

# 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.

1

### 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.



2

### 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.



3

### 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.