



大连汉德姆精细化学品有限公司

DALIAN HANDOM CHEMICALS CO.,LTD.

Certificate of Analysis

Product Name: Pyridoxal-5-phosphate monohydrate

Batch No.: HDC20220522

Manufacturing Date: May 22nd, 2022

Retest Date: May 21st, 2024

Quantity: 1000kg

Packing: 1kg/Aluminum foil bag

Item	Specification	Result
Appearance	Slight yellow or off-white powder	Conforms
Identification	The retention time of the major peak of the product corresponds to that of the standard	Conforms
Solubility	Very slightly soluble in water, soluble in alkali-OH solution	Conforms
Melting Point	140.0°C~145.0°C	144.0°C
Water by KF	≤10.0%	7.01%
Heavy Metals	≤10ppm	Not Detected
Cadmium(Cd)	≤0.5ppm	Not Detected
Arsenic(As)	≤1.5ppm	Not Detected
Lead(Pb)	≤0.5ppm	Not Detected
Mercury(Hg)	≤0.1ppm	Not Detected
pH(In 0.25% Aqueous Solution)	2.6~3.0	2.83
Particle Size	90% pass through 30 mesh	Conforms
Free Vitamin B6	≤0.05%	0.034%
Bulk Density	≤0.35g/ml	0.20g/ml
Tapped Density	≤0.60g/ml	0.43g/ml
Assay(On Dry Basis)	98.5%~101.0%	99.4%
Residual Solvents(Ethanol)	Complies with USP38≤5000ppm	7ppm
Total Plate Count	≤1000CFU/g	Conforms
Yeast & Mold	≤100CFU/g	Conforms
Salmonella	Negative	Not Detected
E. coli	Negative	Not Detected
Staphylococcus Aureus	Negative	Not Detected

Conclusion: The product is complied with the enterprise standard.