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TECHNICAL DATA SHEET

TDS-ENZ214-EN · REV. 02 · 2026-11-03

Mannanase Enzyme For Animal Feed Additives ≥10000u/g

Feed grade beta-mannanase additive for viscosity reduction in soy and palm kernel-based diets.

SKU **ENZ214** CATEGORY **ENZYMES FOR ANIMAL FEED** ENZYME CLASS **EC 3.2.1.78**

PRODUCTION **SUBMERGED FERMENTATION OF BACILLUS LENTUS**

Produced by submerged fermentation

Not restricted for transport

DECLARED ACTIVITY	WORKING TEMPERATURE	OPTIMUM PH	SHELF LIFE
10,000 U/g	**30-85°C**	**4.0-6.0**	**12 months**
as stated on the product page	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 u/g~25,000 u/g** Typical
Activity unit	Hydrolyses 3 mg/ml mannan to 1 µmol reducing sugar (mannose basis) in 1 min at 37°C and pH 5.5 Typical
Declared activity	10,000 U/g Typical

WORKING WINDOW	
Temperature	30-85°C Typical
pH stable range	3.5-7.0 Typical
pH 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

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

APPLICATIONS

Add to soybean meal and palm kernel meal diets
Degrades mannan that raises chyme viscosity

Add to sesame meal-based completed feed
Removes anti-nutritional effects of mannan

Feed to animals as a feed additive
Improves feed utilization and growth performance

Apply in animal diets to support gut microflora balance
Produces mannose oligosaccharides that support microflora

DOSAGE

3~8 g/MT of completed feed

per tonne (MT) of completed feed, for ≥10,000 u/g grade

Substrate	**Completed feed**
Other grades	**≥3,000 u/g: 15~30 g/MT; ≥25,000 u/g: 2~4 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/mannanase-enzyme-for-animal-feed-additives-%e2%89%a510000u-g

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