

Pyridoxal-5-Phosphate Monohydrate Powder

Product Characteristics

Appearance	Pale yellow-white to light yellow crystalline powder
Country of origin	China
Manufacturer	Shanghai Jinli Pharmaceutical Co, Ltd

Profile	Method	Specification
Identification	HPLC	Complies with standard
Identification	IR	Complies with standard
Solubility	CP	Slightly soluble in water. Practically insoluble in anhydrous ethanol. Soluble in dilute hydrochloric acid & sodium hydroxide TS
Melting point	CP	140.0 – 145.0°C
Moisture	KF	≤ 10%
Loss on drying	USP	≤ 1.0%
pH		2.6 - 3.0
Bulk density	CP	0.40 – 0.60 g/ml
Tapped density	CP	Report only
Particle size	CP	100% through 30 mesh
Free phosphoric acid		≤ 0.5%
Heavy Metals	USP	≤ 10 ppm
Arsenic	AA	≤ 0.5 ppm
Cadmium	AA	≤ 0.5 ppm
Mercury	AA	≤ 0.1 ppm
Lead	AA	≤ 0.5 ppm
Residue solvents	USP	
Tolulene		≤ 100 ppm
Ethanol		≤ 5000 ppm
Purity	HPLC	≥ 99.0%
Assay (dry basis)	HPLC	98.5 – 101.0%
Total aerobic plate count		≤ 1000 CFU/g
Yeast and mold		≤ 100 CFU/g
Salmonella		Negative
E. Coli		Negative

S. aureus	Negative
P. Aeruginosa	Negative
Bile-tolerant gram-negative bacteria	Negative

Storage

Store in tight containers, protected from light, moisture and heat.

Revision: 1/20/26