

# EcovaPure™ PL-40



## PRODUCT SPECIFICATION

### Description

EcovaPure™ PL-40 is an egg yolk lecithin powder, containing at least 60% lecithin. It can be used in food, nutraceutical, and cosmetic applications. It also contains ~40% egg yolk proteins, which stabilizes the emulsion and provides additional nutrition. It can be directly included in nutraceutical products for its phosphatidylcholine content.

### Applications

EcovaPure™ Lecithin has a broad range of useful applications. It has undergone supercritical CO2 extraction so is not denatured by harsh chemical solvents or high temperatures and has applications in micelle technology in nutraceuticals as well as cosmetic products. It is an excellent emulsifier that could be added to baked goods, sauces, confectionary, smoothies, or beverages. It can also be directly added to nutraceuticals as a source of phosphatidylcholine for liver and brain health. Its dry powder form makes it easy to use and store.

### Shipping Information

Source: 100% Pasteurized Canadian Egg Yolk  
Appearance: Pale-Yellow Powder  
CAS No. 93685-90-6  
HS Code: 2923.20.00.00  
INCI No: 4649

### Specifications

Phospholipids 40%  
Phosphatidylcholine 33.6 %  
Phosphatidylethanolamine 4.8 %  
Others 1.6 %  
Hydrolyzed Proteins >40%

Test Items	Specifications	Analytical Values	Method
Appearance/Color	Light orange-yellow	Passed	Visual
Appearance/Form	Fine Powder	Passed	Visual
Acetone Insoluble Matter (Lecithin)	> 60%	61.6%	USP Monograph
Total PL	> 40 %	40 %	ICPMS
Protein	> 40 %	43 %	AOAC 990.03
Moisture	< 5 %	3.9 %	AOAC 935.29
Ash	< 8 %	5.3 %	AOAC 942.05
Heavy Metals* - As, Pb, Hg, Cd	NMT 10 ppm	NMT 0.2 ppm	ICPMS
Aerobic Plate Counts	NMT 5,000 cfu/g	150 cfu/g	MFHPB-18
Coliform	Not Detected	Not Detected	MFHPB-34
Salmonella	Negative	Negative	MFHPB-20
E. coli	Not Detected	Not Detected	MFHPB-34

\* Tests are not conducted per lot.

### Packaging and Storage

Packaging: 20 kg bag  
Storage: Dry, room temperature  
Expiry: 2 years\*

\* from manufacturing date – unopened and stored at recommended specs, subject to change as shelf life testing is ongoing