

CERTIFICATE OF ANALYSIS

Product Name	L- α -Glycerylphosphorylcholine(GPC)	Batch No	PY-GPC20210303
Quantity	100KG	Analysis Date	Mar.06,2021
Mfg. Date	Mar.03,2021	Exp. Date	Mar.02,2023
Package	25kg/Drum	Standard	Enterprise Standard

No.	Item	Specification	Result
1.	Appearance	White crystalline powder	Complies
2.	Identification	Conforms to the standard	Complies
3.	Stability	Dry and light protected storage; Stable under normal usage.	Complies
4.	Solubility	Clear, colorless solution	Complies
5.	Heavy Metals	$\leq 20\text{ppm}$	$< 10\text{ppm}$
6.	Water Content	$\leq 2.0\%$	0.12%
7.	Residue on Ignition	$\leq 1.0\%$	Complies
8.	Specific Rotation	$-2.4^{\circ} \sim -2.8^{\circ}$	-2.7°
9.	pH	4.5~6.5	4.95
10.	Total Plate Count	$\leq 1,000\text{cfu/g}$	$< 10\text{cfu/g}$
11.	Yeasts & Molds	$\leq 100\text{cfu/g}$	$< 10\text{cfu/g}$
12.	E.Coli	Negative	Negative
13.	Assay	98.5%~101.5%	99.47%
14.	Conclusion	Conform with the Enterprise Standard.	

Analyst: xuli

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