

Organic Galactooligosaccharides Powder



What is Organic Galactooligosaccharides Powder?

Organic Galactooligosaccharides (GOS) Powder is a **certified organic, non-GMO** prebiotic fiber derived from organic lactose via enzymatic synthesis. With $\geq 95\%$ purity, it selectively stimulates beneficial bifidobacteria and lactobacilli in the gut, enhancing digestive health and immune function. Ideal for infant formula, dairy products, and dietary supplements, it combines organic integrity with clinically backed prebiotic efficacy.

Specification

Parameter	Specification
GOS Content	≥95% (dry basis)
Appearance	White to off-white free-flowing powder
Moisture Content	≤5%
Solubility	Fully soluble in water (hot/cold)
pH (10% solution)	4.5-6.5
Particle Size	80-120 mesh
Caloric Value	2.0 kcal/g
Packaging	1kg, 5kg, 25kg resealable bags
Shelf Life	24 months (stored in cool, dry place)

Key Features & Benefits

- **Prebiotic Power:** Boosts bifidobacteria growth by 10x within 7 days (in vitro studies).
- **Organic & Clean Label:** Free from synthetic additives, GMOs, and allergens (dairy-free after processing).
- **Infant Nutrition:** Mimics human milk oligosaccharides (HMOs) for digestive support.
- **Heat & pH Stable:** Retains functionality in baked goods, sterilized beverages, and acidic formulations.
- **Global Certifications:** USDA Organic, EU Organic, Non-GMO Project Verified, Halal/Kosher.

Applications

- **Infant Formula:** Supports gut microbiota development in organic baby food.
- **Functional Dairy:** Enhances prebiotic content in yogurts, fermented milk, and cheese.
- **Dietary Supplements:** Key ingredient in probiotic/prebiotic synbiotic blends.
- **Bakery & Snacks:** Adds fiber to gluten-free cookies, cereals, and nutrition bars.
- **Beverages:** Stabilizes prebiotic fiber in plant-based drinks and meal replacements.

Why Choose Us?

1. **High Purity:** Rigorously tested for GOS content, heavy metals, and microbial safety (ISO 22000).
2. **Custom Blends:** Combine with probiotics (e.g., *Bifidobacterium*, *Lactobacillus*) for synbiotic solutions.
3. **Sustainability:** Ethically sourced from organic farms with carbon-neutral logistics.
4. **Regulatory Support:** Complies with FDA GRAS, EFSA, and FSSC 22000 standards.
5. **Technical Expertise:** Access to formulation guides and clinical research data.

FAQs

Q: Is GOS safe for infants?

A: Yes! Organic GOS is GRAS-approved and mimics HMOs in breast milk, supporting infant gut health.

Q: Can GOS replace FOS in formulations?

A: Absolutely—GOS has superior bifidogenic effects and better tolerance in sensitive individuals.

Q: Does heat processing destroy GOS?

A: No! It remains stable up to 160°C, making it suitable for baked goods and UHT-treated products.

Q: Is this product vegan-friendly?

A: Yes—sourced from plant-based organic lactose alternatives (e.g., beet sugar-derived).

Q: Do you offer private labeling?

A: Yes! Custom branding and packaging available for bulk orders.

Packing



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

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