



苏州麦轮生物科技有限公司
Suzhou MyLand Pharm & Nutrition Inc.

地址：苏州工业园区致和医药大厦

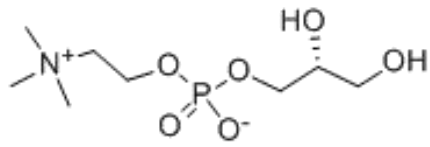
Add: ZhiHe Pharmaceutical Tower, SIP, Suzhou, CN.

电话：86 512 66706057

info@mylandpharm.com

www.mylandpharm.com

CERTIFICATE OF ANALYSIS

Product Name	L-alpha-Glycerophosphoryl Choline (Alfa GPC)		
Cas No.	28319-77-9	Quantity	1100kg
MFG. Date	2022.12.18	Batch No.	MLP-GPC-20221218
Report Date	2022.12.25	Retest Date	2024.12.17
Testing Items	Specifications	Results	
Appearance	A white or almost white crystalline powder	Conforms	
Identification	¹ HNMR conforms to structure	Conforms	
Solubility (H ₂ O, 10%w/v)	Clear	Conforms	
Specific Rotation	-2.4° ~ -2.95°	-2.81°	
pH(10%Water solution.W/V)	5.0~7.0	5.6	
Water	≤1.0%	0.19%	
Heavy metal	≤10ppm	Conforms	
Chlorine	≤0.020%	Conforms	
Sulfate	≤0.020%	Conforms	
Phosphate	≤5ppm	Conforms	
Purity(HPLC)	≥99.0%	99.86%	
Total impurities	≤2%	Conforms	

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Single impurity	≤0.5%	Conforms
Assay (anhydrous)	98.5%-102%	99.41%
Color of Solution	≤Y1	Conforms
Solution Clarity	Lighter than No.1 Turbidity Standard	Conforms
Methanol	≤10ppm	Conforms
Ethanol	≤5000ppm	Conforms
Benzene	≤2ppm	Conforms
Cyclohexane	≤10ppm	Conforms
Conclusion	The batch is conforms with in-house specifications	

ANALYST:

检 1

CHECKER:

检 2

Q.C. DIRECTOR:



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