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TECHNICAL DATA SHEET

TDS-ENZ105-EN · REV. 02 · 2026-11-03

Xylanase Enzyme Powder, Enzymatic Activity 10000u/g

Xylanase powder with 10,000 U/g declared activity, a hemicellulose-degrading enzyme for brewing, feed and paper.

SKU **ENZ105** CATEGORY **XYLANASE** CAS **9025-57-4** GRADE **FOOD & INDUSTRIAL** APPEARANCE **WHITE POWDER**

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

DECLARED ACTIVITY	WORKING TEMPERATURE	WORKING PH	SHELF LIFE
10000u/g	**40°C–60°C**	**3.5–6.0**	**12 months**
as stated on the product page	no optimum stated	no optimum stated	sealed, see storage below

SPECIFICATION

IDENTITY	
Active ingredient	Xylanase Typical
CAS number	9025-57-4 Typical
Appearance	White Powder Typical

ACTIVITY	
Enzyme activity	**≥ 10,000 U/g** Spec
Antibacterial activity	**Not detected** Spec
Enzymatic activity	**10000u/g** Typical

WORKING WINDOW	
Application pH range	3.5–6.0 Typical
Suitable temperature range	40°C–60°C Typical
Heat tolerance	Withstands high-temperature granulation for several minutes Typical

PURITY AND HYGIENE	
Lead (Pb)	≤ 5.0 mg/kg Spec
Total arsenic (as As)	≤ 3.0 mg/kg Spec
Total plate count	≤ 50,000 CFU/g Spec
Coliforms	≤ 30 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
Store in a cool and dry place, keep away from strong light and heat.

PACK SIZE
Bottle, bag or aluminum foil bag; 1 kg / bag

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

APPLICATIONS

Brewing
Decomposes cell walls and β-glucans, reducing mash viscosity and releasing effective substances.

Animal feed
Degrades non-starch polysaccharides into smaller xylo-oligosaccharides, improving nutrient utilization.

Paper pulp bleaching
Removes redeposited xylan and releases trapped lignin, increasing bleaching rate.

Papermaking, food and textile processing
Serves as a general processing enzyme in these industries.

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/xylanase-enzyme-powder-enzymatic-activity-10000u-g-cas-9025-57-4

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