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TECHNICAL DATA SHEET

TDS-ENZ135-EN · REV. 02 · 2026-11-03

Xylanase Enzyme Animal Nutrition

Xylanase preparation that degrades non-starch polysaccharides in grain-based poultry and swine feed.

SKU **ENZ135** CATEGORY **XYLANASE** CAS **9025-57-4** GRADE **FEED GRADE** OTHER NAMES **XYLANASE**

Produced by submerged fermentation

Not restricted for transport

ACTIVITY RANGE	WORKING TEMPERATURE	OPTIMUM PH	SHELF LIFE
15,000–180,000 u/g	**30-95°C**	**4.0-6.0**	**12 months**
per product grade, as stated in specifications	no optimum stated	stable range 3.0-7.5	sealed, see storage below

SPECIFICATION

IDENTITY	
Appearance	Powder Typical
Colour	White to light yellow Typical
Odour	Slight fermentation odour Typical

ACTIVITY	
Activity	**15,000 u/g~180,000 u/g** Typical
Activity unit	1 unit releases 1 µmol reducing sugar (xylose) per min from 5 mg/ml xylan at 37°C and pH5.5 Typical

WORKING WINDOW	
Temperature	30-95°C Typical
Optimum pH	4.0-6.0 Typical
Stable pH	3.0-7.5 Typical

Spec = release limit, confirmed on every lot's Certificate of Analysis. **Typical** = normal product behaviour, not a release limit.

STORAGE & PACKAGING

SHELF LIFE
12 months

STORAGE
Keep sealed in a dry and cool place and avoid direct sunlight.

PACK SIZE
1 kg / bag

ORDERING
Online or by e-mail; current price on the product page

APPLICATIONS

Add to complete feed for poultry and swine diets.
Degrades xylan and NSP in grain-based feed.

Reduce chyme viscosity in animal gastrointestinal tracts.
Improves nutrient absorption and feed utilization.

Disrupt plant cell structure in feed materials.
Releases nutritional substances from plant cells.

Support endogenous enzyme activity in animals.
Boosts digestibility of nutrients.

DOSAGE

60 ~ 120 g/MT at ≥15,000 u/g

g per metric ton of complete feed, by declared activity

Used for	**complete feed**
≥15,000 u/g	**60 ~ 120 g/MT**
≥90,000 u/g	**10 ~ 20 g/MT**
≥180,000 u/g	**5 ~ 10 g/MT**

Select the rate that matches the declared activity of the product.

Each lot is released against its specification; the lot Certificate of Analysis reports the measured values.

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Online: enzymes.bio/product/xylanase-enzyme-animal-nutrition

Enzyme preparations are proteins that may induce sensitization and cause allergic types of symptoms in susceptible individuals. This technical data sheet gives the product specification and typical values; it is not a batch certificate. A Certificate of Analysis for the supplied lot accompanies each shipment. Safety Data Sheet on request.

SCAN TO ORDER