



A U M E N Z Y M E S

Aum Enzymes
India's #1 Speciality Enzyme Products

WASTEZYME-WD [WASTE DEGRADATION]

Eco-microorganisms & enzymes

BENIFITS

- ❖ Eco- friendly and bio-degradable
- ❖ Non pathogenic, economical and safe to handle
- ❖ Safety in operations of waste systems
- ❖ Effective on waste having relatively high BOD
- ❖ Improves waste system stability
- ❖ Increase fertilizer value
- ❖ Reduce waste organics
- ❖ Reduces and control foul odour
- ❖ Reduces waste build up and turbidity
- ❖ Provides targeted degradation for a wide variety of complex waste
- ❖ Enhanced aerobic and anaerobic performance
- ❖ Improves systems biological stability
- ❖ Degrade wide variety of substrate like organics waste oils, grease, protein, starch and carbohydrates.

DESCRIPTION

Wastezyme-WD is synergistic blend of various eco-microorganisms and enzymes. Wastezyme-WD can be applied in commercial waste facilities, septic systems, lagoons and sewage pits, garbage piles and help in efficient breakdown of organic residues and waste. It is specially designed for accelerated organic waste degradation. It is effective over wide range of substrates and is highly efficient in combating complex waste. It attacks variety of substrates such as fats, oils, grease, protein, starch and carbohydrates. It can work in both aerobic and anaerobic environments.

Wastezyme-WD contains a mixture of various enzymes and eco-microorganism, which immediately start to degrade the organic waste. The nutrient salts present in Wastezyme-WD help to create a medium for the microbes to produce additional enzymes, which are capable to degrade complex waste with high BOD[biological oxygen demand], TOC[total organic carbon] and COD[chemical oxygen demand].

PRODUCT TYPE: BROWN COLOUR POWDER

Parameter	Optimal range	Operational range
Temperature	20 ⁰ C-40 ⁰ C	15 ⁰ C-45 ⁰ C
pH	6.0 TO 9.0	5.5 TO 9.5
Odour : Yeast like	Bacterial count : 5 x 10 ⁹ CFU /Gram	

TECHNICAL DATASHEET

[Wastezyme-WD]

While using Wastezyme-WD, it is recommended first to establish the optimal conditions for the desired waste treatment by experimenting on small scale volume. There are many factors that influence the waste degradation with Wastezyme, such as:

- ❖ Types of waste
- ❖ Nature of waste
- ❖ Temperature and pH of waste
- ❖ Dosage and treatment time

The dosage of Wastezyme-WD for institutional and consumer waste treatment depends on waste conditions and requirement.

A typical dosage of Wastezyme-WD is given below

Initial / Start-up dosage
Day 1 to 7 dosage 0.007 % on volume of waste materials
Maintenance dosage
Weekly once dosage 0.005 to 0.01 % on volume of waste materials

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 12 months.

PAKAGING

Enzyme products are available in 5 /15 / 25kg foil packing. Special packaging is also available on request.

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 enzymes products are classified as "sensitizers by inhalation" under the terms of EEC directive 88/379.

TECHNICAL SERVICE:

AumEnzymes 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 dosage for the machine type and conditions.

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