

## All-natural, Kenyan purple tea extract that works to enhance physical performance, efficient pump-up, muscle recovery effect, and help maintain a healthy and active lifestyle.

## SPORTS PERFORMANCE



ACTIVE/STANDARDIZATION

OR COMPOSITION

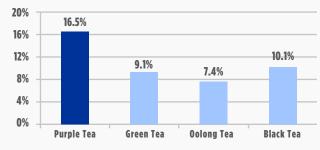
GHG<sup>®</sup>: min 3%

Polyphenols: min 30%

- Rich in polyphenolic compounds including GHG<sup>®</sup>, which has been found to inhibit lipid and fat absorption while also boosting fat metabolism.
- Works to activate AMPK, an enzyme involved in the homeostasis of the energy cell, promoting energy levels and glucose absorption in the skeletal muscle.
- Increases NO production during strength training and improves muscle oxidation.
- Has antioxidant activity significantly higher than green, oolong, and black teas.
- In a double-blind, placebo-controlled, human study, people who took Purple Force saw more leg extension repetitions, more bench press repetitions, decreased bioimpedance, and a stronger will to exercise compared to the placebo group.

## **Polyphenols Content of Dry Tea Leaves**

Upon comparison with common teas (dry leaves) e.g. green tea, black tea and oolong tea, Purple Tea has the highest content of variety of Polyphenols antioxidants.





Oryza Purple Tea Extract Ver1.0 SJ

## **STATUS**











**FUNCTIONS** 



**APPLICATIONS** 







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# CLINICAL RESEARCH BENEFITS

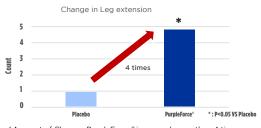
- Promoted improvement in fat metabolism
- Inhibited lipid absorption and fat accumulation
- Relaxed vascular smooth-muscle to improve post-workout recovery
- Helped improve endurance and reduce overall muscle fatigue
- · Promoted stronger desire to exercise and increased energy levels

## **Sports performance Study**

- Study design: Randomized, placebo-controlled, double-blind, crossover study
- 30 healthy and recreationally active men received either 100 mg of PurpleForce or a maltodextrin placebo for an 8-day supplementation, with a 2 week washout period between treatments.

#### **Physical performance**

Evaluate leg extension Day 5 and Day 8

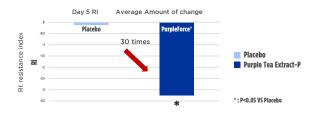


✓ Amount of Change: PurpleForce<sup>®</sup> increased more than 4 times.

#### Effect on Muscle PUMP-UP

Evaluation of the resistance of intracellular and extracellular fluids in the right leg





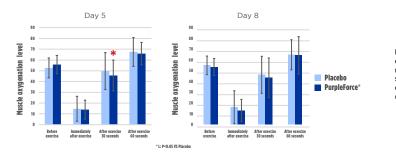
PurpleForce\* group obtained significant difference in RI of intracellular & extracellular fluids on Day 5.
The decrease in intracellular fluid resistance means that a large amount of water was transferred to the intracellular fluid and it is expected to induce a pump.

#### **Muscle Recovery Effect**

#### **Muscle Oxygenation**

Muscle oxygenation level/SmO2 (Leg extension)

Evaluation of muscle oxygen saturation after leg extension on Day 5 and Day 8 (Before exercise and immediately after exercise - after exercise 30 seconds & 60 seconds)



PurpleForce<sup>®</sup> enhance effective oxygen extraction from blood to help improve matching between blood/oxygenation supply & demand. This represents a more efficient metabolic turnover and oxygen delivery to working muscle.

Intake of  $\mathsf{PurpleForce}^{\texttt{\$}}$  supports the improvement of anaerobic exercise!