

## Certificate of Analysis

<b>Product Name:</b>	Phosphatidylcholine	<b>Synonyms:</b>	Soybean lecithin
<b>Cas No.:</b>	97281-47-5	<b>Source:</b>	Soybean
<b>Batch Number:</b>	SCC201302222	<b>Manufacturing Date:</b>	02/22/2013
<b>Analysis Date:</b>	02/26/2013	<b>Expiry Date:</b>	02/22/2015

ITEMS	SPECIFICATIONS	RESULTS
Assay (HPLC)	Phosphatidylcholine $\geq 92,0\%$ Phosphorus $\geq 3,5\%$	92,7% 3,8%
Appearance	Yellow or wheat wax-like solid	Complies
Moister	$\leq 2,0\%$	0,5%
Acid Value	$\leq 20,0\text{mgKOH/g}$	3,3mgKOH/g
Lodine Value	$\geq 95\text{gl}/100\text{g}$ Should be a positive reaction (I) Should be a positive reaction (II)	101gl/100g Positive reaction Positive reaction
Identification	The retention time of the major peak in the chromatogram of the Assay preparation corresponds to that in the chromatogram of the Standard preparation, as obtained in the Assay	Conform
Emulsification Stability	Should not be delamination	Undelamination
N	Should be 1,5%-2,0%	1,6%
Toluene Insoluble	$\leq 0,3\%$	0,05%
Acetone Insoluble	$\geq 98,0\%$	99,2%
Peroxide Value	$\leq 10,0\text{m Eq/kg}$	2,1 mEq/kg
Ethanol-soluble	$\geq 99,0\%$	99,7%
Heavy metals	$< 10\text{ppm}$	Complies
Pesticide Residues	$< 2\text{ppm}$	Complies
Organic Volatile	Ethanol $\leq 5000\text{ppm}$ , Methanol $\leq 3000\text{ppm}$ , Acetone $\leq 5000\text{ppm}$	Complies
Total bacterial count	Max.1000cfu/g	Complies
Yeast & Mold	Max.25cfu/g	Complies
Pathogenic Bacteria	Should not be detected	Not detected

**Storage: Store in cool and dry place.**