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TECHNICAL DATA SHEET

TDS-ENZ101-EN · REV. 02 · 2026-11-03

Keratinase Enzyme For Animal Feed Preparation

Keratinase from Aspergillus niger that hydrolyses keratin proteins in feather meal for animal feed.

SKU **ENZ101** CATEGORY **ENZYMES FOR ANIMAL FEED** CAS **9014-01-1** EINECS **232-752-2**

PRODUCTION ORGANISM **ASPERGILLUS NIGER**

Produced by submerged fermentation · Not restricted for transport · GMO-free

DECLARED ACTIVITY	WORKING TEMPERATURE	WORKING PH	SHELF LIFE
100,000 u/g	**30-70°C**	**6.0-13.0**	**12 months**
as stated on the product page	no optimum stated	no optimum stated	sealed, see storage below

SPECIFICATION

IDENTITY		
Production organism	Aspergillus niger Typical	
Physical form	Powder Typical	
Colour	Light yellow to brown Typical	

ACTIVITY		
Enzyme activity	**≥ 100,000 U/g** Spec	

PHYSICAL		
Appearance	**Light yellow or off-white powder** Spec	
Loss on drying	≤ 8.0 % Spec	
Odour	Normal microbial fermentation odour Typical	

WORKING WINDOW		
Temperature	30-70°C Typical	
pH	6.0-13.0 Typical	

PURITY AND HYGIENE		
Heavy metals	≤ 20 mg/kg Spec	
Arsenic (As)	≤ 2.0 mg/kg Spec	
Lead (Pb)	≤ 2.0 mg/kg Spec	
Total plate count	≤ 10,000 CFU/g Spec	

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

Hydrolyse feather meal keratin into smaller peptides and amino acids.
Improves amino acid digestibility for livestock.

Degrade protein sources that resist normal digestion in feed.
Improves utilization of specific protein sources.

Supplement digestive enzymes in young animals.
Supports growth of young animals.

Process fermented soybean meal.
Generates more smaller peptides with better palatability.

Boost protein utilization in animal feed.
Reduces nitrogen excretion in manure.

DOSAGE

13-26g per ton of feedstuff

per ton of feedstuff

Substrate **Feedstuff**

Optimize the rate for each application, raw material specifications, product expectation and processing parameters.

Each lot is released against its specification; the lot Certificate of Analysis reports the measured values.

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Online: enzymes.bio/product/keratinase-enzyme-for-animal-feed-preparation-cas-9014-01-1

Enzyme preparations are proteins that may induce sensitization; prolonged contact may cause minor irritation, so avoid skin 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