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TECHNICAL DATA SHEET

TDS-ENZ210-EN · REV. 02 · 2026-11-03

Thermostable Phytase

Thermostable phytase enzyme for poultry feed that releases phytate phosphorus in broiler and layer diets.

SKU **ENZ210** CATEGORY **ENZYMES FOR ANIMAL FEED** ENZYME CLASS **EC 3.1.3.26** CAS **37288-11-2**

OTHER NAME **PHYTASE PREMIER I**

Produced by submerged fermentation

Not restricted for transport

DECLARED ACTIVITY	WORKING TEMPERATURE	OPTIMUM PH	FORM
5,000u/g	**30-120°C**	**2.5-5.5**	**Powder**
as stated on the product page	no optimum stated	stable range 1.0-7.0	white or yellowish; packed 25kgs/bag

SPECIFICATION

IDENTITY		
Appearance	Powder	Typical
Colour	White or Yellowish	Typical
Odour	Normal fermentation odour	Typical
ACTIVITY		
Declared activity	**5,000u/g**	Typical
WORKING WINDOW		
Temperature range	30-120°C	Typical
Optimum pH	2.5-5.5	Typical
Stable pH range	1.0-7.0	Typical
Protease tolerance	Tolerant to pepsin and trypsin	Typical
PHYSICAL		
Single gross weight	1.15 KG	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
Not stated

PACK SIZE
25kgs/bag

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

APPLICATIONS

Add to poultry feed to release phytate phosphorus.
Breaks down phytic acid into digestible phosphorus

Use in swine feed to liberate inorganic phosphate.
Improves nutritive value of phytic acid

Use in poultry and swine diets to release calcium and other nutrients.
Makes digestible calcium and other nutrients available

Use in feed to reduce phosphorus release to the environment.
Lowers phosphorus pollution from animal manure

DOSAGE

Determine by trial

no application rate stated on the product page

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-enzymes-in-poultry-feed

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