



Aam Enzymes
India's #1 Speciality Enzyme Products

Aquazyme NF [Ammonia degradation]
Eco microorganisms & specialty enzymes

BENEFITS

- ❖ Eco- friendly and bio-degradable
- ❖ Nitrifies the ammonia present in ponds to oxidized nitrite & nitrate
- ❖ Help in ammonia removal from ponds
- ❖ Improves the pond environment, pond water quality and Colour
- ❖ Improves overall health of shrimps, prawns, fishes, etc
- ❖ Improves survival rates of shrimps, prawns, fishes, etc
- ❖ Improves systems biological stability
- ❖ Improves production yield
- ❖ Degrades a variety of aquatic organic waste and excess food
- ❖ Reduces sludge build up, turbidity and organic sediment in ponds
- ❖ Reduces and control foul Odour
- ❖ Reduce algae, blanket weed and duck weed
- ❖ Non pathogenic, economical and safe to handle
- ❖ Prevent building up to toxic condition in the pond & maintain nitrogen cycle
- ❖ Ensures optimal balance of phytoplankton and natural beneficial bacteria
- ❖ Helps to maintain production yields during disease and environmental stress

DESCRIPTION

Aquazyme NF is synergistic blend of various eco-microorganisms and enzymes specially produced by SSF techniques and designed for nitrification of ammonia into oxidized nitrite and nitrate in ponds for aquaculture of shrimp, prawns and fish. The microorganism and enzymes present in Aquazyme NF rapidly nitrify the ammonia, prevent building up to alkaline condition and improve the pond environment. In addition, Aquazyme NF increases production yields, improves pond water quality, ensure good balance of nitrogen cycle in ponds.

Aquazyme NF contains a mixture of various enzymes and eco-microorganism, which immediately start to degrade the organic waste. The nutrient salts present in Aquazyme NF 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°C-40°C	10°C-45°C
pH	6.0 TO 9.0	5.5 TO 9.5
Odour : Yeast like		Nitrifying m.orgs count : 1 billion CFU /Gram
		Type of Enzymes: Mixture of Enzymes

TECHNICAL DATASHEET
[Aquazyme NF]

While using Aquazyme NF, 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 microorganism and enzymes present in Aquazyme NF will nitrify the ammonia present in pond into nitrite and nitrate, 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 NF is given below

Application period	<25pl/m ² Black tiger OR <80pl/m ² White shrimp	<25pl/m ² Black tiger OR <80pl/m ² White shrimp
7 days pre stocking	0.9-1.2 Kg/ha	1.2-1.5 Kg/ha
Day of Stocking	0.6-0.8 Kg/ha	0.8-0.1 Kg/ha
Every 7 days after stocking	0.6-0.8 Kg/ha	0.8-0.1 Kg/ha
Total amount used Kg/Crop/ha	12-16 kg	16-21 kg

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 may 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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