Creative Enzymes®

Feed Xylanase (Type L)

Cat. No. FXLG-001

Lot. No. (See product label)

Introduction

Description	Feed Xylanase (Type L) is produced by submerged liquid fermentation of Trichoderma reesei followed by downstream processing. It degrades xylan in feed, improving utilization of nutrients in feed raw materials, supporting greater use of unconventional plant-based feed ingredients, reducing feed costs, enhancing animal production performance, and reducing environmental pollution associated with animal excretion.
Applications	Degrades non-starch polysaccharides in feed, reducing digesta viscosity in the gastrointestinal tract. Disrupts plant cell walls to release nutrients and improve nutrient digestibility. Enhances feed metabolizable energy, reduces formulation costs, and improves feed product quality. Xylo-oligosaccharides produced by xylanase hydrolysis promote beneficial intestinal bacteria and help regulate gut microecological balance. Reduces fecal discharge.

Product Information

Species	Trichoderma reesei
Source	Submerged liquid fermentation
Appearance	Light yellow powder
Form	Powder
pH Stability	Relatively high activity across pH 3.0-7.5.
Optimum pH	5.0
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 processes have minimal impact on performance.
Function	Degrades xylan and other non-starch polysaccharides in feed, helping reduce gastrointestinal digesta viscosity and improve nutrient release.
Substrates	Xylan; non-starch polysaccharides in feed
Reaction	Xylan hydrolysis produces xylo-oligosaccharides.
Advantages	Relatively high activity across pH 3.0-7.5. Good stability under high-temperature feed-processing conditions. Supports nutrient utilization and feed quality while reducing digesta viscosity.
Usage	Recommended dosage: 60-120 g per metric ton of complete feed. Adjust the dosage according to specific feed formulation requirements.

Storage and Shipping Information

Storage	Protect from light and store at low temperature in a dry, well-ventilated

Storage	Protect from light and store at low temperature in a dry, well-ventilated environment during transportation and storage. Keep in the original sealed packaging under cool, dry conditions.