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TECHNICAL DATA SHEET

TDS-ENZ213-EN · REV. 02 · 2026-11-03

Phytase Enzyme For Poultry Feed

Feed phytase that releases phytate-bound phosphorus to reduce inorganic phosphate supplementation.

SKU **ENZ213** 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

ACTIVITY RANGE	WORKING TEMPERATURE	OPTIMUM PH	SHELF LIFE
3,000~25,000u/g	**30-85°C**	**4.0-6.0**	**12 months**
Thermostable Phytase, as stated on the product page	no optimum stated	stable range pH 3.5-7.0	sealed, see storage below

SPECIFICATION

IDENTITY	
Enzyme class	EC 3.1.3.26 Typical
Source organism	Aspergillus niger Typical
ACTIVITY	
Activity range	**3,000~25,000u/g** Typical
WORKING WINDOW	
Temperature	30-85°C Typical
pH	Stable 3.5-7.0, optimum 4.0-6.0 Typical
PHYSICAL	
Appearance	Powder Typical
Colour	White or Yellowish Typical
Odour	Normal fermentation odour 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
Store in a cool, dry, and ventilated place; avoid damp and insolation.

PACK SIZE
1 kg / bag

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

APPLICATIONS

Add to complete feed for swine, broilers, layers and meat ducks
Hydrolyses phytic acid to raise phosphorus utilization of feed raw materials.

Reduce inorganic phosphorus addition in feed formulations
Saves feed cost and formulation space.

Improve nutrient release from grains and oil seeds
Releases starch, protein and mineral elements from the phytate frame.

DOSAGE

100 g/MT at ≥5000 u/g (swine, broiler, meat duck)

g per metric tonne of complete feed, by declared activity

Swine, ≥5000 u/g	**100 g/MT**
Swine, ≥10,000 u/g	**55 g/MT**

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

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Online: enzymes.bio/product/phytase-enzyme-for-poultry-feed-livestock-ruminant-animals-feed-enzymes

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