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TECHNICAL DATA SHEET

TDS-ENZ299-EN · REV. 02 · 2026-11-03

Acid Cellulase for Tobacco Processing

Cellulase preparation that partly hydrolyzes tobacco leaf cellulose into water-soluble sugars.

SKU **ENZ299** CATEGORY **CELLULASE** ENZYME TYPE **ACID CELLULASE** GRADE **FOOD GRADE**

Not restricted for transport

OPTIMUM TEMPERATURE	OPTIMUM PH	APPLICATION RATE	SHELF LIFE
40°C–80°C	**3.0–7.0**	**0.5–1 kg**	**12 months**
optimal range as stated on the product page	optimal pH range as stated on the product page	enzyme preparation, as stated on the product page	sealed, see storage below

SPECIFICATION

IDENTITY

Product	Acid cellulase enzyme preparation Typical
Form	Solid, food-grade enzyme powder Typical

WORKING WINDOW

Optimal temperature	**40°C–80°C** Typical
Optimal pH range	**3.0–7.0** Typical

PHYSICAL

Packaging	1 kg/bag Typical
Shelf life	12 months 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, well-ventilated area; avoid direct sunlight and moisture; close packaging tightly after each use

PACK SIZE
1 kg/bag

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

APPLICATIONS

Soften and condition tobacco leaves.
Improves leaf softness and flexibility.

Hydrolyze cellulose in cured tobacco.
Enhances aroma and sweetness.

Reduce cellulose-related harshness and bitterness.
Lowers harsh smoke and bitter notes.

Blend and reconstitute tobacco sheet.
Improves blend uniformity and sheet manufacturing.

DOSAGE

0.5–1 kg

enzyme preparation; batch quantity basis not stated

Substrate	**Flue-cured, burley or reconstituted tobacco**
Temperature	**40°C–80°C**
pH	**3.0–7.0**

Applied to flue-cured, burley or reconstituted tobacco.

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

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Online: enzymes.bio/product/acid-cellulase-for-tobacco-processing

Handle with care to prevent dust formation and inhalation; avoid skin and eye contact and rinse thoroughly with water if contact occurs. 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