

DUFA-ACID ORAL

Composition:

1 ml contains:

Lactic acid.....	50.0 mg
Propionic acid.....	83.0 mg
Formic acid.....	835.0 mg
Copper (chelated).....	1.7 mg
Zinc (chelated).....	1.7 mg

Description:

Dufa-Acid Oral contains a carefully selected blend of premium quality organic acids (lactic, propionic and formic acids) which have a synergistic effect on microbial control, combined with chelated minerals copper and zinc.

The three organic acids were carefully selected to achieve the best efficacy of the product in terms of acidification capacity (i.e. formic acid), antimicrobial strength (i.e. propionic acid), palatability (i.e. lactic acid) or effect on gut wall integrity.

Organic acids reduce the pH of the water and proximal part of the gut, which has a growth inhibiting effect on pathogens and stimulates the establishment of a balanced intestinal microbiota. Next to lowering the pH of the drinking water and proximal intestinal tract, organic acid is considered by the pathogens as a nutrient source (due to the carbon atom contained). Once inside the pathogen the organic acid lowers the internal pH which will have a bactericidal effect on the bacteria.

Highly bioavailable chelated zinc helps to enhance the gut barrier function and aid in restoring the gut lining, ensuring that the intestinal wall is strong and non-porous, while chelated copper exerts a direct antimicrobial action.

Utilizations:

Acidification of the drinking water and gastrointestinal tractus, for reducing and removing the pathogens (*Escherichia coli*, *Salmonella spp.*, etc) and promoting the normal beneficial gut microflora. For enhancing the health of the digestive tractus, thus for improving the production performance.

Dosage and administration:

Continuous administration in drinking water in a dosage of about 1 L/1000 L drinking water. Hard water may require a higher dosage, therefore the dosage should always be adjusted to obtain a pH in drinking water between 3.8 and 4.2. pH could be measured by using either a pH meter or pH strips.

Withdrawal times: Not applicable.

Storage conditions:

Store between 0°C and 30°C, in a well-ventilated area and do not freeze.

Packing: 1 litre bottles and 5 and 10 litre cans.