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TECHNICAL DATA SHEET

TDS-ENZ085-EN · REV. 02 · 2026-11-03

β-Mannanase Enzyme

Beta-mannanase feed enzyme that reduces digesta viscosity in soy and palm kernel diets.

SKU **ENZ085** CATEGORY **ENZYMES FOR ANIMAL FEED** ENZYME CLASS **EC 3.2.1.78** EINECS **37288-54-3**

GRADE **FEED GRADE**

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 3.5-7.0	sealed, see storage below

SPECIFICATION

IDENTITY	
Enzyme class	EC 3.2.1.78 Typical
Other names	beta-Mannase Typical
EINECS number	37288-54-3 Typical
ACTIVITY	
Declared activity	**≥10,000 u/g** Typical
PHYSICAL	
Appearance	Yellowish powder Typical
Odour	Normal fermentation odour Typical
WORKING WINDOW	
Temperature range	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
Store in a 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 containing soybean, palm kernel or sesame meal.
Degrades mannan and lowers digesta viscosity.

Degrade mannan in feed ingredients.
Removes the anti-nutritional effect of mannan and raises feed digestibility.

Break down the cell wall structure of botanical feed.
Releases nutrients for digestion and absorption.

Reduce viscosity of intestinal chyme.
Improves digestion and absorption of nutrients.

DOSAGE

3~8 g/MT

per tonne of complete feed, for product at ≥10,000 u/g

Use	**Complete feed**
Activity	**≥10,000 u/g**

Other grades: ≥3,000 u/g at 15~30 g/MT; ≥25,000 u/g at 2~4 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/%ce%b2-mannanase-enzyme-promote-the-digestive-function-of-animals

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