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TECHNICAL DATA SHEET

TDS-ENZ146-EN · REV. 02 · 2026-11-03

Feed Enzyme Dextranase Livestock Beta-glucanase

Beta-glucanase feed enzyme for livestock that degrades beta-glucan in barley and oat-based diets.

SKU **ENZ146** CATEGORY **BETA-GLUCANASE** EINECS **263-462-4** TYPE **FEED GRADE ENZYME**

APPEARANCE **WHITE OR YELLOWISH POWDER**

Produced by submerged fermentation

Not restricted for transport

DECLARED ACTIVITY	WORKING TEMPERATURE	OPTIMUM PH	SHELF LIFE
10000~50000 u/g	**30-85°C**	**4.0-6.0**	**12 months**
as stated in Enzyme Activity section	no optimum stated	stable range 3.5-7.0	sealed, see storage below

SPECIFICATION

IDENTITY		
Appearance	White or yellowish powder	Typical
Odour	Normal fermentation odour	Typical
ACTIVITY		
Declared activity	**10000~50000 u/g**	Typical
WORKING WINDOW		
Temperature range	30-85°C	Typical
Stable pH range	3.5-7.0	Typical
Optimum pH	**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
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

Degrade beta-glucan in barley and oat-based diets
Improves nutrient absorption and feed efficiency

Break cell wall structure in feed ingredients
Releases nutrients and promotes their uptake and utilization

Eliminate anti-nutritional factors in the intestinal tract
Reduces chyme viscosity and improves animal performance

Degrade mannan in palm kernel, soybean and sesame meal
Generates functional mannan-oligosaccharides and mannose

DOSAGE

100 g/MT or 20 g/MT

per tonne of complete feed, set by declared activity

Feed type	**Complete feed**
Activity ≥10,000 u/g	**100 g/MT**
Activity ≥25,000 u/g	**20 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/feed-enzyme-dextranase-livestock-beta-glucanase-%ce%b2-mannanase

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