



Xi'an Green Spring Technology Co.,Ltd

Certificate of Analysis

Product Name	Phosphatidylserine Powder	CAS. NO	51446-62-9
Lot No.	KT20230902	Batch Quantity	100kgs
Manufacture Date	2023/09/02	Expiry Date	2025/09/02
Extraction Solvent	Water	Country of origin	P.R.China
Non-Irradiated / Non-ETO/ Treat by Heat Only / Non-GMO			
Analysis Items	Specifications	Results	Test Method
Assay	Phosphatidylserine >70%	70.1%	HPLC
Physical and chemical properties			
Appearance	Off white	Conforms	Organoleptic
Odour	Slight. Specific	Conforms	Organoleptic
Solubility	Emulsified in water; Insoluble in ethanol and methanol; Soluble in chloroform, petroleum ether.		
Particle Size	≥100% Through 80 mesh	Conforms	Ch.P.C.Rule47
Ash	≤0.5%	0.13%	Ch.P.C.Rule2302
Loss on drying	≤5.0%	0.25%	Ch.P.C.Rule52
Heavy Metals	≤10.0ppm	Conforms	Atomic Absorption
Cadmium(Cd)	≤1ppm	Conforms	Atomic Absorption
Mercury(Hg)	≤0.1ppm	Conforms	Atomic Absorption
Arsenic(As)	≤2ppm	Conforms	Atomic Absorption
Lead(Pb)	≤2ppm	Conforms	Atomic Absorption
Residual Solvents			
Ethanol	≤5000 PPM	Conforms	Gas Chromatography
Microbiological Quality	Total viable aerobic count)		
Total Plate Count,cfu/g	≤1000CFU/g	Conforms	Ch.P.C.Rule80
Mold and yeast Count,cfu/g	≤100 CFU/g	Conforms	Ch.P.C.Rule80
E. coli	Negative	Negative	Ch.P.C.Rule80
Salmonella	Negative	Negative	Ch.P.C.Rule80
Staphylococcus aureus	Negative	Negative	Ch.P.C.Rule80
Storage Condition: Store in tightly closed plastic bag and keep in a cool dry place. Do not Freeze. Keep always from strong direct light.			
Safely Precaution: Wearing of protective goggles or safety glasses is recommended.If accidentally instilled into the eyes,immediately rinse thoroughly with water and get medical care. Wash skin with soap and water upon contact.			
Conclusion	Confirm to Specification and Standards.		

Analyst: Zou Yuchi

Checker: Liang Yan

