

Application Note

Description

EcovaPure™ YPP is a proprietary formulation of egg yolk protein peptides. It's unique formulation of bioactive proteins, including phosvitin phosphopeptides (PPP) and small amounts of phospholipids, makes it an ideal cosmetic ingredient. Peptides are fragments of proteins and are made up of essential amino acids, which cells need to function. Certain peptides, such as ours, have a composition of amino acids that make them both available for the body to use and able to exert beneficial effects on the body.

One of the processes that leads to ageing is that free-radicals build up in our skin cells and cause them to be "stressed" which leads to wrinkles, loss of firmness, and texture changes. Our yolk protein peptides exert amazing antioxidant properties which will help reduce the appearance of ageing and restore youthful complexions while also helping the skin heal itself.

Applications

Phosvitin Phosphopeptides in Cosmetics:

- Exhibit amazing antibacterial and antioxidant properties. This prevents the ageing process due to free-radical buildup and protects your skin from infection.
- They contain vital amino acids necessary for your skin cells to function and look healthy.
- Help the skin to repair itself, leading to younger looking skin.
- Can be used in all facial creams, lotions, and serums, as well as wrinkle treatments.

Nutraceutical Supplements:

- Excellent source of protein that is easily available to the body
- The PPP have a variety of benefits that have been and continue to be researched.
- Our PPP-25 has been tested and shows extremely high antioxidant activity, as measured through DPPH radical scavenging activity.
- PPP-25 is currently being tested for the appropriate dosage to promote calcium and iron absorption, making it ideal to include in a calcium or iron supplement or nutritional beverage.
- Researchers are currently testing PPP for their anti-bacterial, anti-viral, and anti-cancer activity.

Food Industry Applications:

- Has been researched as a preservative of meats and fish to prevent lipid oxidation due to it's excellent antioxidant properties.

More Information

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

<http://ecovatec.com/phosvitin-protein-peptides/>

Brochure

White Paper

Specification

Technology Solutions for **Healthy Living**

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EcovaPure™ YPP



Sample Products

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



Peptides are being used in nutraceutical supplements and sports powders as well for their unique bioactive effects. For example, Natural Factors PeptAce Fish Peptides claim to promote healthy blood pressure. Sports Research claims their collagen peptides support healthy skin and hair and supports muscles and joints. You can also buy BCAA amino acids in supplement and protein powder form. Ecovatec's peptides can be used in all these applications and have unique bioactive effects not currently available commercially.



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