





# WATER SOLUBLE SOLID ACIDIFIER

## GUT ENVIRONMENT MODIFICATION

The buffered salts of organic acids in EXOCID-WSSA are considered as best for gut environment modifications creating an environment beneficial for normal microflora and detrimental to colonization by enteric pathogens.

Alternatives to Antibiotic Growth Promoters.

The organic acids improves the digestive enzymes activity, microbial phytase activity, reduces small intestine pH and increases growth of intestinal mucosa.

- Eliminates contamination in drinking water, lowers the pH of water.
- Strong effect against enteropathogens
- Improved digestion and absorption of nutrient



## BENEFITS

- Improvement of Water Quality by sanitizing the water.
- Water Acidification and removal of biofilms.

Effective in lowering the pH of drinking water. It does not allow the growth of pathogenic microorganisms in the water. Most of the water borne enteric pathogens cannot grow at lower pH, making the water safe from bacterial / fungal contamination. With the help of WSSA it becomes easy to scrap out the biofilms from the pipeline.

- Broad spectrum activity against enteropathogens

Non dissociated form of organic acids in EXOCID-WSSA are lipophilic in nature and it can enter the bacterial cells. Due to neutral pH of bacterial cytoplasm it readily dissociates to release organic acid from mineral which reduces the cellular pH of bacterial cell which kills the bacteria.

- Control of E. coli, Salmonella, Clostridia

Birds take up these pathogens from contaminated water and feed and first colonize in the proximal digestive tract of birds before moving to the hind gut. With the acidification of water due to EXOCID-WSSA in the proximal digestive tract the introduction of pathogenic microorganisms in the gut is prevented.

- Growth Promoting Effects