

Vitamin B6 (Pyridoxine HCL)

Water-soluble vitamin

Product Description

Pyridoxine Hydrochloride (Vitamin B6) is used in multivitamin formulations, B-complex supplements and pharmaceutical preparations. Available to BP/USP standards.

Certificate of Analysis

HSN Code: 2936.22

CAS Number: 58-56-0

Classification: Pharmaceutical API / Nutraceutical

Parameter	Specification	Test Method
Appearance	White to off-white crystalline powder	Visual
Assay	99.0–101.0%	HPLC
Identification	Conforms to reference standard	IR
Melting Point	203–207°C (decomp.)	USP <741>
pH (2% aqueous)	2.4–3.0	USP <791>
Loss on Drying	"d 0 . 5 %	USP <731>
Heavy Metals	"d 2 0 p p m	USP <231>
Residue on Ignition	"d 0 . 1 %	USP <281>

Physical Properties

Appearance: White to off-white crystalline powder

Molecular Formula: $C_5H_7NO \cdot HCl$

Molecular Weight: 205.64 g/mol

Solubility: Freely soluble in water; slightly soluble in ethanol

Melting Point: 203–207°C (decomp.)

Packing: 25 kg HDPE drums with inner polyethylene liner; 1 kg, 5 kg aluminium foil pouches

Storage: Store in a cool, dry, well-ventilated area away from light and moisture. Below 25°C.

Safety & Handling

PPE: Gloves, safety goggles, dust mask, lab coat

Hazards:

- Acidic (HCl salt) — irritating to eyes
- Avoid dust inhalation