

ACTIONZYME – ALK - LIP

Alkaline lipase for detergent industries

Description

ACTIONZYME-ALK-LIP is alkaline lipase produced by a selected strain of fungal species. Lipase is subclass of esterase. Lipase hydrolyzes triglyceride to more hydrophilic mono- and diglycerides, free fatty acids, and glycerol. In laundering the effect of ACTIONZYME-ALK-LIP seen only after several wash cycles.

Product type

ACTIONZYME-ALK-LIP is available in the following formats.

ACTIONZYME-ALK-LIP P	POWDER
ACTIONZYME-ALK-LIP L	LIQUID

Product name	Activity	Description	pH range	Temperature range
ACTIONZYME-ALK-LIP L (Liquid)	100000 IU/ml	Light yellow to brownish color liquid	Optimal 8.5-11.5 Working 8.0-12.0	Optimal 35°C-60°C Working 30°C-70°C
ACTIONZYME-ALK-LIP P (Powder)	100000IU/gm	Off white color powder	Optimal 8.5-11.5 Working 8.0-12.0	Optimal 35°C-60°C Working 30°C-70°C

Applications

- ACTIONZYME-ALK-LIP is used in detergents industries. Lipase target oils, fats & grease. Many food and oily food or junk foods, leave greasy stains behind this junk food are challenge for consumers. By breaking down the lipid molecules in oily stains into smaller pieces, lipase allows them to mix more easily with the detergent. This boosts the detergent performance.
- ACTIONZYME-ALK-LIP is a lipase that's suited to tough condition, including the presence of strong chelators and powder formulations. Lipase effectively removes proteinaceous debris and fat lubricating oils from medical instruments.
- ACTIONZYME-ALK-LIP are the enzymes of choice for laundry detergent industries owing to their triglyceride removing ability from the soiled fabric which eventually reduced the usage of phosphate-based chemical cleansers in the detergent formulation.

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Benefits

- ✓ Eco-friendly and bio-degradable
- ✓ Effective cleaning in shorter cycle
- ✓ Stay competitive with solutions that lower rewash rates, water and energy consumption.
- ✓ Quickly and effectively break down organic waste & odors in drains, grease interceptors on hard surface.
- ✓ Enhance cleaning and safety in multiple healthcare application & automatic washing in sterile processing.

Storage

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

Packaging

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

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

Usage Guidelines

There are many factors that influence protein hydrolysis with ACTIONZYME-ALK-LIP 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.



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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