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TECHNICAL DATA SHEET

TDS-ENZ366-EN · REV. 02 · 2026-11-03

Industrial Keratinase Powder

Solid alkaline serine protease powder for degrading keratin and other proteins.

SKU **ENZ366** CATEGORY **KERATINASE** ENZYME CLASS **ALKALINE SERINE PROTEASE** CAS **9074-09-3**

GRADE **INDUSTRIAL GRADE**

Industrial grade · Produced by submerged fermentation · Not restricted for transport

DECLARED ACTIVITY	WORKING TEMPERATURE	WORKING PH	SHELF LIFE
200,000 U/g	**30–70 °C**	**6.0–13.0**	**12 months**
high enzyme activity, as stated on the product page	effective temperature range; no optimum stated	effective pH range; no optimum stated	sealed, see storage below

SPECIFICATION

IDENTITY

Form	Solid powder Typical
Appearance	Light yellow to brown powder Typical

ACTIVITY

Enzyme activity	**200,000 U/g** Typical

WORKING WINDOW

Effective temperature range	30°C – 70°C Typical
Effective pH range	6.0 – 13.0 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 place

PACK SIZE
1 kg per bag, sealed aluminum foil bag

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

APPLICATIONS

Leather industry
Dehair leather and process keratin fibers enzymatically.

Cosmetics industry
Exfoliate keratin in skincare and cosmetic formulations.

Detergents
Remove protein-based stains in detergent formulations.

Feather and wool hydrolysis
Break down feathers and wool into protein hydrolysates.

Feed industry
Improve protein digestibility and nutrient use in livestock and poultry feed.

DOSAGE

13–26 g per ton

per ton, full feed basis

Basis **full feed basis**

Application rate may vary depending on formulation and process conditions.

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

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Online: enzymes.bio/product/industrial-keratinase-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