

Certificate of Analysis

Pyridoxal-5-phosphate

CAS No.	41468-25-1	Code	BIOJPPM001
Batch No	B001-250301H	Manufacture Date	Mar.05, 2025
Retest Date	Mar.04, 2028	Quantity	12kgs

Testing Items		Specifications	Results
Appearance		White to slight yellow crystalline powder	Slight yellow powder
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		It should be easily soluble in liquid alkali; slightly soluble in water; almost insoluble in ethanol, acetone, ether and chloromethane	Complies
Melting point		140.0°C~145.0°C	142.0°C~144.5°C
Water content		≤10.0%	8.3%
PH		2.6~3.0	2.9
Particle size		90% through 30 mesh	Complies
Bulk density		-----	0.31g/ml
Tapped density		-----	0.72g/ml
Heavy metal		≤10ppm	<10ppm
Loss on drying		≤1.0%	0.43%
Related substance		Maximum unknown singleton≤0.50% Pyridoxine hcl≤0.05%	0.24% Not detected
Elemental Impurities	Arsenic≤1.5ppm		Complies
	Lead≤0.5ppm		Complies
	Cadmium≤0.5ppm		Complies
	Mercury≤0.1ppm		Complies
Residual solvents	Methylbenzene≤890ppm		10ppm
	Ethanol≤5000ppm		33ppm
	n-Butyl alcohol≤5000ppm		Not detected

Microbiological Tests	Total Plate Count $\leq$ 1000cfu/g	Complies
	Yeast and Mold $\leq$ 100cfu/g	Complies
	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)	100.0%
Conclusion	This product conforms to In-house standard	

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