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TECHNICAL DATA SHEET

TDS-ENZ055-EN · REV. 02 · 2026-11-03

Lipase Enzyme ≥20,000u/g

Feed-grade lipase preparation for improving fat digestibility in poultry and swine diets.

SKU **ENZ055** CATEGORY **ENZYMES FOR ANIMAL FEED** CAS **232-619-9** EINECS **9001-62-1** GRADE **FEED GRADE**

Produced by submerged fermentation · Not restricted for transport · GMO-free

DECLARED ACTIVITY	WORKING TEMPERATURE	OPTIMUM PH	SHELF LIFE
≥20,000 u/g	**30-95°C**	**6.0-8.0**	**12 months**
as stated on the product page	no optimum stated	stable 3.5-8.0	sealed, see storage below

SPECIFICATION

IDENTITY	
Colour	White to light yellow Typical
Odour	Slight fermentation odour Typical
ACTIVITY	
Enzyme activity	**≥ 20,000 U/g** Spec
Activity	**10,000u/g ~ 100,000u/g** Typical
Activity unit	1 unit releases 1 µmol titratable fatty acid in 1 min at 40°C and pH7.5 Typical
WORKING WINDOW	
Temperature range	30-95°C Typical
Stable pH range	3.5-8.0 Typical
Optimum pH	6.0-8.0 Typical
PHYSICAL	
Appearance	**Light green powder** Spec
Loss on drying	≤ 8.0 % Spec
PURITY AND HYGIENE	
Heavy metals	< 30 mg/kg Spec
Arsenic (As)	< 2.0 mg/kg Spec
Lead (Pb)	< 2.0 mg/kg Spec
Total plate count	≤ 10,000 CFU/g Spec

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
Improves fat digestibility and energy efficiency of fat feed

Add to feed for weaned pigs, piglets and laying hens
Speeds growth and supports laying performance

Add to feed for dairy cows
Increases milk yield

Add to feed for aquatic livestock and ruminants
Complements endogenous digestive enzymes and supports nutrient absorption

DOSAGE

100~200 g/MT

g per metric tonne of complete feed, for piglets at ≥10,000 u/g

Used for	Complete feed
Piglet, ≥10,000 u/g	**100~200 g/MT**
Piglet, ≥20,000 u/g	**50-100 g/MT**
Piglet, ≥100,000 u/g	**10-20 g/MT**
Fattening pig and sow, ≥10,000 u/g	**150 g/MT**
Fattening pig and sow, ≥20,000 u/g	**80~100 g/MT**
Fattening pig and sow, ≥100,000 u/g	**15 g/MT**
Layer, ≥10,000 u/g	**200 g/MT**
Layer, ≥20,000 u/g	**100 g/MT**
Layer, ≥100,000 u/g	**20 g/MT**
Meat duck, ≥10,000 u/g	**200 g/MT**
Meat duck, ≥20,000 u/g	**100 g/MT**
Meat duck, ≥100,000 u/g	**20 g/MT**

Dilute the product before use.

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

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Online: enzymes.bio/product/livestock-feed-enzymes-lipase-enzyme-%e2%89%a520000u-g-cas-232-619-9

Enzyme preparations are proteins that may induce sensitization; avoid direct skin contact and consult a doctor if irritation develops. 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