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TECHNICAL DATA SHEET

TDS-ENZ131-EN · REV. 02 · 2026-11-03

Papain Enzyme Powder 650000u/g

Papain is a proteolytic enzyme powder with a declared activity of 650000u/g.

SKU **ENZ131** CATEGORY **PAPAIN** CAS **9001-73-4** GRADE **FOOD & INDUSTRIAL** FORM **WHITE POWDER**

Industrial grade Not restricted for transport

DECLARED ACTIVITY
650000u/g
as stated in the specification

SHELF LIFE
12 months
sealed, see storage below

FORM
White Powder
appearance as stated

GRADE
Food & Industrial
no dosage stated on the product page

SPECIFICATION

IDENTITY	
Product name	Papain Typical
CAS number	9001-73-4 Typical
Enzyme type	Proteolytic enzyme, sulfhydryl protease with cysteine in the active center Typical
Source	Papaya (Carica papaya) Typical
ACTIVITY	
Enzyme activity	**≥ 650,000 U/g** Spec
Enzymatic activity	**650000u/g** Typical
PHYSICAL	
Appearance	**White powder** Spec
Loss on drying	≤ 8.0 % Spec
Grade	Food & Industrial Typical
PURITY AND HYGIENE	
Heavy metals	< 30 mg/kg Spec
Arsenic (As)	< 2.0 mg/kg Spec
Lead (Pb)	< 2.0 mg/kg Spec
Total plate count	≤ 10,000 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 cool and dry place, keep away from strong light and heat.

PACK SIZE
Bottle, Bag, Aluminum Foil Bag

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

APPLICATIONS

Process food and beverage products
Acts as a proteolytic enzyme in the food and beverage field.

Apply in industrial processes
Serves as a proteolytic enzyme in the industrial field.

Treat leather
Used in the leather field.

Process textiles
Used in the textiles field.

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/pure-natural-papain-enzyme-powder-enzymatic-activity-650000u-g-in-bulk

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