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TECHNICAL DATA SHEET

TDS-ENZ304-EN · REV. 02 · 2026-11-03

Multi-Enzyme Complex Granules (Industrial Grade)

Pre-blended granules with protease, amylase and lipase for stain removal in detergent manufacturing.

SKU **ENZ304** CATEGORY **DETERGENT ENZYMES** GRADE **INDUSTRIAL GRADE** FORM **GRANULES**

CATEGORY **DETERGENT ENZYMES**

Industrial grade Not restricted for transport

WORKING TEMPERATURE	WORKING PH	SHELF LIFE	APPLICATION RATE
20–60 °C	**7.0–11.0**	**12 months**	**0.1–0.3%**
no optimum stated	no optimum stated	sealed, see storage below	of total detergent formulation

SPECIFICATION

IDENTITY

Appearance	Light brown granular solid Typical
Form	Free-flowing granules, easy to blend with detergent base materials Typical

WORKING WINDOW

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

COMPOSITION

Enzyme components	Alkaline protease, alkaline amylase, pectinase and other synergistic components 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
Store in a cool, dry environment below 25°C

PACK SIZE
1 kg/bag (aluminum foil bag packaging)

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

APPLICATIONS

Formulate industrial and commercial laundry detergents
Breaks down protein, starch and pectin-based stains

Formulate household washing powders and liquids
Decomposes blood, milk, fruit juice, sauces, starch and grease soils

Add to pre-soak and stain removal agents
Supports removal of protein, starch and fruit-based stains

Include in textile and fabric care formulations
Helps preserve fiber strength, softness, and color vibrancy

DOSAGE

0.1–0.3%
of the total detergent formulation

Addition — **Single additive or in combination with other detergent enzymes**

Depends on the specific system and performance requirements.

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

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Online: enzymes.bio/product/multi-enzyme-complex-granules-industrial-grade

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