

# PRODUCT DATA SHEET

Product:

**Sanbio® MARE**

## DESCRIPTION

MARE is a special functional pellet feed for post-brooding/pre-fattening fishes and crustaceans in onshore and offshore aquaculture. MARE combines the optimal nutrition, advanced broad-spectrum detoxification, anti-microbial effects against gram-negative bacteria and pathogens as well as the immune modulation through its special production technology. The balanced energy level and the formulation ensure a rapid and balanced growth.

## MAIN ADVANTAGES

The advantages of MARE are:

- Advanced broad spectrum detoxification
- Effective anti-microbial effects against gram-negative bacteria and pathogens
- Modulation of gut microbiota
- Stimulation of digestion
- Enhancement of breeding performance.

## COMPOSITION

Mixture of soyeam cake [1], wheat bran [1], corn gluten meal, potatoe starch, soy oil [1], glycerin, activated bentonit-montmorillonite-illite [2], muscovite, glauconite, caolite, chlorite, potassium diformate [3], silicone dioxide [3], citric acid [3], silicon dioxide [3], algae extract, fish meal [4]

[1] According Organic farming standard

[2] SANBIO® SANA, activated\*) feed additive, binders, according EC1831/2003

[3] SANBIO® SALVUS, activated\*) feed additive, preservatives, according EC1831/2003

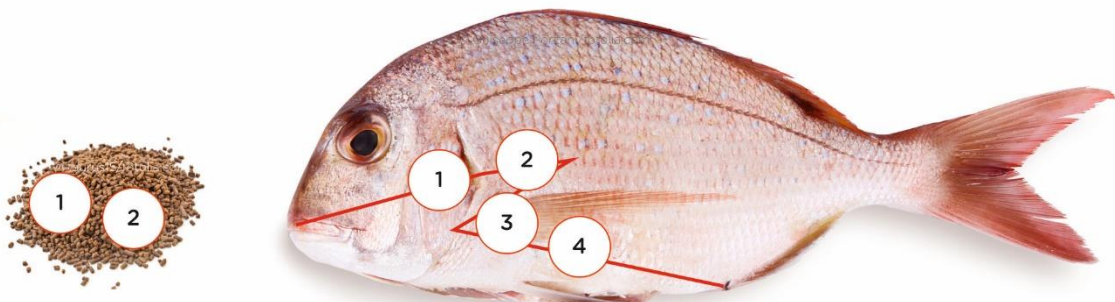
[4] According MSC standard

\*) processed by SANBIO Biocatalytic Stimulation Technology

## MODE OF ACTION

MARE combines the core functions in one product:

1. Adsorption of toxic substances
2. Inhibition of pathogenic bacteria
3. Modulation of healthy microbiota
4. Stimulation of digestion.



The effectiveness of MARE is based on the synergistic combination of physical and chemical adsorption methods towards toxins, anti-microbial effects and active stimulation of cells in the small intestine (SANBIO Biocatalytical Stimulation Technology). The mechanism of electrical stimulation of cells makes the difference of MARE versus conventional products acting on chemical mechanisms only.

**DOUBLE-STAGE ADSORPTION.** The combined physical and chemical adsorption method binds a wide spectrum of mycotoxins and endotoxins. The toxins being immobilized and discharged. It acts selectively and independently from pH value throughout the complete gastrointestinal tract.

**HEALTHY GUT MICROBIOTA.** MARE acts as microhabitat to supply a large surface media for growth of useful microorganisms. The electrical gut stimulation supports the modulation of promoting bacterial flora (e.g. Lactobacilli, Bifidobacteria). MARE balances the pH value of the gastrointestinal tract and maintains the modulation of healthy bacterial flora (e.g. Lactobacilli, Bifidobacteria).

**TOTAL BIOPROTECTION.** MARE has anti-inflammatory effects, promotes the healing and growth of intestinal villi and ensures hepato- and immune protection.

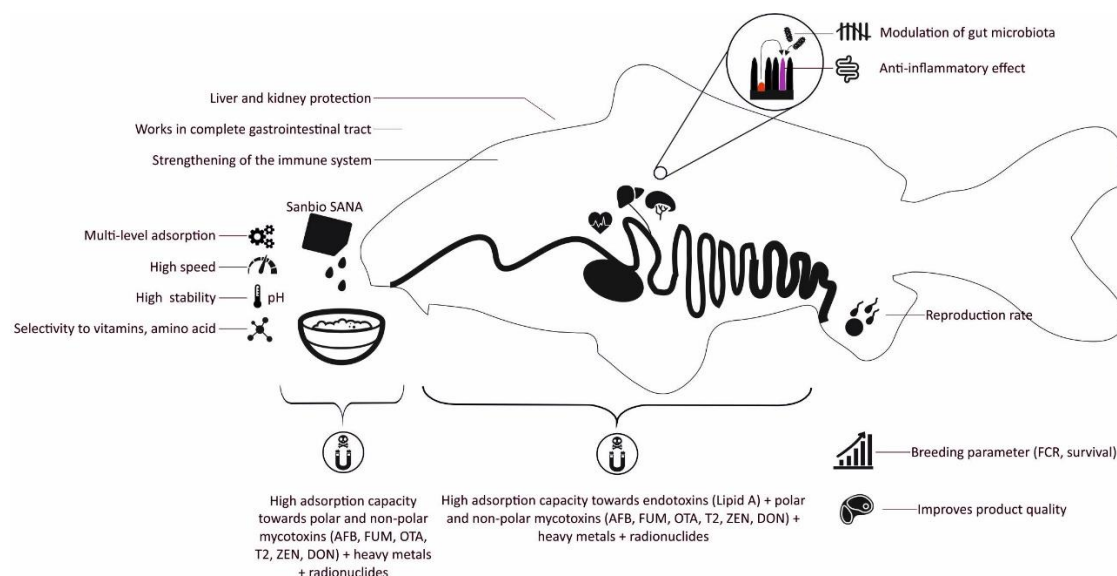
**STRONG ANTI-MICROBIAL EFFECT.** MARE contains selected beneficial organic acids which are highly bacteriostatic and bactericidal. The acidification of the complete gastrointestinal tract limits the proliferation of pathogenic bacteria and inhibiting the development of diseases (colibacillosis, coccidiosis, salmonellosis, gas gangrene).

