



Polyphenols + C Protect

with Berry Polyphenols

- Vitamin C supports a wide variety of biochemical reactions throughout the body, including synthesis of collagen, detoxification, and immune system function.*
- Enhanced with Vincare® whole grape extract, Cranberex® cranberry extract, blueberry extract, and concentrates of blackberry, raspberry, and strawberry, which provide various polyphenols and phytonutrients.*
- Vitamin C along with fruit-sourced antioxidant compounds collectively support the brain, cardiovascular and immune systems, skin, connective tissue, and metabolic health.*

Polyphenols + C Protect combines non-GMO vitamin C (ascorbic acid) with extracts of grape, blueberry and cranberry, and concentrates of blackberry, raspberry, and strawberry. The combination supplies diverse antioxidant compounds which are found in a healthy, whole foods diet, with high-quality ingredients that are lab tested for purity and potency.

Vitamin C is the most important water-soluble antioxidant. Humans, unlike most other mammals, cannot manufacture vitamin C, so we must obtain it from food or nutritional supplements. Vitamin C is concentrated in the adrenal glands where it is crucial for the production of adrenal hormones involved in responding to stress.* The body uses vitamin C for immune system functions including white blood cell production, histamine release and degradation, reduction of glutathione, and the metabolism and protection of several other nutrients.* It is involved in the production of collagen and elastin, important connective tissue proteins.* Vitamin C may also support HDL cholesterol within normal levels, and bone mineral density.* When the human body is bombarded by various environmental pollutants such as mold and mycotoxins, chemicals, heavy metals, chronic illnesses, and viruses, organ systems may suffer the consequences of oxidative stress, or “rusting”. A powerful electron donor biochemically, Vitamin C helps to mitigate the impact of these pollutants.

Fruit extracts and concentrates from **grape, cranberry, blueberry, blackberry, raspberry, and strawberry** make up more than 30% of Polyphenols + C Protect. Berries in particular contain high levels of polyphenols which demonstrate an array of antioxidant activities.*

The diversity of phytochemicals in whole foods is astonishing and goes far beyond vitamins and minerals. Over 8,000 types of polyphenols have been identified, with clinical research showing significant potential health benefits.*

The vibrant color of fruits and berries comes from these various compounds, which includes polyphenols, flavonoids, anthocyanins, proanthocyanidins, procyanidines, and resveratrol.

Vincare® is a highly concentrated extract from the seed, skin, and fruit of whole grapes (*Vitis vinifera*). Grapes contain many active compounds including polyphenols, water-soluble flavonoids, anthocyanins, proanthocyanidins, procyanidines, and resveratrol. Testing of Vincare® consistently reveals a high level of polyphenols and antioxidant potential.

Cranberex® is a concentrated (200:1) extract of pure whole cranberry (*Vaccinium macrocarpon*), standardized to 15% concentration of unique A-type proanthocyanidins. These compounds have been found in clinical research to have microbial balancing properties, possibly due to inhibition of bacterial adhesion and biofilm development on certain endothelial tissues.*

Colorful blueberry, blackberry, raspberry and strawberry concentrates enhance the synergistic benefits of this formula and increase its phytonutrient content.

Each batch of Polyphenols + C Protect is tested for vitamin C and polyphenol content to ensure potency.

| Supplement Facts | |
|---|----------------|
| Serving Size | 1 Capsule |
| Servings per Container | 90 |
| Amount Per Serving | % Daily Value* |
| Vitamin C (as ascorbic acid) (non-GMO) (from 800 mg Polyphenol-C® Proprietary Blend) | 500 mg 556% |
| Berry Polyphenols (from 800 mg Polyphenol-C® Proprietary Blend containing Grape Extract (whole fruit), Blueberry Extract (whole fruit), Cranberry Extract (whole fruit), and concentrates from Blackberry (whole fruit), Raspberry (whole fruit), Strawberry (whole fruit)) | 80 mg † |
| †Daily value not established. *Percent Daily Value are based on a 2,000 calorie diet. | |

Other ingredients: Hypromellose, rice maltodextrin, stearic acid, calcium palmitate.

Suggested Use: As a dietary supplement, 1 capsule one or two times daily with or without food, or as directed by a healthcare practitioner.

References:

- P. Patak P, et al. Endocrine Research. 2004;30:4, 871-75.
 Carr AC, Maggini S. Nutrients. 2017;9(11):1211.
 Jacques PF. J Am Coll Nutr. 1992;1(2):139-144.
 Hall SL, et al. Calcif Tissue Int. 1998 Sep;63(3):183-9.
 Nakajima, J., et al. J Biomed Biotechnol. 2004 (5), 241-247. Zafra-Stone, S. et al. Mol. Nutr. Food Res. 2007 Jun;51(6):675-83. Nassiri-Asl, M., et al. Photother Res. 2006 Sep;30(9):1392-403.
 Koli R, et al. J Agric Food Chem. 2010 Apr 14;58(7):3927-32. Chiva-Blanch G, Visioli F. J Berry Res. 2012 Jan 1;2(2):63-71. Howell, A.B., et al. Phytochemistry 2005 Sep;66(18):2281-91. Guoping F, et al. Biofouling 2013;29:6, 629-40.