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TECHNICAL DATA SHEET

TDS-ENZ120-EN · REV. 02 · 2026-11-03

Alkaline Amylase Detergent Enzyme

Alkaline amylase that breaks down starch to remove pasta, potato and gravy stains from laundry.

SKU **ENZ120** CATEGORY **DETERGENT ENZYMES** CAS **9000-90-2** EINECS **232-565-6** OTHER NAMES **AMILASE**

Produced by submerged fermentation

Not restricted for transport

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

SPECIFICATION

IDENTITY		
Product form	Liquid Typical	
Other names	amilase Typical	
ACTIVITY		
Declared activity	**10,000u/g** Typical	
PHYSICAL		
Appearance	Light brown Typical	
Odor	Slight fermentation smell Typical	
WORKING WINDOW		
pH range	6.0-10.0 Typical	
Temperature range	25°C-60°C Typical	
PURITY AND HYGIENE		
Purity	99% 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 such as pasta, potato and gravy from clothes in laundry washing
Starch is broken down into soluble dextrin, oligosaccharides and glucose, so stains are solubilized and removed.

Reduce caustic soda and sodium tripolyphosphate use in detergent washing
Reduction in the use of caustic soda and sodium tripolyphosphate.

Wash fabrics under mild conditions
Less damage to fabrics.

DOSAGE

0.15-0.5%

recommended application rate; the basis is not further specified

Pre-mixing — **Mix with a small amount of detergent before further processing**

The optimal application rate has to 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/alkaline-amylase-detergent-enzyme

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