

Feed Neutral Protease

Cat. No. FNPG-001

Lot. No. (See product label)

Introduction

Description

Feed Neutral Protease is a hydrolase for protein hydrolysis in feed. It breaks down macromolecular proteins into smaller peptides, amino acids, and other products to support protein absorption, nutrient utilization, and feed digestibility.

Applications

Hydrolyzes proteins in feed and accelerates protein degradation in the intestinal tract. Supplements insufficient endogenous digestive enzymes in young animals and may reduce the risk of diarrhea. Improves feed nutrient utilization and supports animal production performance.

Product Information

Appearance

Brown powder

Form

Powder

pH Stability

Relatively high activity at pH 6.0–7.5.

Optimum pH

7.2

Thermal stability

After mixing with feed and treatment at 75–95°C for 5 minutes, enzyme activity remains relatively high at 85°C; conventional feed pelleting has minimal impact on performance.

Function

Hydrolyzes large protein molecules into smaller peptides, amino acids, and related products.

Substrates

Proteins in feed.

Notes

After opening, reseal unused product securely to prevent loss of active components.

Usage

Add 10–15 g per metric ton of complete feed. Dosage may be adjusted according to specific feed formulation requirements.

Storage and Shipping Information

Storage

Protect from light and store at low temperature in a dry, well-ventilated environment. Under cool, dry conditions in original sealed packaging, shelf life is 12 months.