

## Certificate of Analysis

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

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

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