

# Product Name: Isotonix OPC-3<sup>™</sup> (Oligomeric Proanthocyanidins) Food Supplement Powder

PH13000 | SRP: PHp4200.00 - Single Bottle Value Size (90 Servings)

#### **Primary Benefits:**

- ✓ Combats free radicals
- ✓ Supports a healthy complexion
- ✔ Helps maintain healthy circulation by strengthening capillaries, arteries and veins
- ✓ Supports visual health
- ✔ Helps maintain joint flexibility

### What Makes This Product Unique?

Isotonix OPC-3™ is an isotonic-capable dietary supplement that is made from a combination of grape seed, red wine, pine bark, bilberry and citrus bioflavonoids extracts. The Isotonix™ delivery system is a uniquely effective way to provide supplements to the body. Isotonic supplements bear chemical resemblance to your own tears and plasma, so in turn, your bodily systems welcome the assimilation and integration of this product.

Isotonix OPC-3™ offers oligomeric proanthocyanidins (OPCs), which are scientifically proven to have potent antioxidant activity, which is vital for human health. In addition to being powerful antioxidants, the individual OPCs in OPC-3™ have been shown in humans to provide benefits for various health concerns. This science-driven selection makes OPC-3™ a powerful, natural free-radical-scavenging and cardiovascular-protecting product.

OPCs are bioflavonoids (or complex organic plant compounds) found in fruits, vegetables and certain tree barks that provide exceptional nutritional benefits to the human body. Studies have shown OPCs to be many times more powerful than vitamin C and vitamin E. The purest and best researched OPCs chosen for OPC-3™ are prepared from grapes, bilberries and Pycnogenol® from pine bark. These are the three best sources of oligomeric proanthocyanidins available and are all contained in OPC-3™.

Isotonix  $\mathsf{OPC-3^{TM}}$  is superior to any other  $\mathsf{OPC}$  supplements in total polyphenol content, active ingredient quality and isotonic capability. Isotonix  $\mathsf{OPC-3^{TM}}$  is one of the most powerful freeradical neutralizers available. Isotonix  $\mathsf{OPC-3^{TM}}$  has a pleasant, natural grape flavor and is a vegetarian product.

### **Key Ingredients**

#### **Grape Seed Extract**

Grape seed extract is typically from the seeds of red grapes (instead of white), which have a high content of compounds known as oligomeric proanthocyanidins (OPCs). OPCs are also present in a wide variety of fruits and vegetables including pine

bark (Pycnogenol®), which like grape seed extract, possess potent antioxidant properties. These antioxidants help protect cells from free-radical damage and helps promote cardiovascular health. Grape seed extract is extremely rich in polyphenols, a compound that is high in antioxidants.

#### **Red Wine Extract**

Red wine contains naturally occurring antioxidants. Red wine is significantly higher in antioxidant properties than white wine. This brings up the concept of the "French Paradox." In the late 1990s, scientists took note of a phenomenon among the French. There were, and still are, very high rates of good heart health in the provinces where residents consistently ate high-fat foods and drank red wine. The protective properties of red wine have protected the hearts of the French for years, and subsequent scientific studies have proven the fact that the OPCs found in red wine are particularly beneficial for protecting the heart and blood vessels.

#### Pine Bark Extract (Pycnogenol®)

Pycnogenol® is a natural plant extract developed from the bark of the maritime pine tree, which grows exclusively along the coast of southwest France in Les Landes de Gascogne.



The extract has three basic properties – it's a powerful antioxidant, selectively binds to collagen and elastin, and aids in the production of endothelial nitric oxide, which promotes healthy vasodilatation of blood vessels.

As one of the most potent natural scavengers of free radicals, Pycnogenol® helps fight all kinds of aggressive radicals before they cause any damage by reacting with a wide variety of molecules in cells. It contains antioxidant capabilities and it promotes healthy blood vessel walls and capillaries. It helps to maintain healthy circulation and cell vitality.

Today, Pycnogenol® is one of the most researched ingredients in the natural product marketplace. Published findings have demonstrated Pycnogenol's beneficial effects on cardiovascular health, eye health, skin care, sports nutrition and many other areas of health.

#### **Bilberry Extract**

Bilberry extract is derived from berry-like fruit of a common European shrub closely related to the blueberry.

Extracts of the ripe berry are known to contain flavonoid pigments known as anthocyanins, which also act as powerful antioxidants. Scientific studies confirm that they help to promote vision and vein health. Bilberry extract promotes healthy capillaries and arteries.

#### Citrus Extract (Bioflavonoids)

Bioflavonoids are found in certain plants and act as light filters, protecting the delicate DNA chains and other important macromolecules by absorbing ultraviolet radiation. Bioflavonoids have been shown to support general well-being.

### **Frequently Asked Questions**

#### What is a bioflavonoid?

Bioflavonoids are complex organic plant compounds that are found everywhere in the plant kingdom. These compounds are chemically related, yet their chemistry differs from one plant to another. This is obvious from the different colors of fruits and plants, which result from the specific bioflavonoid species they contain. Bioflavonoids have always played an important nutritional role for mankind. A rapidly increasing number of clinical studies show how bioflavonoids support human health. Bioflavonoids, specifically those found in OPC-3™, play a key role in cardiovascular health and vascular integrity. Clinical studies have demonstrated an improved blood flow when using OPCs. Also, collagen renewal is accelerated, resulting in improvements in firmness of the skin, joint cartilage and other connective tissues.

