

Vital

ADDED VALUE PACKAGE

Alltech® FENNOAQUA

The Vital added value package maximizes the additional growth and well-being of the fish and at the same time the income from the fish. The package includes the Aquate premix, higher vitamin C and E concentrations and the Top3 well-being package.



The innovative Aquate premix

- Supports the immune response.
- Optimizes the functioning of the digestive tract by lengthening the intestinal villi. As a result, the fish grows better.
- Improves the function of the fish's mucus layer.



Vitamin C and E concentrations higher than normal growing feeds

- Both vitamins are effective antioxidants.
- Fat-soluble vitamin E is stored in cell membranes, where it protects cells from oxidation.
- Water-soluble vitamin C protects the cell from oxidation inside the cell (cytoplasm).
- Vitamin C enhances the utilization of vitamin E by regenerating already oxidized vitamin E.
- Both vitamins stimulate the fish's immune system.



Top3 wellness package

- Enhances the antimicrobial effect of organic acids and the effect of phytochemicals against gram-negative bacteria.
- Reduces the fish's risk of falling ill with common bacterial diseases caused by gram-negative bacteria.
- Improves growth and maximizes returns.

The ingredients contained in the package work as follows:

- Permeabilizer opens the cell wall of gram-negative bacteria, allowing the active ingredients to enter the bacterial cell.
- The organic acid enters the bacterial cell through the opening opened by the Permeabilizer and destabilizes the cell's normal pH by lowering it.
- Cinnamon oil prevents the division of bacteria.

BIO-MOS®

is a mannan-oligosaccharide, which is known to bind and drain opportunistic bacteria. This can result in a significant improvement of the intestinal flora. Additionally, it can improve the structure and length of the microvilli in the gut through which the nutrient intake can increase. **BIO-MOS®** contributes to mucous barrier protection.

ACTIGEN®

is derived from yeast cell walls and supports the fish's immune response. **Actigen®** furthermore optimizes growth in fish.

BIO-MOS®

Improves intestinal function

BIOPLEX®

Improves performance

BIOPLEX®

is a crucial element in our new premix. **BIOPLEX®** are organically bound trace elements such as zinc, copper, manganese & iron. With **BIOPLEX®** we can improve the health, growth & performance of the fish.

Break with tradition and feed your animals the modern way. Alltech has proven that chelated trace minerals in the form of Bioplex® and Sel-Plex® can be included at significantly lower levels while improving animal performance. This optimizes animal mineral requirements and reduces negative environmental impacts. We call this innovation Alltech's Total Replacement Technology™ (TRT).

ACTIGEN®

Helps maintain the immune system

TOTAL REPLACEMENT TECHNOLOGY™

AQUATE™