



Specification

Concerning Product:	
Article number	54477ALR
Trade name / designation / denomination	Pyridoxal-5-phosphat
CAS number	54-47-7
Other names / synonyms	•(4-formyl-5-hydroxy-6-methyl-3-pyridinyl)methyl dihydrogen phosphate; •pyridoxal 5'-(dihydrogen phosphate);
EC number	200-208-3
Customs tariff number / CN code / TARIC	29362500
Molecular weight [g / mol]	247.141861
Formula	C ₈ H ₁₀ NO ₆ P

Parameter	Specification	Unit
Organoleptic test		
Appearance	Slightly yellow or off-white powder	
Physical parameter		
Loss on drying	≤ 10,0	%
pH value	2,6 – 3,0	%
Solubility	Very slightly soluble in water; soluble in alkali-OH Soln	
Identity		
Assay	98,5 – 101,0	%
Identification	complies	
Melting Point (identity)	140 – 145	°C
Impurities		
Heavy Metals (as Pb)	≥ 10	ppm
Elemental Impurities		
Arsenic (As)	≥ 1,5	ppm
Cadmium (Cd)	≥ 0,5	ppm
Mercury (Hg)	≥ 0,1	ppm
Lead (Pb)	≥ 0,5	ppm
Nutritional data		
Vitamins (Nutrient)	≤ 0,05	%
Microbiological data		
Escherichia Coli.	Negative	
Salmonella	Negative	
Staphylococcus Aureus	Negativ	
Total Plate Count	≥ 1,000	CFU/g
Yeast and Mould	≥ 100	CFU/g
Particle size distribution		
Particles	Mesh 30 – 90	%

Supplemental information:

Shelf life: 24 month

Packing: Packed in paper-drums and two plastic-bags inside, 20 kg/drum. Keep in cool & dry place. Stay away from strong light and heat.

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 29. Apr. 2020

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