# **Suntheanine**®





















# Relax. Focus. Revive.

Suntheanine® is a high-purity, L-isomer form of the amino acid theanine. L-theanine occurs naturally in tea; it is the key component of tea that imparts a sense of relaxation. Suntheanine® is produced via a patented fermentation process that mimics the natural process in green tea leaves, resulting in the L-isomer form of L-Theanine. It has been awarded several US and international patents, and when introduced to the market, this ingredient won several prestigious awards. Suntheanine® has been recognized as one of the most effective ingredients for stress, relaxation and improved quality of sleep. Suntheanine® has also been studied for its benefits on immune health, managing metabolic syndrome, ADHD and has been found to pair well with CBD/Cannabidiol. Its effects can be felt in as little as 30 – 60 minutes.

# Features & Benefits

Suntheanine® has been used in numerous clinical trials as the specific form of L-theanine studied. Structure/function claims are based on Suntheanine® studies

Suntheanine® is an isometrically pure L-isomer Theanine (>98%) and is clean label

Suntheanine® is a white, free-flowing powder, very soluble in water and forms a clear solution that is nearly tasteless

# Formulating with Suntheanine®

With a flexible range of serving sizes, you can incorporate Suntheanine® into your products as the primary ingredient, or as a supporting component of your unique formula.

- Suntheanine® is a powder which can be readily formulated at servings between 50 and 200 mg, either by itself, as a standalone dietary ingredient, or paired with other synergistic ingredients.
- Suntheanine® is easily incorporated into powders, tablets, capsules, softgels, liquids, creams, gummies, lozenges, and other convenient and novel delivery forms.
- Suntheanine® can be labeled as a fermented ingredient, for example: "Suntheanine® enzyme-fermented L-theanine."





# Suntheanine® pairs well with:

- NutriGP® Magnesium for calming, in both adult and children's products
- Sunfiber®, offered exclusively by NutriScience, for gut-brain health
- Adaptogens such as Shoden® (Ashwagandha), offered exclusively by NutriScience
- Other nootropics for enhanced memory and cognition. Include in children's formulas for learning
- Vitamin B12 and/or caffeine for focused energy and formulas for gamers
- Hemp/CBDs for calming, relaxation, and anxiety reduction. Suntheanine® provides the clinical basis for the claims
- Sleep and relaxation ingredients such as melatonin, 5-HTP, and valerian root

# **Applications**

 Dietary Supplements
Functional Foods & Beverages
 Sports Performance Formulations
Animal Health Products
Functional Candies, Gums, Chocolates
 Creams & Topicals

# **Certifications & Quality Assurance**

Non-GMO Project Verified
 FDA GRAS
 Kosher
Halal
Vegan
 Allergen Free
Gluten Free

#### **Clinical Studies**

Suntheanine® has been the subject of over 200 clinical and scientific studies. In human clinical trials, Suntheanine® has been shown to promote an alert state of relaxation without drowsiness, as indicated by an increase in Alpha brain waves, and a decrease in Beta brain waves. These brain effects promote the use of Suntheanine® for:

- Stress
- Cognition & Memory
- Sleep
- Relaxation & Calming
- Energy
- Immune Health
- PMS
- ADHD

#### Structure/Function Claims

Suntheanine® structure/function claims are based on the science (studies and clinical trials) specific to using Suntheanine®.

Improves focus, attention, learning performance and mental clarity

Reduces stress and promotes relaxation without drowsiness

Improves quality of sleep

Reduces negative effects of caffeine

Diminishes normal symptoms of PMS

Promotes focus and concentration

Helps manage metabolic syndrome by blocking fructose absorption

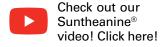
Supports the immune system; for seasonal support

#### Safety

Suntheanine® is safe for human and animal consumption and has been used in supplements, foods and beverages since 1994. Unlike other stress reducing supplements, Suntheanine® does not cause drowsiness.

## Regulatory

Suntheanine® is FDA GRAS (Generally Recognized as Safe) with a Letter of No Objection from the U.S. FDA in 2007. Suntheanine® is approved for use by a number of food authorities including in Canada, Korea and Japan.





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