

Organic Mannan Oligosaccharide Powder



What is Organic Mannan Oligosaccharide Powder?

Organic Mannan Oligosaccharide Powder is meticulously produced from 100% pure, organically cultivated yeast cell walls. Through a precise extraction and purification process, the naturally occurring mannan oligosaccharides are isolated, resulting in a fine, free-flowing powder. The organic certification ensures that the source materials are cultivated without synthetic pesticides, herbicides, or genetically modified organisms, aligning with the strictest clean-label and natural ingredient standards.

Mannan oligosaccharides (MOS) are a type of prebiotic fiber that are not digested by human enzymes. Instead, they act as a selective food source for beneficial bacteria in the gut, promoting a healthy microbiome. Beyond their prebiotic effects, MOS are also recognized for their ability to bind to undesirable bacteria, helping to prevent their adhesion to the gut lining and supporting overall gut integrity and immune response. With a neutral taste and excellent solubility, our **Organic MOS Powder** is an ideal functional ingredient for a wide array of applications, providing significant value to health-conscious product formulations.

Specification

Attribute	Details
Common Names	Mannan Oligosaccharide Powder, MOS Powder
Source	100% Organic Yeast Cell Walls (<i>Saccharomyces cerevisiae</i>)
Processing	Extraction, purification, drying
Appearance	Fine, off-white to light beige powder
Flavor	Neutral, slightly sweet
MOS Content	Typically 60-70% (or customized to specification)
Solubility	Good, disperses well in water
Moisture Content	Max 6%
Bulk Density	0.40-0.60 g/cm ³
Particle Size	Fine powder, designed for easy blending
Microbiological Purity	Meets international food safety standards
Heavy Metals	Low levels, compliant with international regulations
Key Characteristics	Prebiotic, gut health support, immune modulation, non-GMO, allergen-free

Key Features

Highly Stable: Maintains its beneficial properties under various processing conditions, ensuring efficacy in diverse applications.

Powerful Prebiotic Fiber: Selectively feeds beneficial gut bacteria (e.g., Bifidobacteria, Lactobacilli), promoting a balanced and healthy gut microbiome.

Supports Digestive Health: Aids in nutrient absorption and promotes healthy bowel function by fostering a thriving gut environment.

Enhances Immune Function: Recognized for its immunomodulatory effects, helping to strengthen the body's natural defenses through gut-immune axis interaction.

Binds Undesirable Bacteria: MOS can bind to pathogens, potentially preventing their colonization in the gut and facilitating their removal.

Neutral Flavor Profile: Possesses a very mild, neutral taste, allowing for seamless integration into various formulations without altering the desired flavor of the end product.

Excellent Solubility: Dissolves effectively in liquids, making it suitable for beverages and powdered mixes.

Organic & Clean Label: Certified organic, ensuring the raw material is cultivated without synthetic pesticides, herbicides, or GMOs, meeting the highest standards for clean and transparent ingredients.

Applications

Our **Organic Mannan Oligosaccharide Powder** is a highly versatile functional ingredient for a multitude of B2B applications across the nutraceutical, food, and beverage industries:

- **Nutraceuticals & Dietary Supplements:**

- Formulations for gut health supplements, probiotic blends, and standalone prebiotic products.
- Immune support supplements and functional health blends.
- Used in capsules, tablets, or powdered mixes.

- **Functional Foods & Beverages:**

- Fortifies yogurts, fermented dairy, and plant-based dairy alternatives (milks, kefirs) with prebiotic benefits.
- Incorporated into functional beverages, smoothies, and juices for gut health.
- Used in protein bars, snack bars, and cereals to enhance fiber and prebiotic content.
- Baked goods (e.g., breads, muffins) for functional benefits.

- **Infant Formulas & Early Life Nutrition:**

- As a crucial prebiotic component in infant formulas and children's nutritional products to support developing gut flora.

- **Pet Food & Animal Nutrition:**

- A valuable ingredient in premium pet foods and animal feed supplements to support digestive health and immunity in animals.

Why Choose Our Organic Mannan Oligosaccharide Powder for Your Business?

Partnering with us for your **Organic Mannan Oligosaccharide Powder** needs ensures a cutting-edge, high-demand ingredient that aligns with major consumer trends for gut and immune health:

- **Guaranteed Organic Certification:** Our MOS powder adheres to stringent organic standards, vital for your clean-label and premium product lines.
- **Proven Prebiotic Efficacy:** Offers scientifically recognized benefits for selectively nourishing beneficial gut bacteria and supporting overall well-being.
- **Superior Quality & Purity:** Our meticulous extraction and purification processes ensure a reliable, pure, and safe product batch after batch, meeting rigorous international food safety standards.
- **Versatile & Functional:** Its neutral taste and good solubility make it highly adaptable to a vast array of formulations without compromising sensory attributes.
- **Robust & Scalable Supply Chain:** As a dedicated B2B supplier, we offer dependable sourcing and the capacity to meet your production demands, from small to bulk orders, efficiently and consistently.
- **Comprehensive Technical Support:** Our team provides detailed data sheets, Certificates of Analysis (CoAs), and expert guidance to support your product development, labeling, and regulatory compliance needs.

FAQs

Q: What is Mannan Oligosaccharide (MOS) and how does it benefit gut health?

A: **Mannan Oligosaccharide (MOS)** is a type of prebiotic fiber derived from yeast cell walls. It functions by selectively feeding beneficial bacteria in the gut, promoting their growth and activity. This helps improve gut microbiome balance, supports digestive function, and contributes to a stronger immune system by inhibiting the adhesion of harmful bacteria.

Q: Is Organic Mannan Oligosaccharide Powder considered an allergen?

A: While derived from yeast, **Organic Mannan Oligosaccharide Powder** is generally considered **non-allergenic** and is distinct from common allergens like gluten, dairy, soy, and nuts. However, specific allergen declarations should always be confirmed based on your regional regulations and product formulation.

Q: What is the typical shelf life and recommended storage for bulk quantities?

A: Our **Organic Mannan Oligosaccharide Powder** typically has a shelf life of **24-36 months** from the manufacturing date when stored in a cool, dry place (below 75°F/24°C), away from direct sunlight and moisture, in its original sealed, airtight packaging.

Q: Can Organic MOS Powder be used in both food and beverage applications?

A: Yes, its neutral taste and good solubility make **Organic MOS Powder** highly versatile for use in a wide range of applications, including solid foods (e.g., bars, cereals), powdered mixes (e.g., supplements, protein powders), and various beverages.

Q: How does Organic Mannan Oligosaccharide Powder compare to other prebiotics like FOS or GOS?

A: While FOS (Fructooligosaccharides) and GOS (Galactooligosaccharides) are also well-known prebiotics, **MOS** offers unique benefits, particularly its ability to selectively bind to pathogens and modulate the immune system more directly, in addition to its prebiotic effects. The choice depends on the specific functional benefits targeted in the final product.

Packing

