



SWISS HERBAL
INSTITUTE

Certificate of Analysis

Product Name:	Vitamin B6 (Pyridoxine 5-phosphate)	Batch Number:	Varies
CAS No.	54-47-7	Manufacture Date:	Varies
Molecular Formula:	C ₈ H ₁₀ NO ₆ P	Expiry Date:	Varies

IDENTIFICATION		SPECIFICATION	RESULT
Pyridoxine 5-phosphate (HPLC)		98.5% - 101%	98.61 - 100.96%
Physical	Appearance	Slightly yellow or off-white powder	Complies
	Solubility	Very slightly soluble in water; soluble in alkali-OH Soln.	Complies
	Melting point	140 - 145°C	140 - 144°C
	Water	≤ 10%	1.10 - 8.1%
	pH	2.6 - 3.0	2.7 - 2.9
	Particle size	≥ 90 / 100% pass 30 mesh	Complies
	Free Vitamin B6	≤ 0.05%	0.01 - 0.02%
Chemical	Heavy metals	≤ 10 ppm	Complies
	Lead (Pb)	≤ 0.5 ppm	Complies
	Arsenic (As)	≤ 1.5 ppm	Complies
	Cadmium (Cd)	≤ 0.5 ppm	Complies
	Mercury (Hg)	≤ 0.1 ppm	Complies
Microbial	Total Plate Count	≤ 1000 cfu/g	Complies
	Yeast & Mold	≤ 100 cfu/g	Complies
	E. Coli, Salmonella, Staphylococcus	Negative	Complies

Else	Storage condition	Sealed, kept in shady and dry place
	Shelf life	Two years

