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TECHNICAL DATA SHEET

TDS-ENZ099-EN · REV. 02 · 2026-11-03

White Alcalase Protease Enzyme Powder

Alcalase alkaline protease powder for protein hydrolysis, detergent production, and leather, silk and feed processing.

SKU **ENZ099** CATEGORY **PROTEASE** CAS **9014-01-1** EINECS **232-752-2** OTHER NAMES **ALKALINE PROTEINASE**

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

WORKING TEMPERATURE	OPTIMUM PH	SHELF LIFE	FORM
25–55 °C	**10.0**	**12 months**	**Powder**
no optimum stated	stable pH 9.0–12.0	sealed, see storage below	supplied in 25kg/drum packaging

SPECIFICATION

IDENTITY

CAS number	9014-01-1 Typical
EINECS number	232-752-2 Typical
Other names	alkaline proteinase Typical

WORKING WINDOW

Working temperature	**25–55 °C** Typical
Optimum reaction pH	**10.0** Typical
Stable pH range	9.0–12.0 Typical

PHYSICAL

Appearance	Powder, white Typical
Single gross weight	1.15 KG Typical

COMPOSITION

Main component	High purity trypsin 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
Keep sealed in a dry, cool place below 25°C, away from direct sunlight

PACK SIZE
25kg/drum; 1 kg / bag

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

APPLICATIONS

Protein hydrolysis
Hydrolyzes animal protein and plant protein.

Detergent manufacture
Used in industrial detergent production.

Leather, silk and feed processing
Used in industrial leather, silk and feed production.

DOSAGE

1 ‰ - 3 ‰

application rate, depending on substrate type and substrate concentration

Addition	**Dissolve in processing water first, then add**
Substrate	**Depends on substrate type and concentration**

Dissolving first helps the product combine rapidly with the substrate.

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

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Online: enzymes.bio/product/white-alcalase-protease-enzyme-powder-cas-9014-01-1

The dust may cause allergy when inhaled; avoid direct contact and rinse skin or eyes with water. 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