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TECHNICAL DATA SHEET

TDS-ENZ108-EN · REV. 02 · 2026-11-03

Alkaline Protease 100,000 U/g

Bacillus licheniformis-based serine endo protease for hydrolysing fish and shrimp scraps.

SKU **ENZ108** CATEGORY **ALKALINE PROTEASE** CAS **9014-01-1** GRADE **FOOD GRADE**

ENZYME TYPE **SERINE ENDO PROTEASE**

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

DECLARED ACTIVITY	SHELF LIFE	FORM
100,000 U/g	**12 months**	**Powder**
as stated on the product page	sealed, see storage below	light brown

SPECIFICATION

IDENTITY	
Product name	Alkaline Protease Typical
CAS	9014-01-1 Typical
Enzyme type	Serine endo protease Typical
ACTIVITY	
Product specification	**100000-1.5 million U/g (customizable)** Typical
PHYSICAL	
Appearance	Light brown powder Typical
Solubility	Easily soluble in water Typical
Solution appearance	Clear light brown liquid Typical
COMPOSITION	
Main components	Alkaline Protease, Glucose 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
Room temperature drying, dark storage

PACK SIZE
Not stated

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

APPLICATIONS

Hydrolyse fish and shrimp scraps into polypeptides and amino acids.
Forms protein hydrolysates with a unique flavor.

Add to laundry detergents for household and industrial laundry.
Removes blood, egg, dairy and meat juice stains.

Remove proteins, including nucleases, during nucleic acid purification.
Avoids DNA degradation, preserving DNA integrity.

Clean enzyme biochemical instruments as a medical reagent.
Cleans biochemical instruments.

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/alkaline-protease-100000-u-g-fish-and-shrimp-scraps-hydrolysis-protease-bacillus-licheniformis-protease

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