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TECHNICAL DATA SHEET

TDS-ENZ119-EN · REV. 02 · 2026-11-03

Trypsin Leather Softener

Trypsin-based bating enzyme for softening hides and skins in leather processing.

SKU **ENZ119** CATEGORY **LEATHER PROCESSING ENZYMES** CAS **9040-76-0** EINECS **232-642-4**

FORM **WHITE POWDER**

Not restricted for transport

SHELF LIFE	FORM	PRODUCT PH	PACK SIZE
12 months	**White powder**	**7.0-9.0**	**1 kg / bag**
sealed, see storage below	slight fermentation odour	specification value, no optimum stated	keep sealed, dry and cool

SPECIFICATION

IDENTITY	
Main component	**High purity trypsin as the main component of the complex enzyme** Typical

PHYSICAL	
Appearance	White powder Typical
Odour	Slight fermentation odour Typical
Stability	Good Typical

WORKING WINDOW	
pH	**7.0-9.0** Typical
Suited operations	All tanning operations on the acid side, such as pickling, acid bating, wet-blue reconditioning 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
Keep sealed in a dry and cool place and avoid direct sunlight; slight sedimentation is acceptable and does not impact performance

PACK SIZE
1 kg / bag

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

APPLICATIONS

Soften leather in hide and skin processing.
Gives better pliability and fullness of the leather.

Remove non-fibrous proteins and dissoluble proteins from hides and skins.
Prepares the pelt for subsequent handling.

Loosen collagen fibrils during bating.
Gives balanced and stable performance in bating.

Apply in pickling, acid bating and wet-blue reconditioning.
Suits all tanning operations on the acid side.

Treat cattle, sheep and pigskin leather types.
Improves grain surface with clearness and smoothness.

DOSAGE

0.30%-1.50%

% on pelt weight, depending on leather type

Cattle sofa leather	**0.80%-1.20%, 90-180 minutes**
Cattle car seat leather	**0.60%-1.00%, 60-120 minutes**
Sheep garment leather	**0.30%-1.00%, 90-120 minutes**
Pigskin inner leather	**0.60%-1.00%, 90-180 minutes**
Pigskin garment leather	**0.60%-1.50%, 180-300 minutes**

Optimize the application rate for each application, raw material, product expectation and processing parameters. Begin the test with a convenient volume.

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

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Online: enzymes.bio/product/leather-processing-enzyme-trypsin-leather-softener

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