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TECHNICAL DATA SHEET

TDS-ENZ333-EN · REV. 02 · 2026-11-03

Neutral Protease Industrial Grade Enzyme Preparation

Industrial-grade solid neutral protease preparation with an activity of 60,000 U/g.

SKU **ENZ333** CATEGORY **NEUTRAL PROTEASE** CAS **9040-76-0** GRADE **INDUSTRIAL GRADE** FORM **SOLID POWDER**

Industrial grade

Not restricted for transport

DECLARED ACTIVITY	WORKING TEMPERATURE	WORKING PH	SHELF LIFE
60,000 U/g	**30°C – 60°C**	**5.0 – 8.5**	**12 months**
as stated on the product page	no optimum stated	no optimum stated	sealed, see storage below

SPECIFICATION

IDENTITY	
Product name	Neutral Protease Typical
Appearance	Light yellow to light brown powder Typical
ACTIVITY	
Enzyme activity	**60,000 U/g** Typical
PHYSICAL	
Fineness (40-mesh standard sieve passing rate)	≥ 80% Typical
Loss on drying	≤ 8.0% Typical
Physicochemical properties	Slight fermentation odor, no abnormal odor, no caking, no moisture absorption Typical
WORKING WINDOW	
Operating temperature range	30°C – 60°C Typical
Effective pH range	5.0 – 8.5 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
Stable in storage; no caking or moisture absorption reported

PACK SIZE
1 kg/bag, sealed food-grade aluminum foil bag

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

APPLICATIONS

Depilate and soften hides and skins in leather processing
Removes non-structural proteins and loosens collagen fibre structures

Improve softness, fullness and hand feel of finished leather
Removes impurities and surface contaminants for smoother surfaces

Break down keratin and protein components in cosmetic formulations
Assists controlled breakdown and gentle exfoliation effects

Hydrolyse protein macromolecules into peptides and amino acids
Enables controlled protein degradation under mild reaction conditions

DOSAGE

0.1 – 5 kg per ton
per ton of raw material

Operating temperature	**30°C – 60°C**
Effective pH	**5.0 – 8.5**

Actual usage levels may be adjusted to formulation, processing requirements and application objectives.

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

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Online: enzymes.bio/product/neutral-protease-industrial-grade-enzyme-preparation

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