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TECHNICAL DATA SHEET

TDS-ENZ211-EN · REV. 02 · 2026-11-03

Mannanase Enzyme For Poultry Feed

Feed grade beta-mannanase that breaks down soy mannans to improve energy digestibility.

SKU **ENZ211** CATEGORY **ENZYMES FOR ANIMAL FEED** ENZYME CLASS **EC 3.2.1.78** GRADE **FEED GRADE**

ORGANISM **BACILLUS LENTUS**

Produced by submerged fermentation

Not restricted for transport

DECLARED ACTIVITY	WORKING TEMPERATURE	OPTIMUM PH	SHELF LIFE
3,000–25,000 u/g	**30–85 °C**	**4.0–6.0**	**12 months**
range stated in the specification table	no optimum stated	stable range pH 3.5–7.0	sealed, see storage below

SPECIFICATION

IDENTITY	
Appearance	Powder Typical
Colour	Light yellow Typical
Odour	Slight fermentation odour Typical
ACTIVITY	
Activity	**3,000–25,000 u/g** Typical
WORKING WINDOW	
Temperature	30–85 °C Typical
pH	Stable 3.5–7.0; optimum 4.0–6.0 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
Keep sealed in a dry and cool place and avoid direct sunlight.

PACK SIZE
1 kg/bag; 25 kgs/bag

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

APPLICATIONS

Degrade mannan in soybean, palm kernel and sesame meal feeds
Reduces chyme viscosity and releases nutrients for digestion.

Add to completed poultry and pig feed
Improves feed utilization and animal growth performance.

Support gut microflora balance with mannose oligosaccharides
Mannose oligosaccharides produced improve intestinal microflora.

Reduce nutrients in animal excrement
Improves animal house environmental sanitation.

DOSAGE

15~30 g/MT at ≥3,000 u/g

grams per metric tonne of completed feed, by declared activity

Activity ≥3,000 u/g	**15~30 g/MT**
Activity ≥10,000 u/g	**3~8 g/MT**
Activity ≥25,000 u/g	**2~4 g/MT**

Used for completed feed.
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/mannanase-enzyme-for-poultry-feed-pig-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