



Add: 11,Tangyan south Rd, Xi ' an Shaanxi
 province, 710075,China
 Tel: 0086-29-88823263
 Fax: 0086-29-88265620

Xi'an Plant Bio-engineering Co.,Ltd

CERTIFICATE OF ANYLISIS

Product Name	PS(Phosphatidylserine)	Manufacture Date	Mar., 02, 2018
Batch No.	PH180302	Certificate Date	Mar. ,04, 2018
Batch Quantity	500kgs	Expiration Date	Mar. ,01, 2020
Item			
Specification		Result	Method
Basic Product Information			
Country of Origin	China	Conform	/
Marker Compounds			
L- -Phosphatidyl-L-serine	> 50.0%	51.6%	HPLC-ELSD
L- -Phosphatidylcholine	< 5.0%	4.12%	HPLC-ELSD
Organoleptic Data			
Appearance	Fine Powder	Conform	Visual
Color	Light Yellow	Conform	GB/T 5492-2008
Odor	Characteristic	Conform	GB/T 5492-2008
Taste	Characteristic	Conform	GB/T 5492-2008
Physical Characteristics			
Solubility	Soluble in chloroform, n-hexane, diethyl ether, Petroleum ether; Insoluble in water, ethanol, methanol.	Conform	Visual
Peroxide value	< 5.0 meq/kg	Conform	CP2010
Particle Size	> 98.0% pass 40 mesh	Conform	GB/T 5507-2008
Loss on drying	< 2.0%	0.99%	GB 5009.3
Acetone insolubility substance	> 95.0%	Conform	SN/T 0802.2
Solvent Residue (n-hexane)	< 290ppm	Conform	Q/GJSW 0002S-2016
Heavy Metals			
Total Heavy Metals	< 10.0 ppm	Conform	USP <231>, method II
As	< 2.0 ppm	Conform	GB 5009.11
Pb	< 2.0 ppm	Conform	GB 5009.12
Cd	< 0.5 ppm	Conform	GB 5009.15
Hg	< 0.5 ppm	Conform	GB 5009.17
Microbiology			
Total Plate Count	< 1,000cfu/g	400cfu/g	GB 4789.2
Mold	< 50cfu/g	30cfu/g	GB 4789.15
E. Coli	< 10cfu/g	Negative	GB 4789.3
Salmonella	Negative	Negative	GB 4789.4
Non-GMO			
Non-GMO	Conform	Conform	SN/T 1195-2003
Conclusion	Conform with Specification Standards 2010.		
Storage	Store in a cool and dry place, keep away from direct strong and heat.		
Shelf Life	24months if when properly stored		