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TECHNICAL DATA SHEET

TDS-ENZ097-EN · REV. 02 · 2026-11-03

Lipase Enzyme Powder 100,000u/g

Lipase powder from submerged fermentation of Aspergillus niger, for food and industrial fat processing.

SKU **ENZ097** CATEGORY **LIPASE** CAS **9001-62-1** GRADE **FOOD GRADE**

HALAL CERTIFICATION **VALID FROM 2019-07-23 UNTIL 2021-06-23**

Food grade · Produced by submerged fermentation · Not restricted for transport

DECLARED ACTIVITY	OPTIMUM TEMPERATURE	OPTIMUM PH	SHELF LIFE
100,000u/g	**35°C-45°C**	**8.0-9.0**	**12 months**
as stated on the product page	working range 30°C-50°C	working range pH 4.0~12.0	sealed, see storage below

SPECIFICATION

IDENTITY	
Colour	Light yellow Typical
Odour	Normal fermentation odour Typical
ACTIVITY	
Enzymatic activity	**≥ 100,000 U/g** Spec
WORKING WINDOW	
Temperature range (optimum 35°C-45°C)	30°C-50°C Typical
pH range (optimum 8.0-9.0)	4.0~12.0 Typical
PHYSICAL	
Appearance	**Liquid** Spec
Loss on drying	≤8.0 % Typical
Particle size (%<40 mesh)	≥80 % Typical
PURITY AND HYGIENE	
Lead (as Pb)	≤ 5 mg/kg Spec
Arsenic (as As)	≤ 3 mg/kg Spec
Total plate count	≤ 50,000 CFU/g Spec
Coliforms	≤ 30 CFU/g Spec

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

Baking: improve dough handling and crumb structure
Higher bread and steamed bun volume, better whiteness and crust luster

Leather: degrease and soften leather under mild conditions
Even degreasing, reduced chemical use and increased yield

Feed: add to release short-chain fatty acids
Better utilization of raw materials and improved feed flavor

Papermaking: control pitch in mechanical pulping and deinking
Pitch control during mechanical pulping and deinking of used paper

DOSAGE

0.01-0.5 kg/t DS

per tonne of dry substance (DS)

Test start **begin with the convenient volume**

Optimize the rate for each application, raw material specification and processing parameters.

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

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Online: enzymes.bio/product/lipase-enzyme-powder-cas-100000u-g

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