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TECHNICAL DATA SHEET

TDS-ENZ117-EN · REV. 02 · 2026-11-03

Thermostable Phytase Enzyme For Animal Feed

Feed grade thermostable and acid-resistant phytase produced from Aspergillus niger fermentation.

SKU **ENZ117** CATEGORY **ENZYMES FOR ANIMAL FEED** ENZYME CLASS **EC 3.1.3.26** CAS **37288-11-2**

GRADE **FEED GRADE**

Produced by submerged fermentation

Not restricted for transport

DECLARED ACTIVITY	WORKING TEMPERATURE	OPTIMUM PH	SHELF LIFE
5,000u/g; 10,000u/g	**30-120°C**	**3.5**	**12 months**
two declared activity grades, as stated on the product page	no optimum stated	range pH 2.5 to 5.5	sealed, see storage below

SPECIFICATION

IDENTITY		
Appearance	White or Yellowish powder	Typical
Odour	Normal fermentation odour	Typical
Enzyme class	EC 3.1.3.26	Typical
ACTIVITY		
Declared activity	**5,000u/g; 10,000u/g**	Typical
WORKING WINDOW		
Working temperature	30-120°C	Typical
Optimum pH	3.5 (range 2.5 to 5.5)	Typical
Stable pH range	1.0-7.0	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
Cool, dry, ventilated place; avoid damp and insolation

PACK SIZE
1 kg / bag; attributes also list 25kgs/bag

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

APPLICATIONS

Add to complete feed for poultry and swine.
Liberates inorganic phosphate from phytic acid.

Hydrolyse phytate in plant-based feed materials.
Increases phosphorus utilisation of feed raw materials.

Reduce inorganic phosphorus addition in feed.
Lowers feed cost and phosphorus pollution to the environment.

DOSAGE

150 g/MT

per metric tonne of complete feed

Product activity	**≥5000 u/g**
Species and stage	**Swine 20-35 kg**
Feed type	**Complete feed**

Use 75 g/MT with the ≥10,000 u/g product.
Other rates: 120 g/MT swine above 35 kg; 200 g/MT poultry whole period.

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

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Online: enzymes.bio/product/thermostable-phytase-enzyme-for-animal-feed-cas37288112

Enzyme preparations are proteins and may sensitise; avoid skin, eye and inhalation contact. 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