

ACTIVOZYME-ALK-PRO (Alkaline protease for detergent industries)

Description

ACTIONZYME-ALK-PRO is an alkaline protease enzyme produced by *Bacillus species*. Proteases are enzymes which catalyze the hydrolysis of peptide bonds present in proteins and polypeptides. ACTIONZYME-ALK-PRO provides specific benefits for application in laundry and automatic dishwashing.

Product type

ACTIONZYME-ALK-PRO available in the following types

ACTIONZYME-ALK-PRO P	POWDER
ACTIONZYME-ALK-PRO L	LIQUID

Product name	Activity	Description	pH range	Temperature range
ACTIONZYME-ALK-PRO L	100000 IU/ml	Light yellow to brown color liquid	Optimal 35°C-60° C Working 30°C-70°C	Optimal 8.5-11.0 Working 8.0-12.0
ACTIONZYME-ALK-PRO P	100000IU/gm	Light yellowish to brown colored powder	Optimal 35°C-60° C Working 30°C-70°C	Optimal 8.5-11.0 Working 8.0-12.0

Applications

- ACTIONZYME-ALK-PRO greatly contributed to the improvement and development of industrial detergents.
- ACTIONZYME-ALK-PRO improve the wash performance of households, industrial, medical, and institutional laundry detergents used to remove protein-based stains such as blood, grass, body fluids and food soils.
- Bacterial proteases are mostly extracellular, easily produced in larger amounts, thermo-stable and active at wider pH range. These properties make the bacterial proteases most suitable for wider industrial application. Alkaline proteases from the bacterial origin are the most important industrial enzymes, which contribute about 60% of the total world enzyme market.

ACTIVOZYME-ALK-PRO **(Alkaline protease for detergent industries)**

Storage

ACTIONZYME-ALK-PRO should be stored in a cool dry place.

Packaging

ACTIONZYME-ALK-PRO is available in 25 kg paper bag for powder and 25 kg HDPE drum for liquid products. Packaging can be customized as per requirement.

Technical Support

Antozyme technical laboratory shall be pleased to provide more information covering specific applications for this product or discuss any problem, which may occur in the detergent industry.

Usage Guidelines

There are many factors that influence protein hydrolysis with ACTIONZYME-ALK-PRO such as:

- I. Types of detergent
 - II. pH of the detergent
 - III. Moisture content of detergent
- Heavy metals, halogens and oxidizing agents, free acids de-activate the enzyme, hence should be avoided.

The information contained in this leaflet is to the best of our knowledge, true & accurate, but any recommendations or suggestions which may be made are without guarantee since the conditions of use are beyond our control. No license or immunity under any patents is granted or implied. Green Worx CS does not guarantee that the above products can be used as described without prior positive testing or the use of these products does not infringe third parties' patent rights.

Manufactured for and supplied by Managed Care Eco Solutions.

Managed Care Eco Solutions

Unit 1, New Port Business, Quarts Street, Kya Sands Business Park, Kya Sands

Tel. +27 11 708 6626

Email – info@enzymes.eco

www.enzymes.eco



ACTIVOZYME-ALK-PRO
(Alkaline protease for detergent industries)