



DATA SHEET

HQ-PH GUARD

HQ-PH GUARD is a natural product for the drinking water that combines acidification and anti-bacterial activity with balancing of the gut. It is strong anti-microbial to stabilize the drinking water and compensates the physiological hydrochloric acid deficiency in the stomach of young animals. HQ-PH GUARD is fortified with gluconic acid. The gluconic acid is not digested by monogastrics and fermented in the hind gut into butyric acid. This improves the gut health. HQ-PH GUARD is used in the drinking water and in the feed.

Shape	Liquid
pH 1% solution in water	± 3
Odour	Acidic and aromatic
Colour	Brown
B5	± -750
Safety	Corrosive (ADR)

INGREDIENTS	Optimal combination of acids and their salts and anti-bacterial naturalextracts. Acids: Formic acid, Ammonium Formiate, Lactic acid, Gluconic acid, Acetic acid and Propionic acid. Other ingredients: Emulsifiers and Copper sulphate. ALL PRODUCT INGREDIENTS COMPLY WITH EC-REGULATIONS AND ARE BIODEGRADABLE
MODE OF ACTION	HQ-PH GUARD prevents microbial growth in the drinking water, and lowers the buffering capacity of the feed. This results in a lower pH in the stomach. HQ-PH GUARD has the specific ability to penetrate bacteria through the cell wall and kill the bacilli by interfering with its metabolism. HQ-PH GUARD contains gluconate that is fermented into short chained fatty acids, mainly butyric acid) in the hind gut. Butyric acid prevents pathogenic damage and improves gut health.
ADVANTAGES	<ul style="list-style-type: none">• Prevents the growth of pathogenic micro-organisms• Improves gut health/ gut integrity• Butyrate is produced where it is needed and available along the intestine• No butyric acid smell• Reduces health problems• Improves the growth and feed conversion rate
DOSAGE	Use at least 1 kg/1000 ltr of drinking water. Higher dosages are advised with higher contaminations or high levels of calcium in the water. Contact your supplier for information about custom-tailored applications.
STABILITY	Will remain stable for 2 years under normal storage conditions (dry, cool and out of direct sunlight) and if stored in the original sealed packaging. Color changes will not affect product performance.
PACKAGING	IBC's of 1000 liters net, drums of 200 liters, cans of 25 liters and 5 liter, bottles of 1 liter.

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