

CERTIFICATE OF ANALYSIS

Product Name	Alpha GPC		
CAS No.	28319-77-9		
Molecular Formula	C8H20NO6P		
Batch Number	20260410	Manufacture Date	20260410
Report Date	20260410	Expiry Date	20280409

Item of Analysis	Specification	Results	Test Methods
Assay (% ,On Dried Base)	98.5%~102.0%	101.20%	HPLC
Organoleptic			
Appearance	Fine Powder	Complies	Visual
Color	White to light yellow	Complies	Visual
Odor	Neutral	Complies	Organoleptic
Identification	The R value of the sample and STD should be same.	Complies	TLC
Physical Characteristics			
Bulk Density(g/cc)	0.9-1.08	1.03	USP
Specification Rotation[a]25D	-2.4 to -2.95	-2.48	USP
Solubility (H2O,10% W/W)	Clear	Complies	Visual
Color of Solution	NMT Y7	Complies	USP
Loss on Drying	2.0% Max	0.67%	USP
Ph	5.0-7.0	5.56	USP
Heavy metals			
Heavy metals	NMT 10PPM	Conforms	CPh
Sulfate(SO4)	NMT 0.020%	Conforms	CPh
Iron(Fe)	NMT 10PPM	Conforms	CPh
Chloride(Cl)	NMT 0.020%	Conforms	CPh
Solvent Residual	Meeting USP Standard	Conforms	GC
G.P.E.	NMT 0.2%	Conforms	HPLC-USP
Glycerophosric Acid	NMT 0.2%	Conforms	HPLC-USP
Heavy metals	NMT 10PPM	Conforms	CPh

Storage: Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

Shelf Life: 24 months if store under the conditions above and stay in original packaging.

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