

Zynamite® S

THE FUTURE OF MENTAL ENERGY

MENTAL ENERGY

Enhanced mood, reduced fatigue, faster information processing and improved cognitive performance

Zynamite S Fast Facts

- Two new clinical trials
- Low 100 mg dose
- Efficacy as fast as 30 minutes†
- 25% improved information processing†
- 21% improvement in complex task handling†
- 4.7% improvement in selective attention†
- 24.1% improvement in mood†
- 26% reduction in fatigue†
- 30 minutes to significant reduction in tension†

Zynamite® S is a next generation patented, proprietary extract of *Mangifera indica* leaves, standardized to $\geq 60\%$ mangiferin. Two clinical studies on Zynamite S show that it supports core components of “mental energy”: improved cognitive performance, cognitive adaptability, enhanced mood, and reduced fatigue. These results are shown to occur within minutes to hours.

Zynamite S can help meet the growing demand for ingredients that can be formulated in energy, sports, hydration, and multiple-benefit drinks – as well as a range of other contemporary delivery systems. Neutral tasting and water-soluble, Zynamite S is designed for use in applications such as RTDs and shots, RTMs, gummies and sachets - where solubility, neutral taste, heat stability, and transparency in solution are key.

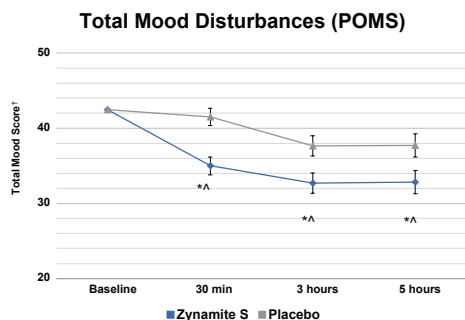


CLINICAL DEMONSTRATION OF MENTAL ENERGY

Zynamite S has been the subject of two clinical studies that examined various aspects of mental energy. In the most recent clinical study, 88 healthy university students were given a single dose of 100 mg Zynamite S or a matching placebo and then assessed three times over a 5-hour period. The study featured a randomized, double-blind, placebo-controlled crossover design with a 7-day washout between testing conditions. Assessments were performed at baseline, 30 minutes, 3 hours, and 5 hours.

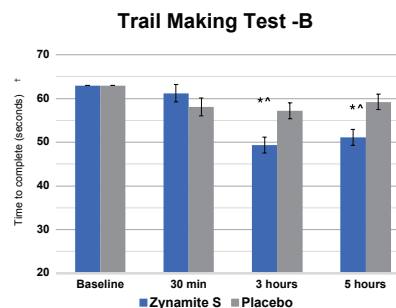
Improved mood starting at 30 minutes

Zynamite subjects experienced improved mood starting at 30 minutes, with a 24.1% improvement in 5 hours in Total Mood Disturbances on the Profile of Mood States (POMS) tests.



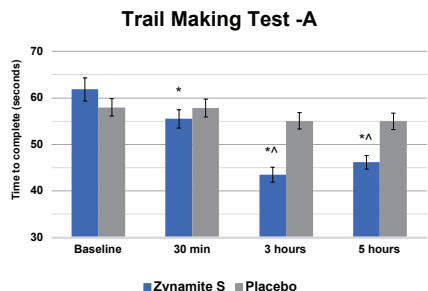
Improved mental flexibility after one dose

Subjects saw a greater than 21.1% improvement in the ability to handle complex tasks, as demonstrated by performance on Trail Making Test B



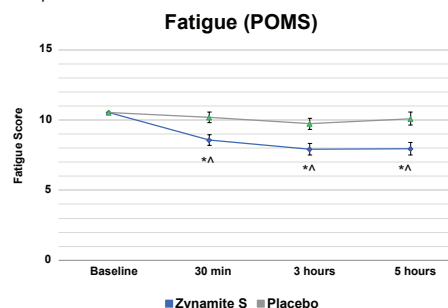
Faster information processing after one dose

A 25.4% improvement in processing speed was demonstrated by performance on Trail Making Test A.



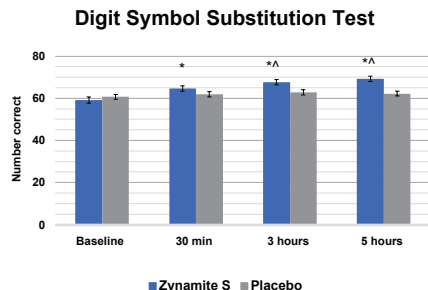
Reduced fatigue in 30 minutes

Subjects taking Zynamite S experienced 26% less fatigue at the earliest measurement point.



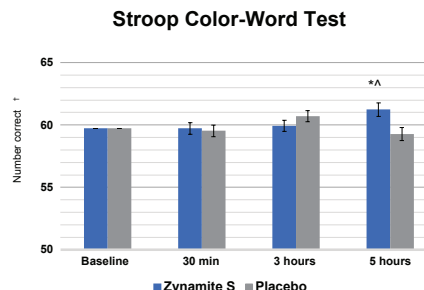
Improved attention and working memory

Subjects taking Zynamite S improved their performance on the Digit Substitution Test by 17% at 5 hours, with significant differences vs. placebo at 3 hours



Improved selective attention

Subjects taking Zynamite S improved 4.7% on the Stroop Color-Word Test



THERE IS ROOM FOR EXPERIENCE IN YOUR FORMULATION. LET US SHOW YOU THE DATA.

Studies on file. Contact us for more information at info@plthealth.com

† THESE STATEMENTS HAVE NOT BEEN EVALUATED BY THE FOOD AND DRUG ADMINISTRATION. THIS PRODUCT IS NOT INTENDED TO DIAGNOSE, TREAT, CURE, OR PREVENT ANY DISEASE.

Contact PLT Health Solutions for samples and more information.

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