

PRODUCT SPECIFICATION

Description

EcovaPure™ PL-20H is an egg yolk-based emulsifier that can be used in foods as well as in nanoemulsion technology to encapsulate fat-soluble (water-insoluble) active ingredients and improve their bioavailability in the body. It contains 20% phospholipids, 25% hydrolyzed proteins, and 55% triglycerides with a significant amount of healthy omega 6 and 9 fatty acids, with some omega 3s as well. The proteins in the product help it outperform commercial emulsifiers in food. When delivering nutraceuticals to the body the proteins help ensure the fat-soluble compounds are protected until they arrive at the place of absorption, ensuring optimal active ingredient delivery. The hydrolyzation process modifies the associated lipid/protein structures resulting in increased solubility and miscibility in water, making it a **better emulsifier** than our standard PL-20 product

Applications

EcovaPure™ PL-20 has a broad range of useful applications. As it is not extracted through solvents, it is a fully natural product. It is used as a food ingredient to not only boost nutritional value but to serve as an emulsifier and binder. It is used in many baked goods, ice cream, and chocolate. It also has applications in micelle technology in nutraceuticals as well as cosmetic products. 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
 INCI No: 4649

Specifications

Phospholipids 20%
 Phosphatidylcholine 16.8%
 Phosphatidylethanolamine 2.45%
 Others 0.75%

Test Items	Specifications	Analytical Values	Method
Appearance/Color	Light orange-yellow	Passed	Visual
Appearance/Form	Fine Powder	Passed	Visual
Total PL	> 20 %	20.1%	ICPMS
Moisture	< 5 %	1.6 %	AOAC 935.29
Ash	NMT 10 %	4.8 %	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	NTM 20 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