

**Certificate of Analysis**

<b>Product Name</b>	PS(Phosphatidylserine)	<b>Manufacture Date</b>	Nov. 3, 2017
<b>Batch No.</b>	PS171103-12	<b>Certificate Date</b>	Nov. 5, 2017
<b>Batch Quantity</b>	500kgs	<b>Expiration Date</b>	Nov. 3, 2019
<b>Storage Condition</b>	Store in cool & dry place, Keep away from strong light and heat.		

Item	Specification	Result	Method
<b>Basic Product Information</b>			
Country of Origin	China	Conform	/
<b>Marker Compounds</b>			
L- $\alpha$ -Phosphatidyl-L-serine	$\geq 70.0\%$	72.28%	ELSD
L- $\alpha$ -Phosphatidylcholine	$\leq 5.0\%$	1.26%	ELSD
<b>Water(KF)</b>			
	$\leq 2.0\%$	0.91%	
<b>Organoleptic Data</b>			
Appearance	Fine Powder	Conform	NLS-QCS-1008
Color	Yellow	Conform	GB/T 5492-2008
Odor	Characteristic	Conform	GB/T 5492-2008
Taste	Characteristic	Conform	GB/T 5492-2008
<b>Physical Characteristics</b>			
Peroxide value	$\leq 5$ meq/kg	Complies	CP2010
Particle Size (40 mesh)	$\geq 98.0\%$ pass40mesh	Conform	GB/T 5507-2008
Loss on drying	$\leq 2.0\%$	0.98%	GB/T 14769-1993
<b>Heavy Metals</b>			
Total Heavy Metals	$\leq 10$ ppm	Conform	USP $\leq 231 \geq$ , method II
As	$\leq 3.0$ ppm	Conform	AOAC 986.15, 18th
Pb	$\leq 2.0$ ppm	Conform	AOAC 986.15, 18th
Cd	$\leq 2.0$ ppm	Conform	AOAC 986.15, 18th
<b>Microbiology</b>			
Total Plate Count	$\leq 1,000$ cfu/g	318cfu/g	AOAC 990.12, 18th
Total Yeast & Mold	$\leq 100$ cfu/g	69cfu/g	FDA (BAM) Chapter 18, 8th Ed.
E. Coli	Negative	Negative	AOAC 997.11, 18th
Salmonella	Negative	Negative	FDA (BAM) Chapter 5, 8th Ed.
S.aureus	Negative	Negative	FDA (BAM) Chapter 5, 8th Ed.

*Packing and Storage : Packed in paper drums and two plastic bags inside. Store in well closed container away from moisture.*