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TECHNICAL DATA SHEET

TDS-ENZ223-EN · REV. 02 · 2026-11-03

Oxidative Bleaching Enzyme For Low Temperature Washing

Cold-active bleach enzyme that removes color stains at 20-40°C for low-temperature laundry processes.

SKU **ENZ223** CATEGORY **DETERGENT ENZYMES** USAGE **DETERGENT AUXILIARIES** APPEARANCE **BROWN LIQUID**

CATEGORY **DETERGENT ENZYMES**

Produced by submerged fermentation

Not restricted for transport

DECLARED ACTIVITY	WORKING TEMPERATURE	WORKING PH	SHELF LIFE
10,000u/g	**25°C-60°C**	**pH 6.0-10.0**	**12 months**
as stated on the product page	no optimum stated; wide working range	no optimum stated; wide working range	sealed, see storage below

SPECIFICATION

IDENTITY

Appearance	Light brown Typical
Odor	Slight fermentation smell Typical
Physical form	Liquid Typical

ACTIVITY

Declared activity	**10,000u/g** Typical

WORKING WINDOW

Working pH	6.0-10.0 Typical
Working temperature	25°C-60°C 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
Keep sealed in a dry and cool place and avoid direct sunlight

PACK SIZE
1 kg / bag

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

APPLICATIONS

Remove starch stains from laundry
Starch is broken down into water-soluble dextrin and glucose

Reduce use of caustic soda and sodium tripolyphosphate
Milder washing conditions with less fabric damage

Wash at low temperature in energy-saving laundry processes
Cold-active bleaching of color stains

DOSAGE

0.15-0.5%

Recommended application rate as stated on the product page

Addition point — **Mix with a small amount of detergent first, before further processing**

The optimal application rate must be adapted to the exact cleaning purpose.

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

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Online: enzymes.bio/product/oxidative-bleaching-enzyme-for-low-temperature-washing

Enzyme preparations are proteins that may induce sensitization and cause allergic-type symptoms in susceptible individuals. 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