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Certificate of analysis

Pyridoxal-5-phosphate

CAS No.	41468-25-1	Code	BIOJPPM001
Batch No	BD-220603H	Manufacture Date	Jun.10,2022
Retest Date	Jun.09,2025	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%	7.9%
PH		2.6~3.0	2.8
Particle size		90% through 30 mesh	Complies
Bulk density		-----	0.37g/ml
Tapped density		-----	0.69g/ml
Heavy metal		≤10ppm	<10ppm
Loss on drying		≤1.0%	0.36%
Pyridoxine Hcl		≤0.50%	N/D
Elemental Impurities	Arsenic≤1.5ppm		<0.040ppm
	Lead≤0.5ppm		<0.1ppm
	Cadmium≤0.5ppm		<0.01ppm
	Mercury≤0.1ppm		<0.010ppm
Residual solvents	Methylbenzene≤890ppm		N/D
	Ethanol≤5000ppm		41ppm
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)	99.2%
Conclusion		This product conforms to In-house standard	

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



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