



Certificate of analysis

Pyridoxal-5-phosphate

CAS No.	41468-25-1	Code	BIOJPPM001
Batch No	BD-230701H	Manufacture Date	Jun.16,2023
Retest Date	Jun.15,2026	Quantity	12kg

Testing Items	Specifications	Results
Appearance	White to off-white with slight yellow crystalline powder	Complies
Identification	IR The IR spectrum of the sample corresponds to that of the Reference standard	Complies
	HPLC The retention time of the major peak in the chromatogram of the assay preparation corresponds to that in the chromatogram of standard preparation, as obtained in the assay	Complies
Solubility	Very slight soluble in water; soluble in alkali-OH solution; almost insoluble in ethanol, acetone, ether, chloroform	Complies
Melting point	140.0°C~145.0°C	142.0°C
Water content	≤10.0%	8.0%
PH	2.6~3.0	2.9
Particle size	90% through 30 mesh	Complies
Bulk density	-----	0.43g/ml
Tapped density	-----	0.63g/ml
Heavy metal	≤10ppm	<10ppm
Loss on drying	≤1.0%	0.45%
Pyridoxine Hcl	≤0.05%	0.013%
Elemental Impurities	Arsenic ≤1.5ppm	<0.05ppm
	Lead ≤0.5ppm	<0.05ppm
	Cadmium ≤0.5ppm	<0.005ppm
	Mercury ≤0.1ppm	<0.003ppm
Residual solvents	Methylbenzene ≤890ppm	29ppm
	Ethanol ≤5000ppm	20ppm
Microbiological Tests	Total Plate Count ≤1000cfu/g	<10cfu/g
	Yeast and Mold ≤100cfu/g	<10cfu/g
	Salmonella Spp: Negative	N/D
	E. Coli: Negative	N/D
	Staphylococcus Aureus: Negative	N/D
	Coliforms: Negative	N/D
Assay	98.5%~101.0%(dried substance)	99.8%
Conclusion	This product conforms to In-house standard	

***Storage condition: Store below 25°C, Protect from moisture and light.**

