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TECHNICAL DATA SHEET

TDS-ENZ255-EN · REV. 02 · 2026-11-03

Multipurpose Complex Enzyme Granules

Five-enzyme granule for household laundry powders, solid dishwashing blocks and commercial laundry.

SKU **ENZ255** CATEGORY **DETERGENT ENZYMES** ENZYME CLASS **MULTI-ENZYME BLEND**

GRADE **INDUSTRIAL, NOT FOR FOOD USE**

Phosphate-free, biodegradable

Not restricted for transport

ENZYMES IN THE BLEND	WORKING TEMPERATURE	WORKING PH	DOSAGE
5	**20–60 °C**	**7.0–11.0**	**0.3–1.0 %**
protease, lipase, amylase, cellulase, mannanase	wash-liquor range; no optimum published	wash-liquor range	w/w of finished detergent

SPECIFICATION

COMPOSITION

Enzyme system	**Alkaline protease, alkaline lipase, alkaline amylase, cellulase, mannanase**
Soils addressed	Protein (milk, blood, gravy, sweat), fat and oil, starch, plant polysaccharides
Activity per enzyme	Not stated on this sheet; reported per lot on the Certificate of Analysis

PHYSICAL

Appearance	**Light yellow granules** Typical
Odour	Slight fermentation odour Typical
Form	Free-flowing granules, dispersible in the wash liquor Typical

WORKING WINDOW

Temperature	**20–60 °C** Typical
pH	**7.0–11.0** Typical

FORMULATION COMPATIBILITY

Suitable formats	Laundry powders, solid dishwashing blocks, commercial laundry detergents
Bleach and surfactant compatibility	Not stated; confirm by formulation trial

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, 2–25 °C; keep the container sealed

PACK SIZE
1 kg foil bag

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

APPLICATIONS

Household laundry powders
Removes food, sweat and protein stains; keeps colour brightness and fabric softness.

Hotel and commercial laundry
Washes linens, uniforms and towels in hotel, hospital and restaurant laundries.

Solid dishwashing blocks
Breaks down milk, starch, oil and sauce residues.

Fabric care
Cellulase removes micro-pilling from cotton under mild alkaline conditions and reduces greying over repeated washes.

DOSAGE

0.3–1.0 % w/w
of total finished-detergent weight

Wash liquor	**pH 7.0–11.0, 20–60 °C**
Adjust for	**water hardness, washing conditions, formulation type**
Commercial laundry	**upper end of the range for deep cleaning**

Confirm the rate by wash trial on the target soils and fabrics.

Each lot is released against the lot specification; the Certificate of Analysis reports the enzyme activities measured.

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Online: enzymes.bio/product/multipurpose-complex-enzyme-granules-for-detergent-and-commercial-laundry

Contains active enzyme proteins; avoid dust inhalation and skin or eye contact, use protective equipment when handling. 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