

# TESEPH™ PLUS

## Creating Solutions for Optimum Pond Hygiene

The culture cycle period of 80 to 90 days of an aquaculture pond is termed as Critical Growout Period (CGP).

The water quality tends to deteriorate rapidly during this period due to high organic load, reduced levels of dissolved oxygen and increasing toxic conditions. With beneficial pond microorganisms it is possible to protect the shrimp and fish during the CGP thus maintaining high survival rate and increasing the harvest yield.



One common pond predator is H<sub>2</sub>S and NH<sub>4</sub>, which are gases which are highly toxic for Shrimp and Fish which cause rapid and massive mortalities at levels as low as 0.051 ppm & can be identified with rotten egg smell and black pond bottom. Ammonia is toxic to aquatic animals if it is allowed to accumulate in the production systems.

When ammonia accumulates to toxic levels the aquatic animals cannot extract energy from the feed efficiently and when it gets high enough then it has a lethargic effect resulting into coma and mortality of the aquatic animals.

Tea seed polyphenols have been observed to react with ammonia in the aqua pond to reduce the levels significantly.

Natural immunostimulants such as Polyphenols, alkaloids, flavonoids, pigments, phenolic compounds & essential oils can modulate the innate immune response and their use in aquaculture has been largely accepted.

Polyphenols improve the immune response of fish and there are strong evidence that polyphenols promote various activities like antistress, growth, promotion, appetite stimulation, tonic and immunostimulation and to have antimicrobial properties in fish and shrimp culture.

Garlic extracts are well-known natural antibiotic that causes no environmental or physical side effects and have proved to be effective for the treatment of many diseases owing to its antimicrobial, antiprotozoal, antioxidant and immunostimulant properties. In aquacultural operations, garlic with dose optimization is strongly recommended.

## TESEPH™ PLUS CREATES AN OPTIMUM SOLUTION FOR BETTER POND HYGIENE & IMPROVED HEALTH FOR FISH AND SHRIMPS

In each 1000 ml TESEPH PLUS consists of: Tea Seed Polyphenols 200 grams & Allium Extracts 100 grams

### Recommended Usage Levels:

- Pond application: 300 ml to 500 ml per acre of pond water
- Feed applications: 1000 ml per Ton of feed

### Presentations:

- 500 ml HDPE Bottle
- 1000 ml HDPE Bottle



Keep Out of Reach of Children

Protect From Direct Sunlight

Not For Human Use

For Aquaculture Use Only

This Document Is For Use of an Aquaculture Technician Only

Free From Hormones and Antibiotics

## Catalyst LifeSciences Pvt. Ltd.

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DISPOSAL OF BAD AND OUTER PACKAGE: Do not contaminate water, food or feed by storage and disposal. Completely empty container into application equipment. Triple rinse pail and offer for recycling or reconditioning. Containers can also be disposed of in a sanitary landfill or by incineration, or in accordance with guidance from your local waste regulation authority, such as by burning (if burned, stay out of smoke). When applying this product to water bodies, avoid solid particles from falling on nearby ground where birds and feed may be present.