



A U M E N Z Y M E S

FEEDZYME-NP

Bacterial Neutral Protease

Aum Enzymes
India's #1 Speciality Enzyme Products

BENEFITS

High performance neutral protease
Modify proteins of vegetable as well as animal origin
Improves the digestibility of cereal-containing feeds
Improves the digestibility of non-starch polysaccharides (NSPs)
Reduces sticky and wet dropping
Improves growth and final live weight
Improves feed conversion ratio (FCR)
Improves egg size and quality in layers; reduces dirty eggs
Saves cost by permitting flexible use of less expensive feed ingredients
Eco-friendly and bio-degradable.

DESCRIPTION

Feedzyme-NP is a bacterial neutral protease enzyme preparation produced by SSF techniques from selected strain of *Bacillus subtilis*. The enzyme will effectively hydrolyze proteins in an endo manner, thus producing soluble peptides and amino acids. In the feed industry, Feedzyme NP is high-performance feed enzyme to be use to modify proteins of vegetable as well as animal origin.

Feedzyme-NP also has some side enzymes like amylase, lipase, beta-glucanase and cellulase. The amylase and protease improve the digestibility of cereal-containing feeds. The side enzymes like, beta-glucanase break down beta-glucans, which are antinutritional factors and thus decrease, the viscosity of gut contents and cellulase improves the digestibility of non- starch polysaccharides(NSPs) like cellulose, hemicelluloses and which are present in feedstuffs. Feedzyme-NP increases the Metabolized Energy (ME) content of the diet, as well as improves its protein and fat utilization.

PRODUCT SPECIFICATION

Parameters	Operational range	Optimal range
Temperature	25°C-80°C	30°C -70°C
pH	4.0-9.0	4.5 - 8.5
Form & appearance	Free flowing Powder , creamy white color to light brown	
Enzyme types	Bacterial neutral protease	
Enzyme Activity	2500 neutral protease unit/gram	
Microbial source	<i>Bacillus subtilis</i>	

APPLICATION & DOSAGE

There are many factors that influence usage of Feedzyme-NP, such as, type of species, feed composition, ingredient and nutrient specification of feed.

The recommended dosage of Feedzyme-NP is 250 gram per 1000kg of feed. For best result of Feedzyme-NP, it is mix thoroughly in the feed.

SAFETY

The product is produced under hygienic condition and is subject to stringent quality control.

TOXICOLOGY

The product produced by GRAS microorganism and is classified as non toxic.

BIODEGRADABILITY

Product is Biodegradable

HANDLING PRECAUTION

Enzymes are proteins and inhalation of dust or aerosols may induce sensitization and may cause allergic reactions in sensitized individuals. Some enzymes may irritate the skin, eyes and mucous membranes upon prolonged contact.

REGULATORY INFORMATION:

EEC Classification

In concentration form, the liquid enzymes products are classified as “sensitizers by inhalation” under the terms of EEC directive 88/379.

STORAGE:

Enzyme products should be stored in a cool dry place. When stored below 35°C products will maintain its declared activity for at least 24 months.

PAKAGING:

Enzyme products are available in 25 Kilogram HDPE fiber drum. Special packaging is also available on request.

TECHNICAL SERVICE:

Aum Enzymes technical service laboratory shall be pleased to provide more information covering specific applications for all products or discuss any practical problem which many occur in the industry. Technical datasheet given with each product are only given as usage guidelines, but tests should be carried out under local conditions to fix the optimum dosages for animal species.

AUM ENZYMES

30, Bhakti Nagar, Nr. Jalaram Mandir, BORSAD-388 540.

Dist. Anand. (Gujarat) India.

Mobile: +91-9898383455

E-mail: info@aumenzymes.com, aumenzymes@gmail.com.

Website: www.aumenzymes.com