

# *SportPlus*

MAKE IT TO THE FINISH LINE

Whether you are training to run the next marathon or entering a gym for the first time, boosting nitric oxide levels is clinically studied to maximize sport performance, reduce recovery time and elevate oxygen levels.

## DESCRIPTION

Develop an innovative formulation based on *RedNite*, a concentrated nitrate rich beetroot powder, standardized in **1.5% – 2.75%** in natural nitrates, which improves muscle endurance in athletes, **increases neuromuscular efficiency and reduces fatigue by improving performance in physical activity.**

## PHARMACEUTICAL FORM



# RedNite®

Is the world's first fresh beetroot powder, containing 1.5% – 2.75% natural nitrate along with antioxidant polyphenols.

## WHY RedNite® ?

Nitrate is converted in the body into Nitric Oxide (NO). It is involved in **increasing blood flow to the muscles**, which makes it easier for your power generators, known as mitochondria, to produce energy. It also maintains blood pressure and controls muscle contraction.

Boost Nitric Oxide levels

Boost stamina & performance

Enhance mitochondrial efficiency

Increase oxygenation of muscles

### LET'S SEE THE SCIENCE:

Recent studies have proven that Nitrate-rich (NR) products can provide a number of benefits during exercise, including improvements in the peak power, work rate and maximal oxygen capacity (VO Max).

*RedNite* supplementation resulted in approx. 4.5% higher peak in EMG amplitude indicating increased **fatigue free muscle** force during muscle actions. Nitrate-rich supplementation resulted also in **higher oxygen efficiency**.

Subjects consumed the nitrate rich (NR) bar containing 3g of *RedNite* duly fortified with a number of vitamins and minerals or nitrate-poor (NP) supplement for 3 days.

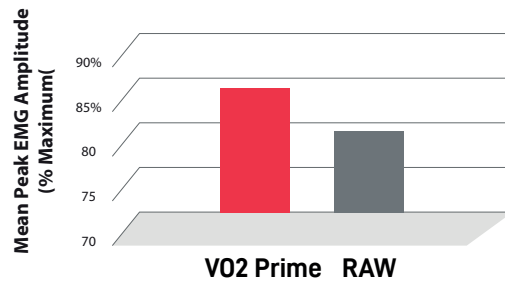


FIG. Mean peak EMG amplitude of MVCs with NR supplementation (clack bar) and NP supplementation (gray bar). \*Significantly greater than the NP treatment.

## BOOST YOUR PRODUCT



### CARNITINE



Cells utilize L-carnitine for transporting long chain fatty acids into mitochondria for  $\beta$ -oxidation. L-carnitine is essential for lipid metabolism in all cell types, have long been used as dietary supplements for weight loss and enhancing performance.

### TAURINE



Taurine plays a beneficial role in different metabolic and physiological processes, such as glucose and lipid regulation, energy metabolism, anti-inflammatory modulation, and antioxidant actions. Accordingly, taurine has been used as a potential ergogenic aid to improve athletic performance.

### VITAMIN C



Contributes to maintain the normal function of the immune system during and after intense physical exercise. (official EFSA claim)  
Vitamin C also contributes to the reduction of tiredness and fatigue and contributes to normal energy-yielding metabolism. (official EFSA claim).  
Vitamin C contributes to normal collagen formation for the normal function of cartilage, bones and blood vessels. (official EFSA claim).