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Certificate of Analysis

Product Information			
Product Name	Vitamin B6 (Pyridoxal-5-phosphate)	Report Number	VBP20220647
Batch No.	VBP220622	Manufacture Date	2022/06/22
Batch Quantity	300Kg	Expiry Date	2024/06/21
Tests	Limits	Test results	Test Methods
Description	Slight Yellow or Off-white Powder	Conforms	Visual
Identification	A: The IR spectrum of the sample corresponds to that of the Reference standard.	Conforms	IR
	B: 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	Conforms	HPLC
Assay (Dried Substance)	98.5% ~ 101.0%	99.60%	HPLC
Solubility	Very Slight soluble in water; soluble in alkali-OH Soln; Almost insoluble in ethanol、acetone、Ether、Chloroform.	Conforms	Visual
Melting Point	140.0°C~145.0°C	Conforms	Ch. P Appendix VIC
Water Content	< 10.0%	7.70%	Ch. P Appendix VIII M
PH	2.6 ~ 3.0	2.7	Ch. P Appendix VIH
Particle Size	>90% through 30 mesh	Conforms	Ch. P Appendix IX E
Bulk Density	—	0.3 lg/ml	USP<616>
Tapped Density	—	0.70g/ml	USP<616>
Heavy Metals	< 10 ppm	Conforms	Ch. P Appendix VIII H
Residual Solvents	Methylbenzene < 890 ppm	N/D	GC
	Ethanol < 5000 ppm	39ppm	GC
Lead (Pb)	<0.5mg/kg	Conforms	ICP-MS
Arsenic (As)	<0.5mg/kg	Conforms	ICP-MS
Cadmium (Cd)	<1.0mg/kg	Conforms	ICP-MS
Mercury (Hg)	<0.1mg/kg	Conforms	ICP-MS
Loss on Drying	≤1.0 %	0.36%	USP<731>
Pyridoxine HCL	< 0.5%	N/D	HPLC
Total Aerobic Count	≤1000cfu/g	<10cfu/g	Ch. P Appendix XI J
Yeast & Moulds	≤100cfu/g	<10cfu/g	Ch. P Appendix XI J
E-Coli	Negative	Conforms	Ch. P Appendix XI J
Salmonella	Negative	Conforms	Ch. P Appendix XI J
Staphylococcus Aureus	Negative	Conforms	Ch. P Appendix XI J
Conclusion			
Conclusion	To be complied with in-house Specification		
Shelf Life	2 years when properly stored.		
Storage	Store in cool & dry place, not freeze. Keep away from strong light.		

Tested by: 张丽娜

Checker: 李明

Approved:

