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## 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 644ZLE** Molecular Weight 205.64 Molecular Formula  $C_8H_{11}NO_3 \cdot HCI$ Storage Temp.

HO OH

OH

HCI

Property	Specification	Batch 644ZLE
Physical Description	White to almost white crystalline powder	White crystalline powder
Identification	Accoriding to EP, USP	Conforms
Solubility (5% in water)	Clear, colourless solution	Conforms
pH (5% in water)	2.4 - 3.0	2.7
Loss on Drying	≤ 0.5%	0.1%
Residue on Ignition	≤ 0.1%	Conforms
Heavy Metals	≤ 20ppm	≤ 10ppm
Lead (Pb)	≤ 2ppm	Conforms
Mercury (Hg)	≤ 1ppm	Conforms
Cadmium (Cd)	≤ 1ppm	Conforms
Arsenic (As)	≤ 2ppm	Conforms
Related Substances	5-(hydroxymethyl)-2,4-dimethylpyridin- 3-ol: $\leq 0.0\%$ 0.15%	
	Unspecified Impurity: ≤ 0.10%	Conforms
	Total: ≤ 0.2%	≤ 0.1
Melting Point	≥ 200.0°C (decomposition)	203.8°C
Chloride (CI)	16.9 - 17.6 %	17.2%
Assay (HPLC)	98.0 - 102.0 % (dried basis)	99.9%
Assay (non-aqueous titration)	99.0 - 101.0 % (dried basis)	99.6%
Pharmacopoeia Specification(s)	EP, USP	Conforms

Specification Version v1.2

Manufacture Date 2024-09-11

Re-Test Date 2034-01-02

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.

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