



Entegard® IMPROVES THE HEALTH AND GROWTH PERFORMANCE OF FISH & SHELLFISH

➤ GUT BENEFITS

- Entegard® IMPROVES GUT VILLI HEIGHT
- Entegard® IMPROVES GUT CRYPT DEPTH
- Entegard® IMPROVES GUT BARRIER FUNCTION
- Entegard® IMPROVES NUTRIENT ABSORPTION
- Entegard® IMPROVES GUT SURFACE AREA
- Entegard® SUSTAINS A HEALTHY SMALL INTESTINE MICROBIOTA

➤ GUT CRYPT DEPTH IMPROVEMENT



➤ ADVANTAGES

- ANTIBIOTIC-FREE
- HIGHER ACCEPTANCE FROM CONSUMERS AND REGULATING AGENCIES
- KEY ACTIVE INGREDIENT IS NATURAL SOURCE LYSOZYME
- LYSOZYME FOR ENTEGARD® IS PRODUCED UNDER EUROPEAN STRICT QC & QA
- ACCESS PREMIUM MARKETS
- EXPORT TO EUROPE WHERE IMPORTS MUST BE RWA²
- MARKET OF RWA² IS GROWING IN ASIA RAPIDLY
- EASY TO USE AND EFFECTIVE
- ENCAPSULATED FORM TO ENSURE INGREDIENTS INTEGRITY
- FULL EFFICIENCY WHEN INGESTED BY FISH AND SHELLFISH

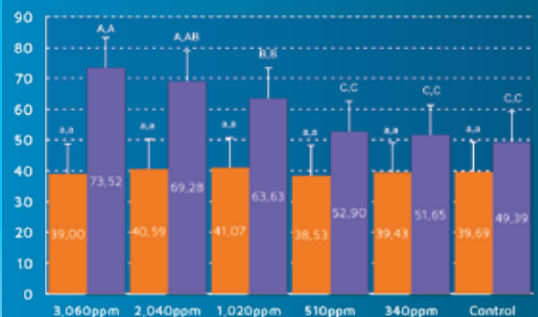
➤ ACTIVITY IN VITRO | SHRIMPS

MICROORGANISM	MIC - PPM ¹⁰
Vibrio damsela	625
Vibrio fluvialis	1250
Vibrio vulnificus	1250
Vibrio parahaemolyticus	1250
Vibrio cholerae	1250

➤ BENEFITS IN AQUACULTURE

- INCREASED GROWTH IN FISH FARMING FOR FISH AND SHELLFISH
- INCREASED OVERALL FEED EFFICIENCY REDUCING COSTS
- IMPROVED SURVIVAL RATES OF FARMED AQUATIC ANIMAL
- BOOSTED IMMUNE SYSTEM AGAINST VIRAL CHALLENGES
- THERMALLY STABLE ENCAPSULATED FORM SUITABLE FOR FEED IN FARMS

➤ STRONGER IMMUNE SYSTEM (Phagocytic Activity)



1. Raised without antibiotics / antibiotic-free





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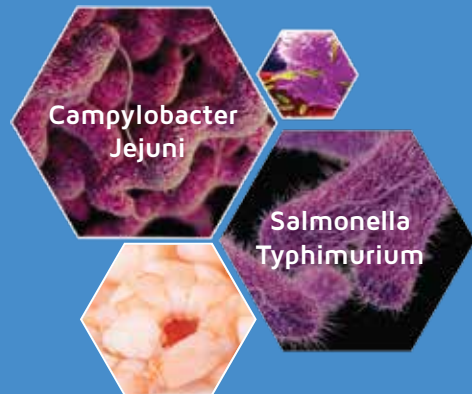
➤ ANTIBACTERIAL ACTIVITY

Entegard® provides activity against bacterial challenges in standard or ABF operations:

Entegard® BREAKS DOWN THE CELL WALL OF BACTERIA

Entegard® INFLUENCES AND REDUCES BACTERIAL POPULATION

Entegard® IS THE IDEAL ALTERNATIVE TO ANTIBIOTICS



➤ IMMUNOMODULATOR ACTIVITY

Entegard® improves overall fish and shellfish health preventing antibiotic resistance risk:

Entegard® Lyses the cell wall of bacteria

Entegard® Promotes clearance of microbial debris

Entegard® Reduces gut inflammation



➤ EASY TO USE THROUGH FEED:

