

## Certificate of Analysis

Product Name	Pyridoxal-5-Phosphate	Batch No.	QY-LSBDQ20230517
Manufacturing Date	2023-05-17	Expiration Date	2025-05-16

Item	Specification	Result	Method
<b>Assay</b>	98.5%~101.0%	98.1%	CP<0861>
<b>Physical &amp; Chemical Data</b>			
Appearance	slightly yellow or off-white	Conforms	Organoleptic
<b>Analytical Quality</b>			
Identification	The retention time of the major peak of product corresponds to that of the standard	Conforms	CP <0512>
Sieve	NLT 90% Through 30 mesh	Conforms	Mesh Screen
Loss on Drying	≤10.0%	7.42%	CP2020
Solubility	Very slightly soluble in water, soluble in alkali-OH Soln.	Conforms	CP General Notices
Melting point	140~145°C	143°C	CP<0612>
pH (in 0.25% water)	2.6~3.0	2.9	CP<0631>
Free Vitamin B6	≤0.05%	0.04%	CP<0512>
Bulk density		Conforms	CP2020
Tapped density		Conforms	CP2020
<b>Residual Solvents</b>			
Toluene	≤890ppm	Conforms	CP<0861>
Ethanol	≤5000ppm	Conforms	CP<0861>
<b>Total Heavy Metals</b>	≤10ppm	Conforms	Colorimetry
Arsenic(As)	≤1.5ppm	Conforms	AAS
Lead(Pb)	≤0.5ppm	Conforms	AAS
Mercury(Hg)	≤0.1ppm	Conforms	AAS
Cadmium(Cd)	≤0.5ppm	Conforms	AAS
<b>Microbiological Tests</b>			
Total Plate Count	≤10000cfu/g	Conforms	CP2020
Yeast & Mold	≤100cfu/g	Conforms	CP2020
E.Coli	Negative	Negative	CP2020
Salmonella	Negative	Negative	CP2020
Staphylococcus	Negative	Negative	CP2020
<b>Conclusion</b>	Conform with specification		

Storage Cool & dry place.Do not freeze.Keep away from strong light and heat.

Shelf Life 24 months under the conditions above and in its original packaging.

Package In double sealed PP bags, 10/25kgs Drum.

Tested by: Mr Chen Date: 2023-05-22