



A U M E N Z Y M E S

Aum Enzymes
India's #1 Speciality Enzyme Products

EFEzyme

Xylanase, Cellulase & Beta-glucanase

BENIFITS

- Improves the digestibility of cereal and vegetable protein containing feeds
- Improves the digestibility of non- starch polysaccharides (NSPs)
- Break down beta-glucans, which are anti nutritional factors
- Reduces gut viscosity
- High - performance fiber degrading animal feed enzyme.
- Improves absorption of nutrients
- Increases healthy gut microbial flora count of Rumen
- Improves feed efficiency
- Improves yield of milk, milk fat & protein yield
- Improve animal health
- Saves cost by permitting flexible use of less expensive feed ingredients
- Eco- friendly and bio-degradable

DESCRIPTION

EFEzyme is a blend of fibrolytic enzymes xylanase, cellulase, hemicellulase and beta-glucanase produced by SSF techniques from selected strains of *Trichoderma species*. The xylanase, cellulase, hemicellulase and beta-glucanase will hydrolyze broad range of polysaccharides such as xylans, arabino-xylans, and cellulose, hemicellulose, pentosans and beta-glucans substances. EFEzyme is high - performance fiber degrading animal feed enzyme.

Cereals such as maize, wheat, barley, oats, rye and vegetable proteins such as soybean, groundnut, peas, rapeseed, and sunflower contain broad range of polysaccharides, commonly known as non starch polysaccharides[NSPs] such as xylans, arabino-xylans, cellulose, hemicellulose, pentosans, beta-glucans and other anti-nutritive or poorly digestible constituents.

EFEzyme is a mixture of xylanase, cellulase, hemicellulase and beta-glucanase to be used in feed industry. It is specially designed for improving the digestibility of feed containing cereals and vegetable of feed animals.

PRODUCT SPECIFICATION TYPE

Form & appearance	Powder	Free flowing ,creamy white to light brown	
Parameters	Optimal range	Operational Range	
Temperature	30°C-60°C	25°C -95°C	
pH	4.5-7.0	2.5 - 8.5	
Microbial source : fungi	<i>Trichoderma species.</i>		
Enzymes type & activity	Xylanase 50000 IU/gram	Beta-glucanase 25000 IU/gram	Cellulase 100000 IU/gram

APPLICATION & DOSAGE

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

The recommended dosage of EFEzyme is 100 to 150 gram per tonne [1000kg] of feed. For best result of EFEzyme, 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.

PACKAGING:

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.

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