Entegard® PLUS | 



 bioseutica™
BV

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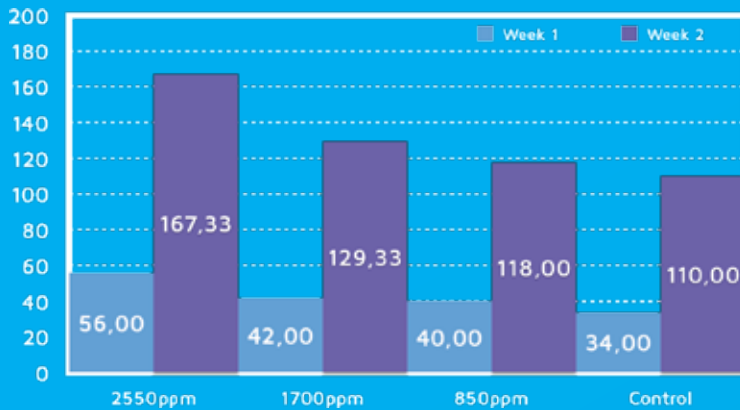




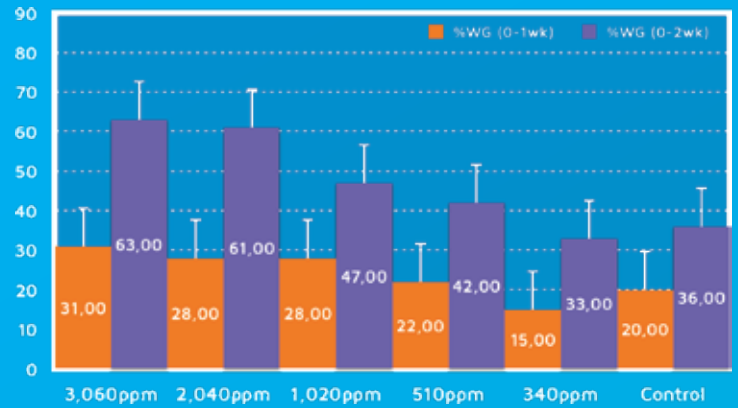
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► COMMERCIAL TRIALS

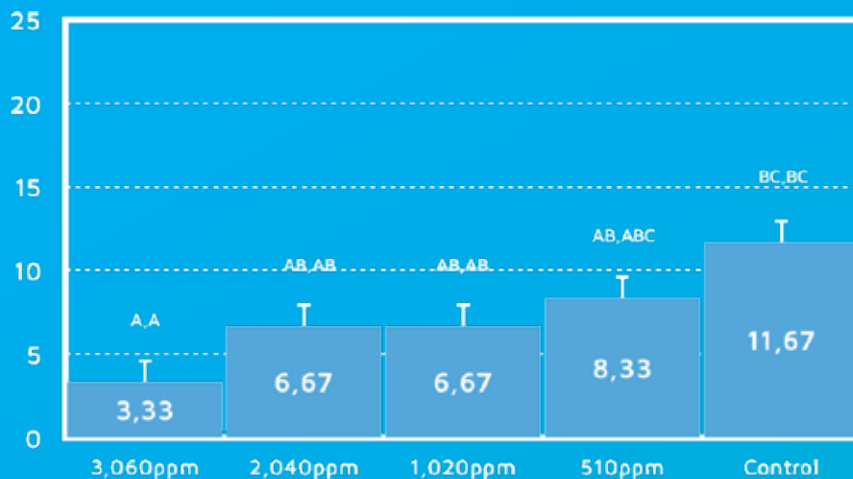
WHITE SHRIMPS GROWTH PERFORMANCE



WHITE SHRIMPS WEIGHT GAIN WEEK 1-2



WHITE SHRIMPS MORTALITY(%)





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ADDITIONAL INFORMATION

➤ MIX WITH FEED BEFORE EXTRUSION

Entegard® PLUS | 

 FEED

Mix with feed before extrusion as per table before.
Use during the entire life cycle.

RECOMMENDATIONS:

Avoid temperature above 35°C

SHELF LIFE: Up to 24 months at ambient temperature when stored in original packaging and protected from moisture

 COLOUR
YELLOW/BROWN

 FORM
GRANULATED

 MAX TEMPERATURE
85°C

Entegard® PLUS | 

DOSAGE INFORMATION

RECOMMENDED DAILY DOSAGE

Feed Tons T	 Kg	 Kg	SPECIES	ppm
30	36	25.5	Fish	1200
80	96	68	Shrimps	850
330	396	280.5		
580	696	493		
830	996	705.5		

Entegard® is produced in The Netherlands according to FAMI-QS standards

 bioseutica™

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