## **BETA ALANINE**

#### **ENDURANCE ENHANCED FORMULA**

# BETA-ALANINE FOOD SUPPLEMENT WITH TOCOPHEROLS AND RESVERATROL<sup>1</sup>















- PRECURSOR TO CARNOSINE<sup>1</sup>
- HIGH-INTENSITY WORKOUT
- ANTIOXIDANT ACTION<sup>2</sup>



PACKAGING: 90 TABLETS, 1450 MG/EACH

#### BETA-ALANINE ALLOWS A CORRECT SYNTHESIS OF CARNOSINE

#### **INFORMATION**

GENERAL INFORMATION: ß-Alanine¹ is a non-essential amino acid that is vital for the synthesis of Carnosine, a dipetide highly concentrated in muscles. Carnosine is made up of L-Histidine and ß-Alanine, which represents the limiting factor for muscle synthesis. ³The right amount of Carnosine in muscles helps to buffer the lactic acid produced in the muscles during high-intensity and extended exercise. ¹Taking ß-Alanine helps achieve the correct synthesis of Carnosine. In this formula, ³the buffering action on lactic acid is also supported by the presence of sodium bicarbonate, which performs an alkalising activity. Carnosine is also known for its antioxidant action on muscles, in this formula the antioxidant activity is also supported by the presence of Resveratrol (from Fallopia japonica)², which in addition to the marked antioxidant effect, supports the proper function of the cardiovascular system. Vitamin B6 contributes to normal energy metabolism and to the reduction of tiredness and fatigue.

#### **HOW TO USE AND DAILY REFERENCE INTAKE**

1-2 tablets per day to be swallowed with a glass of water, preferably between meals. Athletes engaged in intensive activity may even take 3-6 grams of Beta-Alanine a day. In such cases it is better to spread the intake throughout the day, taking 1g of beta alanine every 3-4 hours. For maximum effectiveness, 4-8 week cycles are suggested, this helps to obtain the best availability of endogenous carnosine.

#### **INGREDIENTS**

Beta alanine 1, Charge agents: microcrystalline cellulose, dicalcium phosphate; Stabilizers: mono Diglycerides of fatty acids, polyvinylpyrrolidone; Sodium bicarbonate; Anti-caking agents: magnesium salts of fatty acids, silicon dioxide; mixed tocopherols (D-gamma-tocopherol, D-delta-tocopherol, D-alpha-tocopherol, D-beta-tocopherol); Resveratrol from Polygonum [Fallopia japonica (Houtt.) RonseDec. root e.s]2; Vitamin B6 (Pyridoxine hydrochloride).

### **RECOMMENDED FOR:**

- For those who perform endurance activities
- For those who perform high-intensity workouts
- For those who want to combat lactic acidosis<sup>3</sup>
- For those looking for a precursor to carnosine<sup>1</sup>

#### WHEN TO USE BETA ALANINE

3h 1h 30' 0 0 30' 1h 2h

BEFORE

DURING

AFTER

Warnings: food supplements are not intended to be used as a substitute for a varied and balanced diet and a healthy lifestyle. Do not exceed the recommended daily dosage. Keep out of reach of children under the age of 3. It is not recommended for children and during pregnancy and breast feeding.

Store in a cool dry place away from sunlight and other direct sources of heat. The expiration date applies to the product in its intact container when stored as directed.

\*This product is tested free from Nandrolone and Testosterone with their precursors, free from amphetamines and ephedrines.

TYPICAL VALUES		
	Per dosis (2 cpr)	NRV% per dosis (1 cpr)
Beta-Alanine	2000 mg	-
Sodium hydrogen carbonate, (sodium bicarbonate)	140 mg	
Mixed Tocopherols	14 mg	
Resveratrol from Fallopia japonica (e.s)	14 mg	
Vitamin B6	0.84 mg	60%

NRV: Nutrient Reference Values (adults) according to Reg. (EU) No 1169/2011

#### **BIBLIOGRAFIC INFORMATION**

 $\beta$ -alanine has been shown to increase Carnosine levels, which has a positive effect on anaerobic resistance through its ability to allow a "buffer" effect and therefore delay the onset of lactic acidosis within the muscle cell. The buffer effect that is generated aids muscle performance and endurance during exercise and also plays a significant role in muscle growth and strength. This is a complex mechanism because the action of  $\beta$ -Alanine is indirect and attributable to Carnosine.

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- 11. Fowles et al. Human neuromuscular fatigue is associated with altered Na+-K+-ATPase activity following isometric exercise. J Appl Physiol. 2002 Apr;92(4):1585-93.