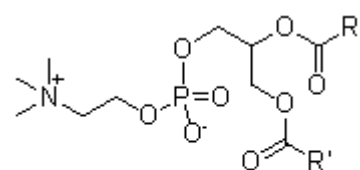


Certificate of Analysis

MedKoo Cat#:	Product Name:	Lot#
510262A	Phosphatidyl choline (from soybean)	BBC40306

Chemical name	
This product is a mixtures, general chemical structures are described as the following section. (Z)-3-(oleoyloxy)-2-(palmitoyloxy)propyl (2-(trimethylammonio)ethyl) phosphate	
Synonyms	
Phosphatidylcholine; 1,2-Diacyl-sn-glycero-3-phosphocholine, 3-sn-Phosphatidylcholine, L- α -Lecithin, Azolectin, PC.	
Chemical structure	CAS# and identification information
 <p>R, R' = fatty acid residue</p>	MedKoo Cat#510262A Name: Phosphatidyl choline Resource: from Soybean CAS#: 8002-43-5 Lot#BBC40306

Testing items	Specifications	Result
Appearance	Yellow to brown semi-solid or lump	Yellow lump
Solubility	Soluble in ether, ethanol and insoluble in actone	conforms
Acid value	<30.00	1.0
Iodine value	>75.0	116
Peroxide value	<5.0	0
Identification test		
Method (I)	Positive reaction	conforms



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Method (II)	Positive reaction	conforms
Analytical test		
Solution color	Abs <0.8 in 350 nm	0.03
Mass not soluble in acetone	>90.0%	95.04%
Mass not soluble in toluene	<0.3	0.15%
Mass soluble in water	<1.5%	0.21%
Heavy metals	<20ppm	conforms
Arsenic salt	<0.0002%	conforms
Ethanol	<0.5%	0.06%
Acetone	<0.5%	0.0001%
dichloromethane	<0.06 [^]	Not detected
Lysophosphatidylethanolamine (LPE)	<0.5%	Not detected
Lysophosphatidylcholine (LPC)	<3.5%	0.14%
Phosphorus (P)	>2.7%	3.4%
Nitrogen (N)	1.5% ~ 2.0%	1.78%
Phosphatidyl choline (PC)	>45%	98.31%
Phosphatidylethanolamine (PE)	<30.0%	Not detected
Phosphatidylinositol (PI)	<5.0%	Not detected
Conclusion:		
This batch product complies with MedKoo quality standard.		