

# Truecid Pro

Innovative water acidifier



## Why Organic Acids?

Organic acids have been used extensively for more than 25 years in swine & recently in poultry. Feed acidifiers are acids included in feeds in order to lower the pH of the feed, gut, microbial cytoplasm. Thereby, inhibiting the growth of pathogenic intestinal microflora. It enhance the immune function, improve feed palatability & increase animal performance & also prevent the occurrence of diarrhea. It also plays role in increasing the bioavailability of trace elements & vitamins. Adding dietary acidifiers, improves the digestibility of protein & amino acids in the diets fed to birds. Average daily gain & FCR in birds improve significantly with dietary acidifiers. It also reduce the formation of biogenic amines that are produced particularly in high protein feeds. They have synergistic reaction with antibiotics & reduce or prevent the occurrence of drug resistance.

## TRUECID PRO

Truecid pro ensures average daily gain & FCR in birds. It helps in digestion, absorption & utilization of feed. It also helps to control salmonella & other growth of negative bacteria. It also increase the bioavailability of trace elements & vitamins

## MODE OF ACTION

Organic acidifiers show a complete action by reducing pH of the environment as well as they enter into the bacterial cell to cause cell destruction & stop cell multiplication. Organic acids dissociates incompletely into gut & undissociated state (non-ionised, more lipophilic) penetrate the semi-permeable membrane of bacterial cell, the acid dissociates. Protons are produced which lower the delicate pH balance in the cell & in an attempt to pump out proton from cell a lot of ATPase are utilized. Hence bacterial cell is deprived of energy required for its survival. It produces some synergistic action of some acids like formic acid, citric acid & lactic acid.

Citric acid reduces the pH in the gut & favors optimal enzymatic activity. Formic acid improves nutrient digestibility & control gut bacteria. Lactic acid & propionic acid have anti-microbial effect, improve gut health & improve feed intake.

## ADVANTAGES

- Targetted reduction of harmful bacteria & fungus
- Long term control of salmonella, Ecoli & other harmful bacteria
- Improves FCR
- Improved preconditions for digestion
- Favors intestinal flora
- Favors optimal enzymatic activity
- User friendly

## DOSAGE/USAGE

0.25-0.5ml in 1litre of drinking water

OR

As per the directions of the veterinarian.

NOTE: check ph level of water before acidification. It should not fall below 4

## PRESENTATION

500ml, 1, 5, 20litre

Note: As situation vary from country to country. Truevet technical staff may be contacted for assistance in determining optimum & customized feed inclusion rates for specific farming conditions & nutritional requirements.



**TRUEVET ANIMAL NUTRITION PRIVATE LIMITED**

101 3rd Cross, Khanday Colony, South City, Nowgam

Byepass-1900015

Srinagar, Jammu & Kashmir India

Contact: [info@truevet.in](mailto:info@truevet.in)

PHONE +911942000192 | +91 7298515188



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