**HIGH RANGE.** MARE acts throughout the total length of intestine offering total protection.

**GROWTH CONTROL.** The active secretion of digestive juices and enzymes as well as improved oxygen utilization in the blood lead to improved metabolism and better nutrient uptake.

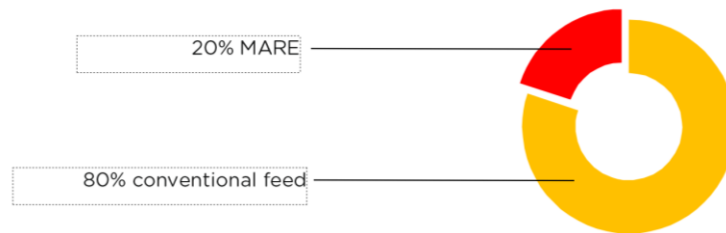
**STRONG AND VITAL.** Citric acid stimulates liver, kidney and pancreas function, and in regular use, also has a toning, antispasmodic and analgesic effect.

**FASTER. HEAVIER. BETTER.** The enhanced performance is reflected in improved key indicators (weight gain, feed conversion ratio, mortality, quality) and lower costs (feed, vet).



**DIRECTIONS OF USE**

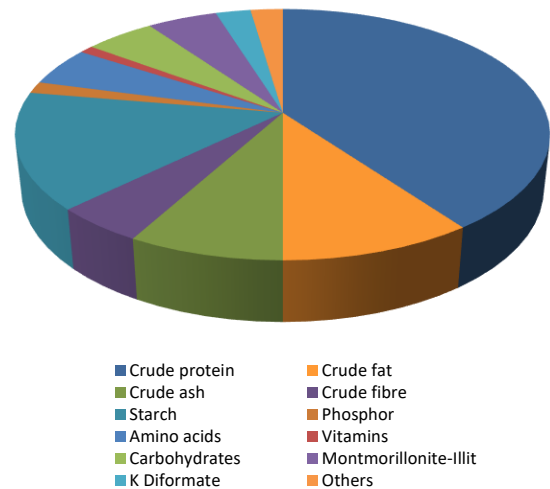
Application	Rate
Fish, shrimps	20% of conventional feed amount



MARE may be used at any time during production. Regularly use is recommended, at least use during the first phases (3-6mm pellet application time). Replace 20% of conventional feed by MARE. Apply MARE shortly before conventional feed to achieve best results.

**CHEMICAL-NUTRITIONAL VALUES**

Granulometry	3 / 6	mm
Dry matter substance	92	%
Crude protein	40	%
Crude fat	10	%
Crude ash	8	%
Crude fibre	4.7	%
Starch	15	%
Phosphorus	1.5	%
Amino acids	5	%
Vitamins	1	%
Bentonite-Montmorillonite-Illite	10	%
Organic acids	2.5	%
Others	2.3	%
Digestible energy	18	MJ



**PELLET SIZE**

3 / 6 mm, slowly sinking pellets.

**PACKAGE**

25 kg bags

**SHELF TIME**

12 months in unopened packages. Opened packages should be stored tightly closed.

## STORAGE

Store cool and dry. Temperature range +5...40°C. Protect from sunlight and frost.



## SAFETY

Read SDS carefully.

Keep out of reach of children.

Wear protection gloves and eye protection.

Avoid breathing dust/mist/spray.

Wash with water thoroughly after handling.



## COUNTRY OF ORIGIN

Federal Republic of Germany

## PRODUCER

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→ [www.sanbio.eu](http://www.sanbio.eu)

→ <https://www.youtube.com/channel/UCcP8e0Ev1wGnI93x44IGfMg>

## OTHER INFORMATION

SANBIO® is the registered trademark of SANBOS GmbH, Germany.

The data given above is based on our continuous quality monitoring system. They do not exempt the user from his obligation to make an incoming inspection of the delivered product. The data are for information purposes and do not constitute any guarantee. It is the responsibility of the user to determine the product's suitability for his intended use.

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