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TECHNICAL DATA SHEET

TDS-ENZ176-EN · REV. 02 · 2026-11-03

Alkaline Endo-proteases For Leather Industry

Alkaline endo-protease powder for leather liming, bating and dehairing.

SKU **ENZ176** CATEGORY **ALKALINE PROTEASE** FORM **WHITE POWDER** USAGE **LEATHER AUXILIARY AGENT** GRADE **INDUSTRIAL**

Industrial grade

Not restricted for transport

OPTIMUM PH	SHELF LIFE	FORM	DOSAGE ON COWHIDE
10-12	**12 months**	**White powder**	**0.05%-0.08%**
working range pH 8.0-12.0	sealed, see storage below	slight fermentation odour	% on pelt weight, in liming

SPECIFICATION

IDENTITY

Product type	**Alkaline endo-protease** Typical
Classification	Chemical Auxiliary Agent Typical

PHYSICAL

Appearance	**White powder** Typical
Odour	Slight fermentation odour Typical
Stability	Fine Typical

WORKING WINDOW

pH range	8.0-12.0 Typical
Optimum pH	**10-12** 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 dry and cool place; avoid wetness, rain and sunshine, which reduce activity

PACK SIZE
1 kg / bag; other package standards possible on customer requirement

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

APPLICATIONS

Remove hide hair smoothly in liming without affecting the grain
Dehairing with the hide structure kept intact

Combine with sulphide or similar chemicals and lime in liming
Works together with other chemical agents

Reduce sulphide and lime use down to 50% in liming
Same liming time maintained

Shorten the liming time
No loss of quality

Clear the grain of the pelt
Higher flexibility and leather yield; flat grain on finished leather

DOSAGE

0.05%-0.08% for cowhide

% on pelt weight (% on Pelt Wt); rate differs by pelt type

Cowhide	**0.05%-0.08%**
Pig skin	**0.08%-0.12%**
Goat skin	**0.05%-0.08%**
Sheep skin	**0.03%-0.07%**
Addition point	**Liming**

Application rates differ according to various pelts and applications.
Run an appropriate test before practical use to match production conditions.

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

enzymes.bio · Level 1, 6 Johnsonville Road, Wellington 6037, New Zealand · **Tel (USA) +1 (507) 428-6057** · wholesale@enzymes.bio

Online: enzymes.bio/product/alkaline-endo-proteases-for-leather-industry

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