

## Organic Thaumatin Powder



### What is Thaumatin Powder?

**Organic Thaumatin Powder** is a natural sweet protein extracted from the arils of *Thaumatococcus daniellii* fruit, sustainably wild-harvested from West African rainforests. With **2,000-3,000x the sweetness of sucrose** and a licorice-like aftertaste, it's a revolutionary sugar substitute for clean-label, low-GI, and ketogenic products.



### Key Highlights

### 1. Ultra-Potent Sweetness:

1. **2,000-3,000x Sweeter Than Sugar:** Requires minimal usage (0.1-0.5% by weight).
2. **Zero Calories:** No impact on blood glucose or insulin levels.

### 2. Natural & Clean:

1. **USDA/EU Organic Certified:** Ethically wild-harvested, no synthetic additives.
2. **Non-GMO, Vegan, Halal:** Free from allergens, gluten, and solvents.

### 3. Functional Synergy:

1. **Flavor Modifier:** Masks bitterness in plant proteins, stevia, or caffeine.
2. **Heat & pH Stable:** Retains sweetness in baked goods (up to 120°C) and acidic beverages.

## Specifications

Parameter	Details
Source	<i>Thaumatococcus daniellii</i> fruit arils
Extraction Method	Aqueous extraction, ultrafiltration
Purity	≥95% thaumatin (SDS-PAGE verified)
Appearance	Off-white to light brown powder
Solubility	Fully soluble in water
Sweetness Intensity	2,000-3,000x sucrose (pH-dependent)
Caloric Value	0 kcal/g
Shelf Life	36 months (stored in cool, dry place)

## Key Applications

### • Food & Beverage:

- Sugar-free chocolates, protein bars, and functional beverages.
- Bitterness masking in plant-based milk or green tea extracts.

- **Pharmaceuticals:**

- Pediatric syrups and chewable tablets (improves palatability).

- **Oral Care:**

- Alcohol-free mouthwashes and toothpaste (sweetens without promoting cavities).

- **Synergistic Blends:**

- Combine with stevia or monk fruit to balance aftertaste and reduce usage costs.

## Certifications & Quality Assurance

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- **Organic:** USDA, EU 834/2007, JAS.
- **Non-GMO:** Verified by the Non-GMO Project.
- **Purity:** Heavy metals (Pb <0.1ppm, As <0.05ppm), microbial safety (TPC <1,000 CFU/g).
- **Sustainability:** Wild-harvested under Rainforest Alliance guidelines.

## Why Choose Us?

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- **Ethical Sourcing:** Partnering with West African cooperatives for fair-trade practices.
- **Technical Support:** Free formulation guides for sweetness optimization and cost reduction.
- **Customization:**
  - Blends with erythritol, allulose, or fiber for 1:1 sugar replacement.
  - Instantized versions for ready-to-mix beverages.
- **Global Compliance:** Meets FDA GRAS, EFSA, and FSSC 22000 standards.

## FAQs

## Packing

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