



We Bring Natural Ingredient From Nature

Shaanxi Guanjie Technology Co., Ltd.

Certificate of Analysis

Product name	Egg Yolk Lecithin (TFL E80)	Batch No.	EL180602
Sample source	Workshop	Quantity	520Kg
Sampling date	2022.06.11	Manufacturing date	2022.06.02
Reporting date	2022.06.19	Expiry date	2024.06.01
Testing Basis	China pharmacopoeia 2015 for injection		
Storage Condition	Store under -18°C in dry place , keep away from strong light and heat.		
Testing Item	Standards	Inspecting Result	
【Description】			
Appearance	Milky white or light yellow wax-like agglomerate,with a slight special smell and creamy touch	Light yellow wax-like agglomerate	
Character	Soluble in Ethanol,Ether,and,Chloroform and petroleum ether(boiling range of 40~60°C),almost insoluble in acetone and water.	Conform	
【Identification】	complies	complies	
【Check】			
Acid Value	n.m.t.20.0	14.3	
Saponification Value	195-212	198	
Iodine Value	60-73	69	
Peroxide Value	n.m.t.3.0	1.4	
Free Fatty Acid	n.m.t.1%	Conform	
Triglyceride	n.m.t.3%	Conform	
Cholesterol	n.m.t.2%	Conform	
Palmitic Acid	n.m.t.0.2%	Conform	
【Related Substance】			
Phosphatidylinositol	n.m.t.5.0%	0.35%	
Lysophosphatidyl Ethanolamine	n.m.t.1%	0.8%	
Sphingomyelin	n.m.t.3.0%	1.6%	
Lysophosphatidylcholine	n.m.t.3.5%	2.0%	
Lysophosphatidyl Ethanolamine	n.m.t.4.0%	2.8%	
Total Amount of Related Substances	n.m.t.8.0%	4.8%	
【Residual Solvents】			
Ethanol	n.m.t.0.2%	0.007%	
Acetone	n.m.t.0.2%	NOT DETECTED	
Ether	n.m.t.0.2%	NOT DETECTED	

<http://en.gybiotech.com>

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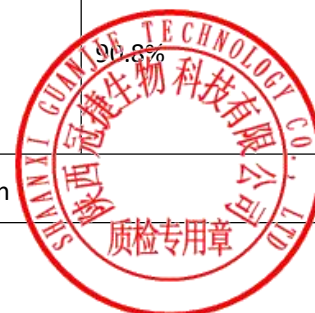
Add: 6th floor, 2nd building, Xijing NO.3, XiJing industrial park , DianZi western street, Xi'an, Shaanxi, China



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Petroleum Ether	n.m.t.0.05%	0.0005%
Hexane	n.m.t.0.02%	NOT DETECTED
Total Residual Solvent	n.m.t.0.5%	0.007%
Water	n.m.t.3%	1.2%
Protein	Not detected	NOT DETECTED
Heavy Metals	n.m.t.5ppm	Conform
Arsenic	n.m.t.0.0002%	Conform
Endotoxins	n.m.t.2.0EU	Conform
Bacteriological account		
Aerobes	n.m.t.100cfu/g	<10CFU/G
Moulds and Yeasts	n.m.t.100cfu/g	<10CFU/G
E.Coli	Negative/g	NOT DETECTED
Salmonellae	Negative/g	NOT DETECTED
Assay		
Nitrogen(N)	1.75~1.95%	1.8%
Phosphorus(P)	3.5%~4.1%	3.6%
Phosphatidylcholine	n.l.t.68%	80.5%
Phosphatidylethanolamine	n.m.t.20%	10.3%
Phosphatidylcholine and Phosphatidylethanolamine	n.l.t.80%	90.8%
Conclusion: Complies with China pharmacopoeia 2015 requirement for Injection		



Conclusion: Complies with specification

Tested by: Liu gang

Date: 2022.06.19

Approved by: Susan Sun, Ph.D

Date: 2022.06.19

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