

CERTIFICATE OF ANALYSIS

Product Name:	Alpha GPC 50% Powder	Quantity:	500kg
Batch Number:	MYW20240609	Analysis Date:	17 th June 2024
Production Date:	17 th June 2024	Re-Test Date:	16 th June 2026
CAS:	28319-77-9	Molecular Formula:	C8H20NO6P
Reference Standard:	JP2000 Standard	Molecular Weight:	257
Item	Specification	Results	Test Method
Active Ingredients			
Assay (on Dried Base)	NLT 50.0%	51.80%	HPLC
Physical Control			
Appearance	Fine powder, Hygroscopic	Complies	Visual
Colour	White to off white	Complies	Visual
Odour	Neutral	Complies	Organoleptic
Identification	The R value of the sample and STD should be same.	Complies	TLC
Loss on Drying	5.0% Max	0.90%	KPC
Moisture	NMT 3.0%	1.66%	K.F.
Composition	Maltodextrin: NMT 50%		
Chemical Control			
Heavy Metals	NMT 10ppm	Conforms	KPC
Arsenic	NMT 1ppm	Conforms	KPC
Mercury	NMT 1ppm	Conforms	KPC
Cadmium	NMT 1ppm	Conforms	KPC
Lead	NMT 1ppm	Conforms	KPC
Sulfate	NMT 0.020ppm	Conforms	KPC
Iron	NMT 10ppm	Conforms	KPC
Chloride	NMT 0.020ppm	Conforms	KPC
Solvent Residual	Meeting USP Standard	Conforms	KPC
Related Substances	Total impurities: NMT 2.0%	Conforms	KPC
	Single impurity: NMT 0.5%	Conforms	KPC
Microbiological Control			
Total Plate Count	1,000cfu/g Max	Conforms	USP
Yeast and Moulds	300cfu/g Max	Conforms	USP
E.Coli	Negative / 10g	Conforms	USP
Salmonella	Negative / 25g	Conforms	USP
Staph Aureus	Negative / 10g	Conforms	USP
Pseudomonas aeruginosa	Negative / 25g	Conforms	USP
Packaging & Storage	Packed in cardboard drums and 1 poly bags inside and 1 aluminium foil lined bag inside. NW.: 25kg Store in a well-closed container away from moisture.		
Shelf Life	2 years if sealed and stored away from direct sun light and heat.		