

## Bacillus licheniformis Powder (feed grade)

Cat. No. PRBT-102

Lot. No. (See product label)

### Introduction

**Description** Bacillus licheniformis is a Gram-positive, partially anaerobic bacillus that is widely used in feed, agriculture, and industrial fermentation due to its excellent enzyme secretion ability, resistance, and environmental adaptability. It is capable of producing a variety of bioactive substances and beneficial metabolites, which play an important role in enhancing animal health, improving soil fertility and degrading organic waste.

**Applications** 1. Completed feed addition, feed additive addition, premix addition. 2. The production of biological organic fertilizer, fermentation organic fertilizer. 3. All kinds of sea, fresh water seedling pool and breeding pool. 4. Urban sewage and landscape water treatment, kitchen waste and livestock waste treatment.

### Product Information

**Appearance** Powder or liquid

**Function** 1. Application effect in feed additive . 1.1 Maintain the balance of gastrointestinal microecology: A variety of antibacterial substances can be produced in the growth and metabolism process, which has a strong antagonistic effect on Staphylococcus, Candida albicans and so on. 1.2 Growth promotion: Bacillus licheniformis for animal feed produces a variety of active enzymes, such as protease, amylase, lipase, cellulase, etc., but also produce a variety of enzyme promoting factors, enhance the activity of animal digestive enzymes, promote the growth of cultured animals, improve feed utilization rate. 1.3 Regulate immunity: Feed additive bacillus licheniformis can enhance the body's specific and non-specific immune response, promote the phagocytic activity of macrophages, improve the ability to fight infection. 2. Application effect in agriculture. 2.1 Improve soil aggregate structure and micro-ecological environment, promote organic matter decomposition, and increase soil nutrients; Activate soil and improve soil fertility. 2.2 This agriculture bacillus licheniformis rapidly propagates into the dominant colony, controls the root nutrition and resources, inhibits the reproduction of the pathogen in the soil and the invasion of the plant root, kills the harmful bacteria, and improves the crop resistance. 2.3 Promote root growth, promote photosynthesis of crop leaves, improve fruit setting rate and yield rate. 2.4 Improve the product quality, enhance the taste of crops. 3. Application effect in aquaculture. 3.1 Purification of water quality: the effective removal of more than 90% of the ammonia nitrogen, nitroso nitrogen in the pool water, decomposition of toxic and harmful substances, reduce biological oxygen consumption and chemical oxygen demand. 3.2 Optimize the breeding environment: The aquaculture bacillus licheniform reduces the concentration of harmful gases in the house and reduce the emission of pathogens.

### Usage and Packaging

**Package** 25kg/bag or 25kg/drum

### Storage and Shipping Information

**Storage** Store in a ventilated, cool, dry place for up to 12 months.