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TECHNICAL DATA SHEET

TDS-ENZ318-EN · REV. 02 · 2026-11-03

Industrial-Grade Alkaline Lipase

Liquid alkaline lipase that hydrolyses fats and oils for detergent and industrial cleaning formulations.

SKU **ENZ318** CATEGORY **DETERGENT ENZYMES** GRADE **INDUSTRIAL GRADE** FORM **DARK BROWN, CLEAR LIQUID**

Industrial grade

Not restricted for transport

RECOMMENDED APPLICATION RATE	WORKING TEMPERATURE	WORKING PH	SHELF LIFE
0.2% – 1%	**25 – 95°C**	**6.5 – 9.5**	**12 months**
of the detergent formula	optimum not stated; recommended working range	optimum not stated; recommended working range	sealed, see storage below

SPECIFICATION

IDENTITY		
Product type	Liquid alkaline lipase	Typical
PHYSICAL		
Form	Dark brown, clear liquid	Typical
Pack size	1 kg bottle	Typical
WORKING WINDOW		
Temperature	**25 – 95°C**	Typical
pH	**6.5 – 9.5**	Typical
STORAGE		
Storage temperature	5 – 25°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
Cool, dry place between 5 – 25°C; avoid prolonged heat and direct sunlight

PACK SIZE
1 kg bottle

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

APPLICATIONS

Add to liquid laundry detergents and concentrated gels or capsules
Removes body oils, food grease and sebum from fabrics.

Add to powder laundry detergents and multi-enzyme blends
Combines with protease, amylase, cellulase and mannanase.

Apply as a textile pre-soak or pre-treatment
Breaks down oily soils before the main wash.

Use in hard-surface cleaning products for oily residues
Hydrolyses triglycerides in oily residues.

DOSAGE

0.2% – 1%
of the detergent formula

Basis	**% of the detergent formula**
Adjustment	**according to pH, temperature, and cleaning needs**

Activity may decrease outside the optimal range.

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

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Online: enzymes.bio/product/industrial-grade-alkaline-lipase

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