

Organic L-Arabinose Powder



What's Organic L-Arabinose Powder?

Organic L-Arabinose powder is a rare, plant-derived pentose sugar naturally found in **gum arabic, beet pulp, and certain grains**. As a functional carbohydrate, it inhibits sucrose absorption in the gut, making it a revolutionary ingredient for blood sugar management and low-glycemic food innovation.

Our product is **USDA/EU Organic certified**, sourced from sustainable non-GMO crops, and processed without synthetic additives. Ideal for dietary supplements, functional foods, and diabetic-friendly recipes.

Key Highlights:

- **Sucrose Blocker:** Reduces absorption of table sugar by up to 70%.
- **Prebiotic Properties:** Supports gut microbiome balance.
- **Clean Label:** Vegan, gluten-free, and non-allergenic.
- **Low-Calorie:** 1.5 kcal/g (vs. 4 kcal/g for sucrose).

Specifications

Property	Details
Source	Non-GMO corn cob, beet fiber, or gum arabic.
Appearance	White to off-white fine crystalline powder.
Solubility	Highly soluble in water ($\geq 98\%$).
Purity	$\geq 98\%$ L-Arabinose, $\leq 0.5\%$ moisture.
Glycemic Index (GI)	Near-zero impact on blood glucose levels.

Primary Applications:

- **Functional Foods:**
 - Sugar-reduced baked goods, chocolates, and beverages.
 - Synbiotic blends (combined with probiotics like *Bifidobacterium*).
- **Dietary Supplements:**
 - Blood sugar management capsules.
 - Weight loss formulations (blocks carbohydrate conversion to fat).
- **Pharmaceuticals:**
 - Adjuvant therapy for metabolic syndrome and type 2 diabetes.

Key Features & Benefits

- **Organic Certification:** USDA, EU Organic (EC 834/2007).
- **Blood Sugar Control:** Inhibits intestinal sucrase enzyme activity.
- **Weight Management:** Helps reduce fat accumulation from high-sugar diets.
- **Thermostable:** Retains functionality in baked goods and heat-processed foods.
- **Synergistic Use:** Enhances efficacy when paired with probiotics or berberine.

Why Choose Our Organic L-Arabinose Powder?

- **Pure and Organic:** Sourced from high-quality organic plants, ensuring minimal processing and maximum health benefits.
- **Diabetic and Weight Management Friendly:** With zero calories and a low glycemic index, it supports healthier blood sugar levels and weight management.
- **Multi-Purpose:** Suitable for a wide variety of food, beverage, and supplement applications.
- **Reliable and Safe:** Manufactured under strict quality control standards to ensure purity, safety, and efficacy.
- **Sustainable Sourcing:** Produced using eco-friendly methods to meet high environmental standards.

FAQs

Q: How does L-Arabinose block sugar absorption?

A: It competitively inhibits the sucrase enzyme in the small intestine, slowing sucrose breakdown into glucose and fructose.

Q: Is L-Arabinose safe for long-term use?

A: Yes! Clinical studies show safety at doses up to 15g/day. Start with 3-5g per meal.

Q: Can I use L-Arabinose in keto diets?

A: Yes! Its minimal caloric content and lack of glycemic impact align with keto principles.

Q: Does heating destroy L-Arabinose's benefits?

A: No. It remains stable up to 160°C, making it suitable for baking.

Q: How is organic L-Arabinose different from synthetic versions?

A: Organic variants avoid chemical solvents and retain natural co-factors for better bioavailability.

Packing



Want to learn more about this product or have any questions?

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