



Certificate of Analysis

Product Name	L- α -Glycerylphosphoryl Choline 99%		
Lot No.	KT20260117	Batch Quantity	100.0kg
Mfg Date	2026/01/17	Expiring Date	2028/01/16
Extraction Solvent	Ethyl alcohol/Water	Country of origin	P.R.China
Non-Irradiated / Non-ETO/ Treat by Heat Only / Non-GMO			

Analysis Items	Specification	Results	Test Method
Assay	NLT 98.5%	99.4%	Titration
Physical and chemical properties			
Appearance	White powder neutral odor very highly hygroscopic	Conform	Visual
Identification(TLC)	Conforms to the standard	Conform	----
Specific rotation	-2.4°~ -2.95°	-2.8°	USP
Heavy Metals(as Pb)	NMT 10ppm	< 10 ppm	USP
Arsenic	NMT 0.1ppm	<0.1 ppm	USP
Lead	NMT 0.5ppm	<0.3 ppm	USP
Cadmium	NMT 0.1ppm	<0.1 ppm	USP
Mercury	NMT 0.1ppm	<0.1 ppm	USP
Water content	NMT 2.0%	1.3%	USP
PH	4.5~6.5	6.0	USP
Solubility(H ₂ O, 10%w/v)	Clear	Conform	USP
Sulfate	NMT 0.02%	Conform	USP
Chloride	NMT 0.02%	Conform	USP
Phosphate Ion (P)	The color of solution should not be stronger than the control solution(5ppm)	Conform	----
Microbiology			
E.Coli.(cfu/g)	Negative	Negative	USP
Staphylococcus aureus	Negative	Negative	USP
Salmonella(cfu/g)	Negative	Negative	USP
Total plate count(cfu/g)	NMT 1000cfu/g	Conform	USP
Yeast&Mold(cfu/g)	NMT 50cfu/g	Conform	USP
*Storage: Avoid light and air,store in sealed containers at less than 4'C in the refrigerator.			
*Shelf life: 2 years when properly stored.			
Conclusion	Conform with specification.		

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