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TECHNICAL DATA SHEET

TDS-ENZ244-EN · REV. 02 · 2026-11-03

Papain Enzyme Powder 2000000u/g

Papain proteolytic enzyme powder with a declared activity of 2000000u/g, supplied as white powder.

SKU **ENZ244** CATEGORY **PAPAIN** CAS **9001-73-4** GRADE **FOOD GRADE** ACTIVE INGREDIENT **PAPAIN**

Food grade · Not restricted for transport

DECLARED ACTIVITY	SHELF LIFE	FORM	PACK SIZE
2000000u/g	**12 months**	**White powder**	**1 kg / bag**
as stated on the product page	sealed, see storage below	appearance as stated	other packs: bottle, bag, aluminum foil bag

SPECIFICATION

IDENTITY	
Product name	Papain Typical
CAS number	9001-73-4 Typical
Grade	Food Grade Typical
ACTIVITY	
Specification (activity)	**2000000u/g** Typical
PHYSICAL	
Appearance	White Powder Typical
Shelf life	12 months 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
Store in a cool and dry place, keep away from strong light and heat.

PACK SIZE
1 kg / bag

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

APPLICATIONS

Hydrolyse food proteins into small peptides and amino acids
Supports food ingredient manufacturing and protein hydrolysate production.

Hydrolyse animal and plant proteins for tenderizer production
Breaks peptide bonds in proteins to give smaller peptides.

Add to cosmetics containing protein, oils and fats
Provides whitening, spot removal and skin improvement functions.

Add to feed as a feed additive
Aids protein absorption, feed utilization and animal digestion.

Separate cells in cell culture preparation
Hydrolyses small tissue masses within 10 minutes, freeing cells from the extracellular matrix.

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-2000000u-g-in-bulk

Use appropriate personal protective equipment when handling papain, and avoid inhalation or direct contact with skin. 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