



Shaanxi LonierHerb Bio-Technology Co., Ltd.

Add: No.56 Jinye Road, Hi-tech Zone, Xi'an China 710077

Tel: +86-29-87551862/ 85875292

www.Lonierherb.com E-mail:info@lonierherb.com

V2.01-2021

Certificate of Analysis

Product Information

Product Name	L-Alpha Glycerylphosphorylcholine (GPC)		
CAS No.	28319-77-9	Report Number	GPC20230730
Molecular Formula	C ₈ H ₂₀ NO ₆ P	Manufacture Date	2023/07/05
Batch Number	GPC230705	Analysis Date	2023/07/10
Batch Quantity	1000Kg	Expiry Date	2025/07/04

Test items	Specifications	Result	Test Methods
------------	----------------	--------	--------------

Active Ingredients

Assay	98.0% ~ 102.0 %	99.39%	Potentiometric Titration
-------	-----------------	--------	--------------------------

Physical & Chemical Data

Appearance	White Crystalline Powder	Conforms	Visual
Identification	Positive	Conforms	TLC
Specific Rotation	- 2.4°~ - 2.8°	-2.6°	USP38
Loss on Drying	≤2.0 %	0.29%	USP38
pH	4.5 ~ 7.0	5.5	USP38
Lead (Pb)	<1.0mg/kg	Conforms	ICP-MS
Arsenic (As)	<1.0mg/kg	Conforms	ICP-MS

Microbiological

Total Aerobic Count	≤ 1000cfu/g	160cfu/g	USP38
Yeast & Moulds	≤ 100cfu/g	20cfu/g	USP38
E-Coli	Negative	Conforms	USP38
Salmonella	Negative	Conforms	USP38
Staphylococcus Aureus	Negative	Conforms	USP38

Conclusion

Conclusion	To be complied with in-house Specification
Shelf Life	2 years when properly stored.
Storage	Store in cool & dry place, not freeze. Keep away from strong light.

Tested by: 张丽娜

Checker: 李明

Approved:

