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TECHNICAL DATA SHEET

TDS-ENZ346-EN · REV. 02 · 2026-11-03

Mannanase Enzyme Powder for Detergent Applications

Mannanase enzyme powder for detergent formulations that hydrolyzes mannan-based soils and food residues.

SKU **ENZ346** CATEGORY **DETERGENT ENZYMES** FORM **POWDER**

TARGET SUBSTRATE **MANNAN-BASED POLYSACCHARIDES**

Industrial grade · Not restricted for transport

DECLARED ACTIVITY	WORKING TEMPERATURE	WORKING PH	FORM
100,000 U/g	**25–80 °C**	**4.0–7.5**	**Powder**
as stated on the product page	no optimum stated	no optimum stated	off-white, supplied in 1 kg/bag

SPECIFICATION

IDENTITY	
Form	Powder Typical
Appearance	Off-white powder Typical
ACTIVITY	
Enzyme Activity	**100,000 U/g** Typical
PHYSICAL	
Odor	Mild fermentation-like odor Typical
WORKING WINDOW	
Effective temperature range	25–80 °C Typical
Effective pH range	4.0–7.5 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
Tightly sealed container in a cool, dry environment, away from direct sunlight and moisture

PACK SIZE
1 kg/bag

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

APPLICATIONS

Remove mannan-based stains from fabrics in laundry.
Breaks down guar gum and mannan-rich soils.

Use in powder detergents, liquid detergents and other washing formulations.
Supports stain removal across these formulations.

Combine with protease, amylase, lipase and cellulase.
Builds multi-enzyme cleaning systems.

Apply in low-temperature and standard wash cycles.
Works across a broad operating range.

Clean food residues, plant thickeners and household soils.
Hydrolyzes mannan-based polysaccharides into smaller sugars.

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/mannanase-enzyme-powder-for-detergent-applications

Avoid unnecessary inhalation of dust and direct contact with skin or eyes; rinse thoroughly with clean water after 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