



ABOUT

Zynamite® is our patent-pending proprietary *Mangifera indica* extract standardized to $\geq 60\%$ mangiferin.

It is a natural ingredient ideal for increasing mental and physical energy.

SCIENTIFIC EVIDENCE

CLINICAL STUDIES ON SPORTS PERFORMANCE COMPOSITIONS:

- Improved mean power output by 5-15% and peak power output by 10-19%
- Improved VO_2 max by 6% and brain oxygenation by 11%
- Enhanced muscle O_2 extraction
- Doping free

CLINICAL STUDIES ON MENTAL ENERGY:

- Enhanced attention and improved reaction time
- Reduced mental fatigue and stress
- No side effects, non addictive

PRE-CLINICAL STUDIES ON MENTAL ENERGY:

- Increased brain activity *in vivo* (EEG)
- Increased long-term potentiation *in vitro*

MECHANISM OF ACTION:

- COMT inhibition

REFERENCES

1. Gelabert-Rebato, M., et al. *Mangifera indica* L. Leaf Extract (Zynamite®) in Combination with Luteolin or Quercetin Enhances VO_2 peak and Peak Power Output, and Preserves Skeletal Muscle Function During Ischemia-Reperfusion in Humans. *Frontiers in Physiology*, 9, 740 (2018).
2. Gelabert-Rebato, M., et al. Enhancement of Exercise Performance by 48 Hours, and 15-Day Supplementation with Mangiferin and Luteolin in Men. *Nutrients*, 11(2), 344 (2019).
3. Dimpfel, W., et al. Zynamite® (*Mangifera indica* leaf extract) and Caffeine Act in a Synergistic Manner on Electrophysiological Parameters of Rat Central Nervous System. *Food and Nutrition Sciences*, 9, 502-518 (2018).
4. Dimpfel, W., et al. Synergy between Mango Leaf Extract (Zynamite®) and Caffeine with Respect to Stimulation of the Central Nervous System in Rats. *Synergy Forum*, 9-10, Bonn, Germany (2018).

KEY BENEFITS

Sports

Mental energy

PRODUCT FEATURES

BOTANICAL ORIGIN

Mangifera indica
(leaves)

BIOACTIVES

Mangiferin $\geq 60\%$

APPEARANCE

Fine, yellow powder

CULTIVATED OR WILD

Cultivated

PACKAGING MATERIAL

25kg

TASTE

Characteristic

SHELF LIFE

2 years

SAFETY & QUALITY

GMO free, BSE/TSE free, doping free, DNA-barcode to identify raw material

PRODUCT CERTIFICATION

Kosher, Halal

RECOMMENDED SERVING

140-200mg once to twice a day

PATENTS

PATENT APPLICATION PCT/EP 2018/084023:

Compositions for enhancing sports performance.

PATENT APPLICATION US 20180021397:

Compositions for enhancing mental energy.

PATENT APPLICATION US 20180193400:

Compositions for reducing craving.

CERTIFICATIONS



nektium
SCIENCE BASED
NATURAL INGREDIENTS

sales@nektium.com

+34 928 734 132

www.nektium.com