



Aam Enzymes
India's #1 Speciality Enzyme Products

Aquazyme PM [Pond management]

Eco microorganisms & specialty enzymes

BENEFITS

- ❖ Eco- friendly and bio-degradable
- ❖ Eliminates Odour
- ❖ Reduce bottom solids
- ❖ Eliminate pond scum
- ❖ Stop aeration equipment fouling
- ❖ Clear green water
- ❖ Cost effective & non pathogenic

DESCRIPTION

Aquazyme PM is synergistic blend of various eco-microorganisms and enzymes specially produced by SSF techniques and designed for perfect pond management of aquaculture of shrimps, prawns and fish. The microorganism present in Aquazyme PM eliminates odors by rapidly degrade aquatic organic bottom solid waste where gas is created and release. Aquazyme PM eliminates pond scum by digesting algae's primary food source and making it unavailable for algae & aquatic weeds. Aquazyme PM contains a mixture of various enzymes, which immediately start to degrade the dead organic matter. The nutrient salts present in Aquazyme WD help to create a medium for the microbes to produce additional enzymes, which are constantly breakdown organic waste.

PRODUCT TYPE: BROWN COLOUR POWDER

Parameter	Optimal range	Operational range
Temperature	15 ⁰ C-40 ⁰ C	10 ⁰ C-45 ⁰ C
pH	6.0 TO 9.0	5.5 TO 9.5
Odour : Yeast like	Eco microorganism Count : 0.5 X 10 ⁹ CFU /Gram <i>Bacillus subtilis, Bacillus licheniformis, Bacillus megaterium, Bacillus amyloliquefaciens, Aspergillus niger</i>	
	Type of Enzymes: Mixture of Enzymes contains Protease+ Amylase+ Lipase+ cellulase+ Xylanase+ Ligninase+ Phytase +Pectinase.	

TECHNICAL DATASHEET [Aquazyme PM]

While using Aquazyme PM, it is recommended first product may be mixed thoroughly with slight wet sand [1:10 ratio] and immediately apply uniformly on to the pond water from dock or feeding boat. Early morning application advisable [before sunshine]. There are many factors that influence the perfect pond management with Aquazyme PM, such as:

- ❖ Type and size of pond
- ❖ Environment and aquaculture practices
- ❖ Feed types and feed amount
- ❖ Water salinity and temperature
- ❖ Soil preparation
- ❖ Level of contaminants
- ❖ Weekly inflow and outflow

A typical dosage of Aquazyme PM is given below

Application period	<25pl/m ² Black tiger OR <80pl/m ² White shrimp
7 days pre stocking	1 Kg/ha
Day of Stocking	1 Kg/ha
Every 7 days after stocking till end of culture	0.8 Kg/ha
For Fish dosage of Aquazyme PM	1 kg /ha

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 25kg bag 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:

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 dosage for the bio type and conditions.

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