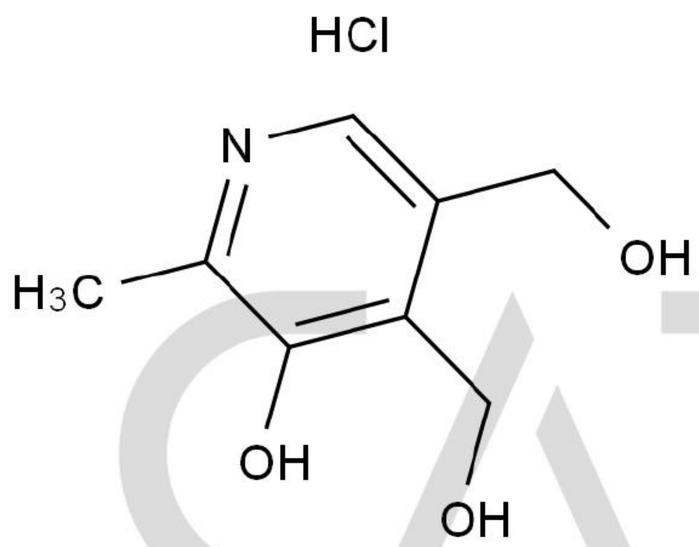
Certificate of Analysis

Reference Material & Standard

Product Name:	Pyridoxin Hydrochloride	**Catalogue Number:**	CCFD200228
Synonyms:	N/A	**Lot Number:**	1108-RH-0023
CAS Number:	58-56-0	**Expiry Date:**	Nov 11, 2030
Molecular Formula:	$C_8H_{11}NO_3$ HCl	**Storage:**	Room Temp Protected from light and Sealed
Molecular Weight:	169.18 36.46	**Shipping Condition:**	Shipping at Room Temperature
Solubility:	Water		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	100.000%
Residue on Ignition	TGA	0.4908%
Loss on Drying	TGA	0.0514%
Assay	qNMR	99.6%
Assay (Assigned Value)	Mass Balance	99.5%
Uncertainty		±0.1%

CATO Research Chemicals Inc.

Comment:

1. The calculation of the mass balance method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Residue on Ignition-Loss on Drying) * Purity HPLC (%) /100%*
Residue on Ignition and Loss on Drying are considered as absolute effect, HPLC purity is considered as relative effect.
2. The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by: Alice Date: Nov 12, 2026

Reviewed by: Lisa Date: Nov 12, 2026

Approved by General Manager: David Date: Nov 12, 2026

CATO Research Chemicals Inc.