



Pine Bark Extract

DESCRIPTION

Pine Bark Extract capsules, available from Medical Wellness Associates, supplies 25 mg of a pure, patented pine bark extract from Horphag Research, Ltd.

Pycnogenol is the registered trademark of Horphag Research and is the name given to their patented antioxidant complex produced solely from pine bark which contains a unique mixture of proanthocyanidins (a bioflavonoid), organic acids, and other active compounds. Other proanthocyanidin extracts may want to call themselves "pycnogenol", but they can't legally. Pine Bark Extract is a unique product recognized by U.S. and international patents covering its innovative methods of extraction, preparation, and biological applications.

Pycnogenol is made exclusively from the bark of the European coastal pine, *Pinus maritima*, which grows along the Atlantic coast of southern France. The nutrient-rich bark is processed by gentle water extraction through a solvent-free method which recovers all the water soluble components and maximizes bioavailability.

FUNCTIONS

Pycnogenol is one of the most powerful natural free-radical scavengers yet discovered. As such, it reduces oxidative damage to vital tissues and helps maintain a healthy capillary system. Pycnogenol's antioxidant activity is many times more effective than that of vitamin C and vitamin E. Pycnogenol enhances the effectiveness of vitamins C and E and can be taken together with these vitamins for added benefit.

Pycnogenol is composed of water-soluble proanthocyanidin dimers, trimers, and oligomers, catechin and epicatechin, and naturally-occurring organic acids such as ferulic acid and caffeic acid. Pycnogenol's proanthocyanidins are a highly specialized group of bioflavonoids unique in their ability to form condensation products. The dimeric proanthocyanidins are the most potent anti-free radical agents. Although the organic acids such as caffeic acid inhibit the formation of many reactive

oxygen species less than the dimeric proanthocyanidins, they are more effective than vitamin C in this regard.

The unique nutrient mixture supplied by Pine Bark Extract helps maintain a healthy capillary system in several ways. It protects vitamin C which is necessary for the production of collagen. Pine Bark Extract also binds to collagen fibers, protecting them from attack by free radicals so that the natural elasticity of collagen in skin, joints, arteries, capillaries and other tissues is maintained.

INDICATIONS

Pine Bark Extract capsules may be a useful nutritional adjunct for individuals who wish to increase their intake of natural antioxidants in the bioflavonoid family of nutrients.

FORMULA (#7041)

Each Capsule Contains:

Pycnogenol 25 mg

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SUGGESTED USE

Adults take 1 to 3 capsules daily or as directed by physician.

SIDE EFFECTS

No adverse side effects reported.

STORAGE

Store in a cool, dry place, away from direct light. Keep out of reach of children.

REFERENCES

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**These statements have not been evaluated by the Food and Drug Administration.
This product is not intended to diagnose, treat, cure, or prevent any disease.**

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