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TECHNICAL DATA SHEET

TDS-ENZ104-EN · REV. 02 · 2026-11-03

Feed Grade Keratinase Enzymes Powder

Feed grade keratinase enzyme powder for feather meal processing.

SKU **ENZ104** CATEGORY **ENZYMES FOR ANIMAL FEED** GRADE **FEED GRADE** ACTIVE INGREDIENT **KERATINASE**

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

DECLARED ACTIVITY	OPTIMUM TEMPERATURE	OPTIMUM PH	SHELF LIFE
100,000 U/g, 200,000 U/g	**60°C**	**11**	**12 months**
two activity levels listed	range 50-60°C	range 10.5-11.5; valid pH range 6.0-12	sealed, see storage below

SPECIFICATION

IDENTITY		
Active ingredient	Keratinase	Typical
ACTIVITY		
Enzyme activity	**≥ 100,000 U/g**	Spec
PHYSICAL		
Appearance	**Light yellow or off-white powder**	Spec
Loss on drying	≤ 8.0 %	Spec
Odor and taste	Characteristic	Typical
Moisture	≤4%	Typical
Ash content	≤5%	Typical
WORKING WINDOW		
Optimum pH	11 (10.5-11.5)	Typical
Valid pH range	6.0-12	Typical
Optimum temperature	60°C (50-60)	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
Placed in a cool and dry place, avoid light and high temperature

PACK SIZE
1 kg / bag

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

APPLICATIONS

Add to feed formulas containing feather meal
Improves amino acid availability from keratin-rich feed

Hydrolyse feather meal, soybean meal and blood plasma powder
Develops new feedstuffs

Lower the protein application rate in feed formula
Increases protein digestibility in animal feed

Supplement endo-protease for animals
Compensates for endo-protease deficiency

DOSAGE

Determine by trial

no application rate stated on the product page

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-grade-keratinase-enzymes-powder

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