



Novibac[®]

Complex containing multiple barriers for feed hygiene

Feed hygiene is aimed at ensuring that controls throughout the feed chain are strengthened. Animal feeds are routinely subject to contamination from different sources which includes bacterial and fungal origin. One of the prime concern in feed safety is Salmonella control. Salmonella is a major microbial hazard in animal feed. Principles of Salmonella control can be divided into 3 broad categories; prevent contaminated raw materials from entering, reduction of microbial multiplication and procedures designed to kill the pathogen. Novibac[®] controls Salmonella by killing the organisms with organic acids and by reducing conditions that lead to growth.

To safeguard the animal feed also means to guarantee an optimum productive performance of the animal. Thus, to protect the animal further organic acids for mould control are added.

Novibac[®] is feed hygiene solution which combines the effectivity of bacterial killing action and mould control.

On industrial perspective, the use of Novibac[®] gives advantage because it is non-corrosive to the equipment.



Salmonella reduction after acid treatment in pelleted feed was greater compared to non-treated (Koyuncu et. al., 2013)

Novibac[®] is a multifunctional complex containing multiple barrier to stop bacteria and mould growth. Its organic acid blend is especially designed to control pathogenic bacteria and moulds in raw materials and feeds.

Features:

- Salts of propionic acid, formic acid and benzoic acid as main composition.
- Formic acid has low Minimum inhibitory concentration (MIC) against pathogenic bacteria.

	Formic acid MIC (%)
Salmonella typhimuriun	0.10
Escherichia coli	0.15
Listeria monocytogenes	0.10
Campylobacter jejuni	0.10
Clostridium perfringens	0.15
Clostridium botulinum	0.10
Pseudomonas aeruginosa	0.10
Staphylococcus aureus	0.15

- Propionic acid inhibited mold growth effectively in concentration (MIC) range of 0.1 – 0.2%.
- Benzoic acid has synergistic activity against yeast, bacteria and mold. Its effectiveness increases as pH decreases.

Advantages:

- Organic acid blends with low MIC both for bacterial and mould control
- Synergistic action increases effectivity
- Non-corrosive form
- Stable and non-volatile

Innov ad sa/nv

69 postbaan, 2910 Essen – Belgium

Tel. +32(0) 3 667 16 55

Fax +32(0) 3 670 05 05

www.innovad-global.com

info@innovad-global.com



25 kg packaging

Dosage:

Feed: 1—3 kg/T

Protein Meal: 5 kg/T

Fish Meal: 15 kg/T