Analysis: (Theoretical) %C: 47.19, %H: 4.95, %N: 6.88

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
Neha Khanna	Eric Beaton	My Nguyen	9/7/2019	9/5/2026
