



武汉福鑫化工有限公司

Wuhan Fortuna Chemical Co.,Ltd

Address: Room 2015-2016, No.2 Building, Kaixin Mansion, No.107 Jinqiao Avenue, Wuhan, China.

Website: www.fortunachem.com Tel: 027-85767163, 027-59207850 E-mail: purchase@fortunachem.com

CERTIFICATE OF ANALYSIS

Products Name	CAS NO.	Batch No.
Phosphatidylcholine	8002-43-5	20250120
Mfg. Date	Exp. Date	Package
Jan.,20,2025	Jan., 19,2027	25kg/Drum

ITEMS	SPECIFICATIONS	RESULTS
Appearance	Yellow to brown semi-solid or lump.	Yellow lump
Acid value	$\leq 30$	0.36
Iodine value	$\geq 75$	103
Peroxide value	$\leq 3.0$	0
Identification	1). Should be a positive reaction.	Positive
	2). Should be a positive reaction.	Positive
	3). The retention time of the PC and PE major peak in the chromatogram of the assay preparation, corresponds to that in the chromatogram of the standard preparation as obtained in the assay.	Confirm.
Color of solution	Absorbance $\leq 0.8$ at 350nm	0.1
Acetone insoluble	$\geq 90.0\%$	98.0%
Hexane insoluble	$\leq 0.3\%$	0.06%
Water	$\leq 1.5\%$	0.36%
Protein	N.D.	Confirm.
Heavy metals	$\leq 5\text{ppm}$	Confirm.
Arsenic	0.0002%	Confirm.
Lead	0.0002%	Confirm.

Residual solvents	Ethanol ≤0.2%	0.006%
	Acetone ≤0.2%	0.0002%
	Ether ≤0.2%	N.D.
	Petroleum ether≤0.05%	N.D.
	n-Hexane≤0.02%	N.D.
	Total amount≤0.5%	0.006%
Lysophosphatidylethanolamine ethanolamine(LPE)	≤1%	N.D.
Lysophosphatidylcholine(LPC)	≤3.5%	0.52%
LPE+LPC	≤ 4.0%	0.52%
Phosphatidylinositol	≤5.0%	N.D.
Total amount	≤8.0%	0.52%
Microbial limit	Acrobes ≤100cfu/g	< 10cfu/g
	Moulds and yeasts ≤100cfu/g	< 10cfu/g
	E.coli /g Negative	Negative
	Salmonellae/10g Negative	Negative
	Endotoxins EU/g ≤2.0	Confirm.
Assay(on dry basis)	Phosphorus(P) ≥2.7%	3.7%
	Nitrogen (N) 1.5% ~2.0%	1.7%
	Phosphatidylcholine(PC) ≥45.0%	93.2%
	Phosphatidylethanolamine(PE) ≥ 30.0%	N.D.
	PC+PE ≥70%	93.0%
Conclusion	Complies with CP2020 for Soya Lecithin(for injection)	
The chemicals provided are ordinary raw materials (non-finished products), for legal industrial use only,direct human/animal application prohibited. Violators bear full liability, seller exempt.		

Q.C.: Luo Xiaofeng

Tester: AT02

Re-tester: AT03