



Address: East of Tianmu Road, Laiyang Development
Zone, Yantai City, Shandong Province, 265200, China

Phosphatidylserine 60% Stability Test and Stability Assurance

Product: Phosphatidylserine

To whom it may concern,

Accelerated testing of food ingredients for Phosphatidylserine had been finished. Moreover, the long term stability testing had been implemented, promises that we will carry out long term stability testing continuously based on following testing scheme.



February 13, 2024



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Result List of Stability Test

●Temperature Testing (0°C-20°C)

Batch No.20230216			
Date of Sampling Test Item	0 th Day	5 th Day	10 th Day
Appearance	Fine yellow powder	Fine yellow powder	Fine yellow powder
Loss on drying	0.98%	0.98%	0.98%
Peroxide value	≤5meq/KG	≤5meq/KG	≤5meq/KG
Assay	61.31%	61.32%	61.31%

●Humidity Testing

Batch No.20230216			
Date of Sampling Test Item	0 th Day	5 th Day	10 th Day
Appearance	Fine yellow powder	Fine yellow powder	Fine yellow powder
Loss on drying	0.98%	0.98%	0.98%
Peroxide value	≤5meq/KG	≤5meq/KG	≤5meq/KG
Assay	61.31%	61.32%	61.31%



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Photolysis Testing

Batch No.20230216			
Date of Sampling Test Item	0 th Day	5 th Day	10 th Day
Appearance	Fine yellow powder	Fine yellow powder	Fine yellow powder
Loss on drying	0.98%	0.98%	0.98%
Peroxide value	≤5meq/KG	≤5meq/KG	≤5meq/KG
Assay	61.31%	61.32%	61.31%

● Accelerated Testing

Batch No.20230216					
Date of Sampling Test Item	0 th Month	1 st Month	2 nd Mouth	3 rd Mouth	6 th Month
Appearance	Fine yellow powder	Fine yellow powder	Fine yellow powder	Fine yellow powder	Fine yellow powder
Loss on drying	0.98%	0.99%	1.03%	1.05%	1.12%
Peroxide value	≤5meq/KG	≤5meq/KG	≤5meq/KG	≤5meq/KG	≤5meq/KG
Assay	61.31%	61.32%	61.31%	61.28%	61.28%

Batch No. 20230222					
Date of Sampling Test Item	0 th Month	1 st Month	2 nd Mouth	3 rd Mouth	6 th Month
Appearance	Fine yellow powder	Fine yellow powder	Fine yellow powder	Fine yellow powder	Fine yellow powder
Loss on drying	0.99%	0.99%	1.02%	1.04%	1.12%



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Peroxide value	≤5meq/KG	≤5meq/KG	≤5meq/KG	≤5meq/KG	≤5meq/KG
Assay	61.26%	61.25%	61.26%	61.21%	61.20%

Batch No. 20230302					
Date of Sampling Test Item	0 th Month	1 st Month	2 nd Mouth	3 rd Mouth	6 th Month
Appearance	Fine yellow powder	Fine yellow powder	Fine yellow powder	Fine yellow powder	Fine yellow powder
Loss on drying	0.96%	0.94%	0.95%	0.98%	1.02%
Peroxide value	≤5meq/KG	≤5meq/KG	≤5meq/KG	≤5meq/KG	≤5meq/KG
Assay	61.09%	61.11%	61.09%	61.08%	61.09%

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- Long term testing

Batch No.20230216

Date of Sampling Test Item	3 rd Month	6 th Month	9 th Month	12 th Month	18 th Month	24 th Month
Appearance	Fine yellow powder	Fine yellow powder	Fine yellow powder	Fine yellow powder		
Loss on drying	1.05%	1.12%	1.31%	1.30%		



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Peroxide value	≤5meq/KG	≤5meq/KG	≤5meq/KG	≤5meq/KG		
Assay	61.28%	61.28%	61.21%	61.22%		

Batch No. 20230222						
Date of Sampling Test Item	3 rd Month	6 th Month	9 th Month	12 th Month	18 th Month	24 th Month
Appearance	Fine yellow powder	Fine yellow powder	Fine yellow powder	Fine yellow powder		
Loss on drying	1.04%	1.12%	1.23%	1.24%		
Peroxide value	≤5meq/KG	≤5meq/KG	≤5meq/KG	≤5meq/KG		
Assay	61.21%	61.20%	61.21%	61.19%		

Batch No. 20230302						
Date of Sampling Test Item	3 rd Month	6 th Month	9 th Month	12 th Month	18 th Month	24 th Month
Appearance	Fine yellow powder	Fine yellow powder	Fine yellow powder	Fine yellow powder		



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Loss on drying	0.98%	1.02%	1.03%	1.09%		
Peroxide value	≤5meq/KG	≤5meq/KG	≤5meq/KG	≤5meq/KG		
Assay	61.08%	61.09%	61.08%	61.10%		