

Certificate of Analysis

Product Name	Pyridoxal-5-phosphate	Batch No.	R24L06026
CAS No.	853645-22-4	MFG. Date	Jun 02, 2024
CAT No.	R066746	Retest Date	Jun 01, 2027
Items	Specification	Results	
Description	Slightly yellow or off-white powder	Conforms	
Identification	The retention time of the major peak of product corresponds to that of the standard	Conforms	
Solubility	Very slightly soluble in water, soluble in alkali-OH Soln.	Conforms	
Melting point	140.0~145.0 °C	143.0°C	
Water by KF	≤10.0%	8.2%	
Heavy metals Cadmium Arsenic Lead Mercury	≤10ppm ≤0.5ppm ≤1.5ppm ≤0.5ppm ≤0.1ppm	<10ppm <0.01ppm <0.040ppm <0.1ppm <0.010ppm	
PH(in 0.25% water)	2.6-3.0	2.9	
Particle Size (Mesh)	90% through 30 mesh	Conforms	
B6, Free Vitamin B6	≤0.05%	0.03%	
Bulk Density	---	0.36 g/ml	
Tapped Density	---	0.72 g/ml	
Residual Solvents Toluene Ethanol	Complies to USP38 ≤890ppm ≤5000ppm	N. D. 40ppm	

Assay(on dry basis)	98.5%-101.0%	99.2%
Microbe. Test: Total Plate Count Yeast & Mold Salmonella E Coli Staphylococcus Aureus	$\leq 1000\text{CFU/g}$ $\leq 100\text{CFU/g}$ Negative Negative Negative	$< 10\text{CFU/g}$ $< 10\text{CFU/g}$ Negative Negative Negative
Conclusion	This product complies with the prescribed enterprise standard.	

QC:*Alex Foster***QA:***Felix Hobart*