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TECHNICAL DATA SHEET

TDS-ENZ073-EN · REV. 02 · 2026-11-03

Mannanase Digestive Enzyme - Viscosity Reduction Enzyme

Mannanase preparation that breaks down beta-mannans in soy and palm kernel meal to improve feed energy utilization.

SKU **ENZ073** 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
3,000 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	
Enzyme	β-mannanase Typical
Enzyme class	EC 3.2.1.78 Typical
ACTIVITY	
Declared activity	**3,000 u/g** Typical
PHYSICAL	
Appearance	Yellowish powder Typical
Odour	Normal fermentation odour Typical
WORKING WINDOW	
Temperature	30-85°C Typical
Optimum pH	4.0-6.0 Typical
Stable pH range	3.5-7.0 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

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

APPLICATIONS

Add to complete feed based on soybean, palm kernel or sesame meal
Degrades mannan and removes its anti-nutritional effects

Improve nutrient release from plant cell walls in feed
Increases nutrient digestion and utilization

Reduce chyme viscosity in the animal digestive tract
Promotes nutrient digestion and absorption in the intestine

DOSAGE

15~30 g/MT of complete feed

grams per metric ton (MT) of complete feed, set by declared activity

Used for	**Complete feed**
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**

Rate depends on the declared activity of the product.

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-digestive-enzyme-viscosity-reduction-enzyme

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