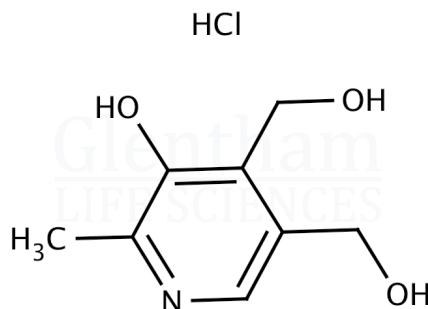


Certificate of Analysis

Product Name	Pyridoxine hydrochloride, EP, USP grade
Glentham Code	GE7948
CAS Number	58-56-0
EINECS	200-386-2
MDL Number	MFCD00012807
Additional CAS	65-23-6 (free base)
PubChem SID	310279451
Batch Number	902TWD
Molecular Weight	205.64
Molecular Formula	$C_8H_{11}NO_3 \cdot HCl$
Storage Temp.	+20°C



Property	Specification	Batch 902TWD
Physical Description	White to almost white crystalline powder	Conforms
Identification	According to EP, USP	Conforms
Solubility (5% in water)	Clear, colourless solution	Clear, colourless solution
pH (5% in water)	2.4 - 3.0	2.7
Loss on Drying	≤ 0.5%	0.3%
Residue on Ignition	≤ 0.1%	0.03%
Heavy Metals	≤ 20ppm	Conforms
Lead (Pb)	≤ 2ppm	≤ 2ppm
Mercury (Hg)	≤ 1ppm	≤ 0.1ppm
Cadmium (Cd)	≤ 1ppm	≤ 1ppm
Arsenic (As)	≤ 2ppm	≤ 1ppm
Related Substances	5-(hydroxymethyl)-2,4-dimethylpyridin- 3-ol: ≤ 0.07% 0.15%	
	Unspecified Impurity: ≤ 0.10%	0.02%
	Total: ≤ 0.2%	0.1%
Melting Point	≥ 200.0°C (decomposition)	204.0°C
Chloride (Cl)	16.9 - 17.6 %	17.4%
Assay (HPLC)	98.0 - 102.0 % (dried basis)	99.1%
Assay (non-aqueous titration)	99.0 - 101.0 % (dried basis)	99.4%
Pharmacopoeia Specification(s)	EP, USP	Conforms

Specification Version	v1.2
Manufacture Date	2023-04-02
Re-Test Date	2032-03-16

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

This document was generated electronically and is therefore valid without signature. © Glentham Life Sciences Ltd, 2024