

# TECHNICAL DATA SHEET

## Brewer's Yeast

*Feed Grade Nutritional Yeast Ingredient for Livestock and Aquaculture Feed*

### Product Description

Brewer's Yeast is a feed-grade yeast ingredient obtained from *Saccharomyces cerevisiae* fermentation and processed into a fine powder for use in compound feed, premixes, and aquaculture diets. It provides natural protein, amino acids, B-complex vitamins, nucleotides, minerals, and yeast-derived functional components. In feed formulation, Brewer's Yeast is valued as a palatable nutritional ingredient that supports feed intake, digestive function, and overall animal performance. It is suitable for poultry, swine, ruminant, pet food, and aquatic feed applications, especially where high digestibility, natural nutrition, and stable feed quality are required.

### 1. Product Identification

Items	Description
Product Name	Brewer's Yeast
Common Name	Dried Brewer's Yeast / Feed Yeast
Source	<i>Saccharomyces cerevisiae</i> fermentation
Grade	Feed Grade
Appearance	White to yellow powder
HS Code	210220
Primary Function	Nutritional yeast ingredient for protein, palatability, and digestive support

UNIT:MT	Covered the pallets	Without pallets
40'FCL	15	21
20'FCL	28	28



## 2. Typical Specification

Items	Standard
Appearance	White to yellow
Moisture, %	≤ 8.0
Crude Protein, %	≥ 40.0
Ash, %	≤ 8.0
Arsenic (As), mg/kg	≤ 2.0
Lead (Pb), mg/kg	≤ 2.0
Salmonella	Negative
Total bacterial count, CFU/g	≤ 100,000

## 3. Applications and Benefits

### Natural protein and amino acid source for feed formulation

Brewer's Yeast can be used as a natural protein ingredient in poultry, swine, ruminant, pet food, and aquaculture formulas. It provides crude protein, amino acids, nucleotides, B-complex vitamins, and trace nutritional factors derived from yeast fermentation. These nutrients help support balanced diet design, especially in formulas where palatability and digestibility are important. Compared with some conventional plant proteins, yeast protein has good nutritional value and can help improve the diversity of protein sources in feed. It may be used in premixes, concentrates, complete feed, and functional feed products. When combined with soybean meal, fish meal, cereal proteins, minerals, and vitamins, Brewer's Yeast gives formulators a flexible ingredient for supporting steady feed intake and daily nutritional supply.

### Application in aquaculture feed for fish and shrimp

In aquaculture feed, Brewer's Yeast is used for fish and shrimp diets where digestive support, feed intake, and robustness are important. Aquatic animals are often exposed to changes in water quality, feeding density, and microbial pressure, so a balanced feed formula should provide nutrients that are easy to digest and suitable for long-term feeding. Brewer's Yeast contributes natural protein, nucleotides, vitamins, and yeast-derived components that can help maintain intestinal condition and improve feed palatability. It can be applied in extruded floating feed, sinking pellets, and shrimp feed when properly mixed and processed. Attention should be paid to particle size, mixing uniformity, moisture control, and compatibility with heat treatment to maintain stable quality in finished aquafeed.

### **Palatability and digestive support in livestock feed**

Brewer's Yeast is valued in livestock feed because of its natural aroma, palatability, and nutritional contribution. In young animals, lactating animals, and high-performance feeding programs, maintaining feed intake and digestive stability is an important formulation target. Yeast-derived ingredients may help support a favorable digestive environment and nutrient utilization as part of a balanced diet. Brewer's Yeast can be used in starter feed, grower feed, sow feed, dairy feed, and functional premixes. It is compatible with acidifiers, enzymes, probiotics, organic minerals, and plant extracts according to the feed strategy. Proper inclusion in formulas helps nutritionists create diets focused on steady intake, practical nutrient supply, and stable animal performance under intensive production conditions.

### **Functional nutrition and formulation flexibility**

Brewer's Yeast offers formulation flexibility for feed mills and premix producers seeking a natural nutritional ingredient with broad animal application. It can help enrich formulas with yeast protein, B vitamins, nucleotides, and fermentation-derived components while also improving the marketing profile of functional feed products. The product is easy to blend with common feed raw materials and can be used in powder premixes, pelleted feed, mash feed, and aquaculture pellets. For best performance, it should be evenly distributed during mixing and protected from excessive moisture, heat, and contamination during storage. Clean processing conditions, suitable packaging, and quality control are important to ensure consistent product performance in finished feed and premix applications.

## **4. 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.