

ANTIOXIDANTS

3A

food, feed & fuel

## COMMERCIAL DESCRIPTION

### ANTI-SALMONELLA DISINFECTANT FOR MEALS AND FEEDS



## DESCRIPTION

Meat and fish meals obtained from the treatment of animal by-products from slaughterhouses, butchers and cutting rooms and canneries can be contaminated by microorganisms such as *Salmonella*, *E. coli*, *Clostridium* and *Enterobacteria*.

3A offers a range of preservatives that are fully effective against these pathogens for the treatment of meal and feed, as well as a technical service that reviews the facilities to detect critical points vulnerable to contamination.

## PRODUCTS

- **Econox BFV:** In addition to protecting the feed, it contains bioflavonoids that help prevent intestinal salmonellosis.
- **Econox FP:** Liquid preservative for animal feed, pet food, meat meal... Available in liquid and powder. Broad spectrum of action.
- **Econox PFL:** Progressive release that allows its action over time.
- **Econox CIN:** With essential oils that improve the microbiological flora of the intestinal tract of the animal and all advantages that derive from it.

## DOSAGE EQUIPMENT

3A Antioxidants has a technical advisory service that reviews the facilities to detect possible sources of contamination and offers automatic dosing equipment for the correct dosing of the preservatives.



[www.tres-a.net](http://www.tres-a.net)

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## COMMERCIAL DESCRIPTION

### ANTIOXIDANTS FOR MEALS AND FATS



## DESCRIPTION

Meat and fish meals, as well as fat, obtained from the treatment of animal by-products from slaughterhouses, butcheries, cutting rooms and canneries are highly unstable and easily oxidizable materials.

Their processing requires temperature and pressure conditions that favor oxidation and the formation of peroxides, compounds that are responsible for rancid taste and odor.

In addition, meat & fish meal with a high peroxide index poses a risk of self-combustion that can set fire to the material and facilities where it is stored. Hence, stabilizing these materials is of paramount concern.

3A offers a wide range of synergistic blends of antioxidants for the treatment of meals and fats. Depending on the animal origin, 3A offers a recommendation for each raw material, according to the profile of fatty acids.

## PRODUCTS

- **Abutox/Abutox Forte/Bebutox:** Antioxidant for meals and fats that will be consumed in short periods of time.
- **Anitox/Anitox Forte:** Recommended for the most unstable meals and fats (poultry, fish, multispecies) or destined for export or a long period of storage.

## DOSAGE EQUIPMENT

3A Antioxidants has a technical advisory service "in situ" and offers automatic dosing devices and mixers for the correct dosage and homogenization of antioxidants.



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## COMMERCIAL DESCRIPTION

# NATURAL ANTIOXIDANTS IN ANIMAL FEED



## DESCRIPTION

The increasing concern of pet food manufacturers is to control the stability of feed as well as raw materials (meals, fats and premixes) with natural antioxidants.

3A Antioxidants has extensive experience in stabilization with natural antioxidants. We offer both powder and liquid formats. Our synergistic blends are formulated with tocopherol, a natural extract of rosemary and other tested extracts with antioxidant potential due to their high content of tannins, such as tea, pomegranate or grape.

In addition, 3A also provides natural carriers, not only active principals. Using natural carriers improves the health of animals while reducing the risks for employees during handling.

## PRODUCTS

3A offers different ranges of antioxidants depending on the natural extracts:

- **Nattox:** synergistic blend of tocopherol and rosemary.
- **Naturnox:** different percentages of natural extract rich in tocopherols.
- **Tanicit:** innovative blend of other natural extracts.

## DOSAGE EQUIPMENT

3A Antioxidants has a technical advisory service "in situ" and offers automatic dosing devices and mixers for the correct dosage and homogenization of antioxidants.



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