

Certificate of Analysis

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

Item	Specification	Result	Method
Basic Product Information			
Country of Origin	China	Conform	/
Marker Compounds			
L- α -Phosphatidyl-L-serine	$\geq 50.0\%$	51.2%	ELSD
L- α -Phosphatidylcholine	$\leq 5.0\%$	1.31%	ELSD
L- α -Phosphatidylinositol	$\leq 5.0\%$	2.16%	ELSD
L- α -Phosphatidylethanolamine	$\leq 10.0\%$	4.63%	ELSD
L- α -Phosphatidylacid	$\leq 15.0\%$	9.66%	ELSD
Organoleptic Data			
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
Physical Characteristics			
Peroxide value	$\leq 5\text{meq/kg}$	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
Heavy Metals			
Total Heavy Metals	$\leq 10\text{ ppm}$	Conform	USP $\leq 231 \geq$, method II
As	$\leq 3.0\text{ ppm}$	Conform	AOAC 986.15, 18th
Pb	$\leq 2.0\text{ ppm}$	Conform	AOAC 986.15, 18th
Cd	$\leq 2.0\text{ppm}$	Conform	AOAC 986.15, 18th
Microbiology			
Total Plate Count	$\leq 1,000\text{cfu/g}$	365cfu/g	AOAC 990.12, 18th
Total Yeast & Mold	$\leq 100\text{cfu/g}$	70cfu/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.