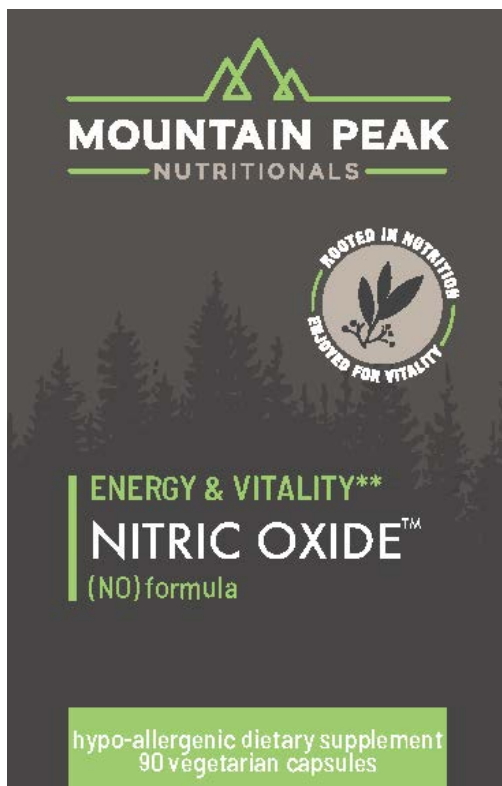


TECHNICAL DATA SHEET



New Formula!

NITRIC OXIDE™

In 1992, the American Association for the Advancement of Science proclaimed nitric oxide to be the “molecule of the year.” Since then, nitric oxide has been found to be essential in many bodily systems, such as the immune system and the nervous system, including the brain. Nitric oxide is also important for the treatment of many chronic conditions and diseases, such as chronic inflammation and cancer. It’s a key molecule in the cardiovascular system and helps keep blood vessels healthy and regulate blood pressure. Nitric Oxide provides greater cellular energy and is beneficial both when performing strenuous exercise and increasing one’s energy level. Nitric oxide (NO) is produced by nearly every type of cell in the human body and is one of the most important molecules for blood vessel health. It acts as a signaling molecule which modulates many functions of the cardiomyocyte, from the generation of ATP to the contraction of the sarcomere. Nitric Oxide is also a vasodilator, allowing the inner muscles of the blood vessels to widen to provide increased blood flow and lowering of blood pressure. Nitric acid relieves the pain of angina, inhibits the aggregation of platelets within the blood vessels, and prevents thrombotic events. L-citrulline not only increases nitric oxide production, but also decreases muscle soreness. An additional medical use of nitric oxide is in the treatment of impotence, or erectile dysfunction. Nitric oxide is essential to the achievement of an erection. Nitric oxide released within the penis relaxes the smooth muscle cells of the corpus cavernosa, making it easier for blood to flow into the spongy tissue allowing for the expansion of the penis during sexual stimulation.

INGREDIENTS:

L-Arginine

L-arginine is one of the most metabolically versatile amino acids. In addition to its role in the synthesis of nitric acid, L-Arginine is used for cardiovascular conditions including congestive heart failure (CHF), angina pectoris, hypertension, and coronary artery disease. L-Arginine has been shown to improve sexual function in men with organic ED (1). It is a conditionally essential amino acid (meaning the body can normally manufacture a sufficient supply).

L-Citrulline

L-citrulline is a naturally occurring alpha amino acid that has many health benefits, including increased strength and stamina, improvement in erectile dysfunction, and improved heart health. The L-citrulline passes through the liver unchanged, and is converted in the kidneys to L-arginine (2).

Hawthorn Berry

Hawthorn berries, which have a long history of use in Western botanical medicine for reducing blood pressure (3), are very rich in nitrite reductase—a key enzyme for converting “raw” nitrates into NO. Hawthorn also contains 5% polyphenols which also helps facilitate nitrite reduction while inhibiting unwanted nitrosation reactions. The flavonoids in Hawthorn are thought to interrupt the angiotensin converting enzymes, causing vasodilatation and improved circulation (4).

Supplement Facts

Serving size: 1 capsule
Servings per container: 90

Amount per serving		%DV
L-Arginine (98.5%)	333 mg	*
L-Citrulline (98%)	333 mg	*
Hawthorn berry extract (Crataegus spp) (1.8% vitexins)	25 mg	*
White Pine bark extract (Pinus spp) (4:1)	25 mg	*
Acetyl L-Carnitine HCl	20 mg	*
Bamboo extract (Bambusa vulgaris) (70% silica) (aerials)	17 mg	*
BioPerine® Black Pepper extract (Piper nigrum) (95% Piperine)	3 mg	*

Percent Daily Values are based on a 2,000 calorie diet.

* Daily Value not established.

Other ingredients: vegetarian capsules (Hypromellose and water), rice flour

White Pine Bark

Oligomeric Proanthocyanidins (OPCs) are natural polyphenols, and are the active constituents in pine bark and grape seed extracts. OPCs have strong antioxidant and anti-inflammatory properties. According to the Sloan-Kettering Institute, pine bark has been successfully used to address chronic venous insufficiency, senile dementia, erectile dysfunction (ED) and help regulate and strengthen immunity. Pine bark extract has a significant impact on nitric oxide (NO) levels in the body, which are responsible for vasodilation and improving blood flow. A recent study found the combination of pine bark extract and arginine (an amino acid that also boosts NO production) were effective for improving mild to moderate erectile dysfunction (5).

Acetyl L-Carnitine HCl

Acetyl L-Carnitine is an acetylated form of the amino acid L-carnitine. Scientists discovered that by acetylating carnitine, it was able to cross the blood-brain barrier more effectively. Acetyl L-carnitine makes the transport of fatty acids to the brain easier by allowing the acids to easily cross the barrier and nourish the brain (6).

BioPerine® Black Pepper

BioPerine® is a patented extract obtained from black pepper fruits (*Piper nigrum*) standardized minimum to 95% Piperine. BioPerine® has been used to enhance absorption and bioavailability of nutrients by at least 30%.

Patients: Consult with your healthcare professional for the proper dosage and use of this formula. For more information about this and other Condition Specific Formulas® please visit our website at:

www.mountainpeaknutritionals.com



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