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TECHNICAL DATA SHEET

TDS-ENZ005-EN · REV. 02 · 2026-11-03

# Bromelain Enzyme 200,000 U/g

Bromelain enzyme 200,000 U/g, a sulfhydryl protease extracted from pineapple stem.

SKU **ENZ005** CATEGORY **BROMELAIN** CAS **37189-34-7** GRADE **FOOD GRADE** SOURCE **PINEAPPLE STEM**

Food grade · Not restricted for transport

DECLARED ACTIVITY
**200,000 U/g**
as stated on the product page

FORM
**Freeze-dried**
made by vacuum freeze-drying

## SPECIFICATION

| | |
|---|---|
| **IDENTITY** | |
| Enzyme | Bromelain Typical |
| CAS | 37189-34-7 Typical |
| Molecular weight | 33,000 Typical |
| **ACTIVITY** | |
| Enzyme activity | **≥ 200,000 U/g** Spec |
| **PHYSICAL** | |
| Appearance | **Light yellow to brown powder** Spec |
| Solubility | Soluble in water Typical |
| Water solution appearance | Colourless or rice soup colour liquid Typical |
| **COMPOSITION** | |
| Main component | Sulfhydryl-containing protease Typical |
| Other components | Peroxidase, acid phosphatase, protein inhibitors, organic active calcium Typical |
| **PURITY AND HYGIENE** | |
| Arsenic (As) | ≤ 2.0 mg/kg Spec |
| Lead (Pb) | ≤ 2.0 mg/kg Spec |
| Total plate count | ≤ 50,000 CFU/g Spec |
| Yeast and mould | ≤ 100 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
**Store in a cool, dry place below 25°C**

PACK SIZE
**Not stated**

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

## APPLICATIONS

**Hydrolyse protein in food processing**
Breaks peptide chains into polypeptides or amino acids

**Make protein hydrolysate for food use**
Forms hydrolysate with a unique flavour

**Process proteins in biochemical reactions**
Hydrolyses all kinds of proteins

## DOSAGE

**Determine by trial**
no application rate stated on the product page

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



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Online: enzymes.bio/product/bromelain-enzyme-200000-u-g-food-grade-enzyme-400gdu

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