

TECHNICAL DATA SHEET

Yeast Cell Wall

Feed Grade Functional Additive for Animal Nutrition and Aquaculture Feed

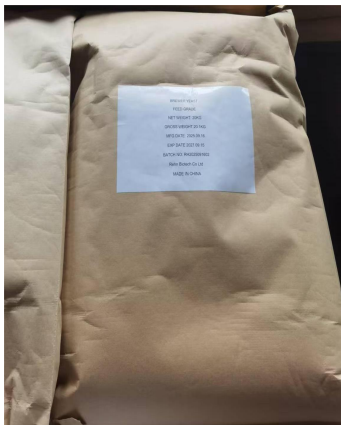
Product Description

Yeast Cell Wall is a feed grade functional ingredient derived from selected *Saccharomyces cerevisiae* yeast through controlled fermentation, separation, and drying processes. It is naturally rich in beta-glucans and mannan-oligosaccharides, and is widely used in compound feed, premixes, and aquaculture feed to support intestinal health, immune response, and stable animal performance. As a non-antibiotic nutritional additive, Yeast Cell Wall is suitable for poultry, swine, ruminants, pets, and aquatic species. It can help nutritionists design feed programs focused on gut resilience, feed efficiency, and performance stability under intensive production conditions. The product is easy to blend with common feed ingredients and can be used together with organic acids, enzymes, probiotics, plant extracts, minerals, and vitamin premixes according to formulation objectives.

1. Product Identification

Items	Standard
Product Name	Yeast Cell Wall
Botanical / Microbial Source	<i>Saccharomyces cerevisiae</i>
Main Active Components	Beta-glucans and mannan-oligosaccharides
HS Code	210220
Appearance	Light yellow to brownish yellow powder
Odor	Characteristic yeast odor
Primary Function	Functional feed additive for gut health, immunity support, and feed application

UNIT:MT	Covered the pallets	Without pallets
20°FCL	15	20
40°FCL	28	28



2. Typical Specification

Analysis contents	Analysis standard
Appearance	Light Grey to brown
Content	≥41%
Moisture	≤9.0%
Beta glucan	≥25.0%
Mos	≥15.0%
Ash	≤8.0%
As, mg/kg	≤2.0
Pb, mg/kg	≤2.0
Salmonella	Negative
Total bacterial count CFU/g(ml)≤	50000

3. Applications and Benefits

Support for intestinal health and gut barrier function

Yeast Cell Wall is used in feed as a natural source of beta-glucans and mannan-oligosaccharides, which are valued for supporting intestinal health and normal digestive function. In young animals and aquatic species, the digestive tract is often challenged by diet changes, stocking density, pathogens, and environmental stress. By helping maintain a balanced intestinal environment, Yeast Cell Wall supports gut barrier integrity, nutrient absorption, and digestive comfort as part of a complete nutrition program. It is especially useful in starter feed, stress-period feed, and functional aquafeed where stable digestion is a key objective. When combined with high-quality proteins, energy ingredients, minerals, vitamins, enzymes, probiotics, and good farm management, the product helps build feed programs focused on resilience and consistent performance.

Immune support and performance stability in livestock feed

In poultry, swine, and ruminant nutrition, Yeast Cell Wall can be incorporated into premixes, concentrates, and complete feed to support immune readiness and stable production performance. Beta-glucans are commonly used in functional feed programs because they are associated with natural immune modulation, while mannan-rich components help support a favorable microbial balance in the digestive tract. This makes the product suitable for formulas used during weaning, transportation, feed transition, heat stress, and other periods of production pressure. A healthier digestive and immune system helps animals maintain feed intake and nutrient utilization. Yeast Cell Wall can be used together with organic acids, toxin binders, enzymes, phyto-genic additives, probiotics, and mineral premixes according to formulation targets and local feed regulations.

Application in aquaculture feed for fish and shrimp

Yeast Cell Wall is widely used in aquaculture feed for fish and shrimp, where intestinal health, immunity, and feed efficiency are essential for stable growth. Aquatic animals are continuously exposed to water quality fluctuation, microbial pressure, high stocking density, and dietary changes. Functional ingredients such as Yeast Cell Wall help nutritionists formulate feeds that support gut condition, immune response, and robustness under intensive farming conditions. It can be applied in extruded floating feed, sinking pellets, and shrimp feed when properly mixed and processed. For aquafeed production, attention should be paid to particle size, mixing uniformity, heat stability, and compatibility with binders, oils, enzymes, minerals, and vitamins. Proper use helps maintain consistent distribution and reliable performance in the final feed.

Feed formulation flexibility and non-antibiotic nutrition strategy

As a yeast-derived functional ingredient, Yeast Cell Wall offers practical formulation flexibility for feed programs that aim to reduce nutritional stress and support animal health without relying solely on antibiotic growth promoters. It is compatible with many common feed raw materials and can be included in poultry, swine, ruminant, pet, and aquaculture formulations. The product provides functional fiber components and yeast bioactive fractions that help enhance feed value beyond basic nutrient supply. It is easy to store, handle, and blend in premixes or complete feed. To ensure consistent quality, the product should be evenly distributed during mixing and protected from moisture during storage. Clean production conditions, suitable packaging, and quality control are important for maintaining stable performance in finished feed.

4. Packaging, Storage, and Shelf Life

Standard packaging: 20 kg or 25 kg net kraft paper bag with PE liner, aluminum foil bag, or according to customer requirement.

Storage: Keep tightly closed in a cool, dry, clean, and well-ventilated warehouse. Avoid moisture, heat, direct sunlight, strong oxidizing agents, and contamination with odorous or incompatible materials.

Shelf life: 24 months from production date under recommended storage conditions in original unopened packaging.

5. Handling and Safety

Avoid inhalation of dust during handling. Use appropriate ventilation, dust mask, gloves, and eye protection where necessary. Wash hands after use and follow good industrial hygiene practices. The product is intended for feed use only and should be handled according to local feed safety regulations and the customer's quality management system.