Aum Enzymes
India's #1 Speciality Enzyme Products

EFEzyme Plus

Enzymes plus fibrolytic probiotics

BENIFITS

- High - performance fiber degrading animal feed enzyme with fibrolytic probiotics
- Improves the digestibility of cereal and vegetable protein containing feeds
- Improves the digestibility of non- starch polysaccharides (NSPs)
- 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 plus is a blend of fibrolytic enzymes xylanase, cellulase, hemicellulase and beta-glucanase produced by SSF techniques from selected strains of *Trichoderma species* plus probiotics .orgs. 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 Plus is high - performance fiber degrading animal feed enzyme with probiotic m.orgs

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 Plus is a mixture of xylanase, cellulase, hemicellulase and beta-glucanase with probiotics m.orgs to be used in animal feed industry. It is specially designed for improving the digestibility of animal feed containing cereals and vegetable.

EFEzyme plus contain fibrolytic probiotics bacteria responsible for the degradation of plant cell wall in the rumen, while probiotics fungi produce broad array of enzymes help in wider range of fiber digestion of animal feed.

PRODUCT SPECIFICATION TYPE

Form & appearance	**Powder**		Free flowing ,creamy white to light brown
Parameters	Optimal range		Operational Range
Temperature	$30^{O}C$-$70^{O}C$		$25^{O}C$ -$95^{O}C$
pH	3 - 8		2.5 - 9
Microbial source : fungi	*Trichoderma species*.		
Enzymes type & activity	Xylanase 50000 IU/gram	Beta-glucanase 25000 IU/gram	Cellulase 100000 IU/gram

Fibrolytic probiotics	*Aspergillus spp*	*Bacillus Spp*	*Lactobacillus Spp*

APPLICATION & DOSAGE

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

The recommended dosage of EFEzyme plus is 50 to 100 gram per tonne [1000kg] of feed.

For best result of EFEzyme plus, 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 $35^{O}C$ 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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