# What sets Isotonix OPC-3™ apart from other bioflavonoid products?

Isotonix OPC-3™ exclusively offers the OPCs that are scientifically proven to be the most potent for human health in the optimal serving size. In addition to being powerful antioxidants, the individual OPCs have been shown in humans to provide various health benefits. This science-driven selection of OPCs is unique to Isotonix OPC-3™, as is the Isotonix™ delivery system, which enables rapid and highly efficient absorption of the OPCs in as little as five minutes. The potent nutrients, in combination with the highly effective delivery system, make Isotonix OPC-3™ the most powerful natural free-radical scavenger and cardiovascular health-protecting product ever created.

#### Is Isotonix OPC-3<sup>™</sup> safe?

Absolutely! OPCs are among the most valuable constituents of a healthy human diet. OPCs have been researched and used for over 30 years throughout Europe. OPC-3™ contains pure OPCs in combination with carefully balanced quantities of minerals and little sugar, making OPC-3™ isotonic. Isotonix OPC-3™ is free of harmful chemicals, preservatives and alcohol. Isotonix OPC-3™ should be taken as directed.

# How long does it take for me to benefit from Isotonix OPC-3™?

Isotonix OPC-3™ not only provides the most potent OPCs available, the unique Isotonix delivery system ensures that the small intestine rapidly absorbs the OPCs, which are available in the bloodstream within minutes. This is because the OPCs are delivered in liquid form. More importantly the liquid is isotonic, which means it is similar to the environment in all our cells and bloodstream in regard to pH, electrolytes, etc. This enables the OPCs to transit into our body without barriers and with a high level of bioavailability.

Though you might not notice it, within minutes after consumption of Isotonix OPC-3™, it will begin to support your blood circulation. This is not an assumption, but objectively measured in a clinical trial. Isotonix OPC-3™ quickly begins to work to strengthen blood vessels, helping to maintain good circulation.

## Can you take Isotonix OPC-3<sup>™</sup> in soda, juice, coffee, etc., rather than water?

It is possible but not recommended. In order to keep the product in an isotonic form and to achieve the maximum delivery speed, it needs to be taken on an empty stomach with two ounces of water per capful. To mix the products with anything else slows down the delivery time and may also affect the percentage of uptake.

# I'm healthy and athletic. Why should I take Isotonix OPC-3™?

You are fortunate to enjoy good health and be in good shape. However, you are vulnerable to the aging process caused by continuous free-radical damage as much as anybody else. And more than that, athletes tend to be exposed to elevated levels of oxidative stress. Athletes inhale 10 to 20 times more oxygen during physical activity and this results in the production of extra free radicals. In fact, these free radicals are known to limit performance, as they appear to take their toll on muscle tissue also. Isotonix OPC-3™ helps to maintain healthy circulation and cell vitality and this supports oxygen supply to muscles.

#### Does Isotonix OPC-3<sup>™</sup> have a rejuvenating effect?

The damage caused by free radicals adds up with time. A cause for more worry is the fact that your body's own mechanisms to keep free radicals in check decline with increasing age, when you need them the most. Suddenly, we find ourselves confronted with some typical age-related problems. And apparently some cells of our body are more vulnerable to free radicals than others. Isotonix OPC-3™ has the ability to go in and do a knockout job, cleaning and scavenging the free radicals that feast on cellular energy, taking it away from vital processes.

A typical example are the cells of the nervous system. The membranes of these cells are highly vulnerable to free-radicals, and in placebo-controlled studies, OPCs have been shown to significantly protect nerve cells from free-radical damage.

#### What are the proven heart health benefits of OPCs?

Initially, OPCs were discovered by the scientist who received the Nobel Prize for the discovery of vitamin C, Dr. Albert Szent-Györgyi. He realized that the bleeding which occurs with the disease scurvy resulted from malnutrition and the lack of vitamin C. Szent-Györgyi found that OPCs work in a similar fashion. They strengthen artery walls, veins and capillaries.

In the past 20 years scientists discovered that OPCs exert more benefits for the cardiovascular system. Epidemiological studies have shown that regular intake of the powerful OPC antioxidants support a healthy cardiovascular system. Specifically, the Pycnogenol® in Isotonix OPC-3™ plays a key role, as it stimulates an enzyme in the body to promote healthy nitric oxide levels. Nitric oxide is a small free radical which serves as a key messenger molecule within cells, between cells and in the bloodstream. It helps smooth muscle surrounding arteries to remain relaxed and maintain healthy blood flow. This benefit has been explicitly demonstrated with Pycnogenol® in clinical studies.

#### How can Isotonix OPC-3<sup>™</sup> help my eyes?

Bilberry OPCs were used by pilots of the Royal Air Force during World War II, for support of nighttime vision and adjustment to darkness. Pycnogenol® was tested in more than 1,200 people with retinopathy. Pycnogenol® was demonstrated to support healthy capillaries in the eye. Isotonix OPC-3™ helps maintain visual health and supports visual acuity.

#### What exactly is Pycnogenol®?

Pycnogenol® is the trademark of Horphag Research Limited (www.pycnogenol.com) for a standardized extract of bark from the French maritime pine tree. Pycnogenol® is particularly renowned for its extensive clinical research, with more than 120 studies published in peer-reviewed medical journals. The flavonoids species in Pycnogenol® are particularly powerful as antioxidants and, furthermore, promote normal generation of nitric oxide. Nitric oxide plays a key role in regulating cardiovascular health. This in turn supports healthy blood circulation. Pycnogenol® has been awarded various U.S. patents, such as for its ability to promote normal platelet activity.



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