



# Xi'an Green Spring Technology Co.,Ltd

## Certificate of Analysis

Product and Batch Information			
Product name	PS(Phosphatidylserine)		
Batch Number:PS20220528	Country of Origin: China		
Manufacture Date:May. 2& 2022	Batch Quantity: 800kg		
Expiry Date: May.27,2024	Certificate Date:May.30,2022		
Item	Specification	Result	Method
<b>Marker Compounds</b>			
L-a-Phosphatidyl-L-serine	>60.0%	61.41%	HPLC-ELSD
<b>Organoleptic Data</b>			
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
<b>Physical Characteristics</b>			
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%	1.02%	GB 5009.3
Acetone insolubility	>95.0%	Conform	SN/T 0802.2
Solvent Residue (n-hexane)	<290ppm	Conform	Q/GJSW0002S-2016
<b>Heavy Metals</b>			
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
<b>Microbiology</b>			
Total Plate Count	<1000cfu/g	300cfu/g	GB 4789.2
Mold	<50cfu/g	20cfu/g	GB 4789.15
E.Coli	<10cfu/g	Negative	GB 4789.3
Salmonella	Negative	Negative	GB 4789.4
<b>Conclusion</b>	Conform with specification		
<b>Packing</b>	Pack in paper-Carton and plastic-bags inside.		
<b>Storage</b>	Store in a well-closed container away from moisture and direct sunlight.		
<b>Shelf Life</b>	2 years if sealed and stored properly.		

Quality Assurance: Liang Yan

