



A U M E N Z Y M E S

FEEDZYME-XCG

Xylanase, Cellulase & Beta-glucanase

Aum Enzymes
India's #1 Speciality Enzyme Products

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
- Improves absorption of nutrients
- Increases Metabolized Energy (ME) content of the diet
- 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-XCG is a mixture of 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. Feedzyme-XCG is high - performance fiber degrading 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.

Feedzyme-XCG 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 proteins in poultry, pigs and other monogastric 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 -70°C | |
| pH | 4.5-7.0 | 2.5 - 8.5 | |
| Microbial source : fungi | <i>Trichoderma species.</i> | | |
| Enzymes type & activity | Xylanase 800 IU/gram | Beta-glucanase 2500 IU/gram | Cellulase 5000 IU/gram |

APPLICATION & DOSAGE

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

The recommended dosage of Feedzyme-XCG is 100 gram per tonne [1000kg] of feed. For best result of Feedzyme-XCG, 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.

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