

# EcovaPure™ PL-50



## Application Note

### Description

EcovaPure™ PL-50 is a premium egg yolk phospholipid concentrate, containing a minimum of 50% phospholipids. It can also be referred to as a high concentration lecithin. Since our phospholipid products come from egg yolk, they have a higher percentage of phosphatidylcholine (PC), the primary active ingredient, than other lecithins such as soy or sunflower.

### Applications

#### Phospholipids in Cosmetics:

- Hydrate skin and improve the skin barrier
- Are an integral part of every human cell, so they are highly compatible with the skin and gentle on all skin types. Synthetic sulphate emulsifiers and surfactants, which consumers are looking to avoid, can be replaced with a more natural lecithin and will reduce skin sensitivity.
- Have a unique rich, velvety, and non-greasy feel
- Exhibit anti-inflammatory properties, helps skin heal and reduces blemishes
- Assist in delivering the cosmetic active ingredients deeper into the skin, protecting them from oxidation and evaporation from the environment
- Can be used in serums, moisturizing creams, lotions, cleansers, anti-ageing eye treatments
- Are widely used as dispersing and wetting agents in cosmetics and are environmentally friendly and toxicologically safe

#### Nutraceutical Supplements:

- Used in lecithin supplements for its high phosphatidylcholine content and impressive health benefits.
- Health Canada has approved many health claims for phospholipids based on their PC content:

#### *A great source of choline, which:*

- Is a factor in the maintenance of good health;
- Is a factor in normal growth and development;
- Supports biological functions which play a key role in the maintenance of good health;
- Supports liver function.

#### *A great source of phosphorous, which:*

- Is a factor in the maintenance of good health and normal growth and development;
- Supports the development and maintenance of bones and teeth;
- Prevents phosphorous deficiency;
- Maintains the body's ability to metabolize nutrients.

### More Information

You can read more about our phospholipid products on our website:

<http://ecovatec.com/pl-50-phospholipids/>

Brochure

White Paper

Specification

Technology Solutions for **Healthy Living**

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## Sample Products

Companies such as [Lucas Meyer Cosmetics](#) claim expertise in the application of phospholipids in their skincare products.



Some nutraceutical companies are creating supplements with a low phospholipid content and which are relatively inexpensive. E.g. 20% PL content supplements.



Some nutraceutical companies create high-value lecithin pills by using a high phospholipid content (e.g. PL-50) and adding other valuable ingredients for added benefits. These sample products are from Goshen Biotech (Korea). The one on the left includes red ginseng extract, fish oil, and milkwort extract in addition to lecithin. The one on the right includes maca extract instead of milkwort extract.



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