



*The Great Advantages
of Coated Products*



Specialities



The Great Advantages of Coated Products

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Coated METHOAir



COATED METHO AIR is a premix for ruminant formulated to exploit the synergy of active ingredients supplies to the animals, subjected to the strong stresses of the intensive breeding, the capacity to resist to the pathogenic challenges and to maintain a better health status with better productive performances. Each ingredient has a wide number of activity that can have positive influence on the digestive system, respiratory apparatus and also immune system.

NATURAL ACTIVE INGREDIENTS



EUCALYPTOL and **MENTHOL** for the prevention and the treatment of respiratory disorders. Eucalyptol, being balsamic, expectorant and fluidifying, is efficiently active in maintaining free the respiratory tract. In its activity is supported by the pairing with Menthol that, besides to be balsamic and fluidizer, is also antispasmodic on the smooth musculature of the respiratory and digestive system.

The alcoholic constituent of peppermint oil, namely the menthol, acts as a local anesthetic and disinfectant.

Inhaled menthol alleviates laryngitis and bronchitis.

Eucalyptus oils have anti-inflammatory, antibacterial, antiviral and antifungal activities.

They inhibit the cyclo-oxygenase, the main enzyme in the prostaglandin pathway, and thus exhibit an anti-inflammatory property; moreover, they have a cough inhibiting effect.



In the direction of preservation of the best animal health COATED METHO AIR is also addressed to the protection of intestine from pathogenic agents. The essential **oils CARVACROL** and **THYMOL** synergistically operate as antiseptics and antimicrobials creating an environment suitable for the developing of the proper bacterial flora, with an immune system more efficient in an organism not run down by inflammation processes.

Essential oils with an antibacterial character generally contain a higher percentage of phenolic compounds, such as carvacrol and thymol, main components of plants such as oregano and thyme.



All the effects are boosted and completed by the presence in COATED METHO AIR of **CINNAMIC ALDEHYDE**. An essential oil extracted by cinnamon, that has an antioxidative effect able to reduce the cellular stress and the level of detrimental inflammation states. Cinnamic Aldehyde has an antibacterial activity too.

After 72 hours of incubation showed inhibitory properties on the growth of all pathogenic.

The colonies of S.aureus and B.cereus in the Sulgidduk containing cinnamon powder were significantly lower than the control.

INFORMATION

Indications:

- Improves respiration and air passage.
- Reduces Mucus accumulation and discharge out of respiratory cavities.
- Reduces the negative effects of causing disease as well as quick recovery.
- Reduces stress and loss of valuable feed intake.
- Improves resistance to all respiratory infections.
- Reduces the negative effect and stress due to live vaccination.
- Improves survivability and reduces mortality.

Additives per kg:

Carvacrol, Eucalyptol, Menthol, Cinnamic Aldehyde, Thymol.

Excipients:

Hydrogenated fat up to 1 kg

Recommended dosage:

Mix carefully and according to the good manufacturing procedures with the following dosages:

- Broilers and Turkeys in stress condition: 300-400 g/1.000 kg of feed
- Prevention for Broilers: 100-150 g/1.000 kg of feed
- Prevention for Layers: 80-100 g /1.000 kg of feed
- Piglet: 300-400 g/1.000 kg of feed
- Fattening pig and sow: 150-200 g /1.000 kg of feed

Always close the packaging after use.

To stock in a dry, cool and clean environment, away from direct sunlight.

Packaging:

- **Box:** 100 g - 500 g - 1 kg - 20 kg

Coated SALIX *Plus*



The inflammatory state is the cause and the symptom of numerous clinical and subclinical problems. **COATED SALIX PLUS** is a concentrate of extracts, with marked anti-inflammatory and antipyretic activity, which act in a synergistic way. The active ingredients, totally of vegetable origin in glycolic suspension, guarantee total safety of use.

NATURAL ACTIVE INGREDIENTS



GAULTHERIA PROCUMBENS L: is a polyphenolic-rich medicinal and food plant. Its leaves, stems, and fruits are traditional anti-inflammatory, antipyretic, antioxidant, and antimicrobial herbal medicines used to treat internal and external inflammation-related ailments, including rheumatic diseases, influenza, the common cold, fever, and skin and periodontal problems. Moreover, *G. procumbens* leaf extract is used for skin care as an anti-ageing and anti-wrinkle ingredient.



WHITE WILLOW BARK: has been used throughout the world as an antipyretic and analgesic.

INFORMATION

Indications:

anti-inflammatory, antidiarrheal, anti-pyretic action

Additives per kg:

Salix (white willow bark) dry extract,
Gaultheria Procumbens extract.

Excipients:

Hydrogenated fat up to 1 kg

Recommended dosage:

Mix carefully and according to the good manufacturing procedures with the following

dosages:

- Poultry: 1 - 1,5 kg / 1.000 kg of feed
 - Sheep and goats: 5-10 g/head/day
 - Cattle and camel: 20-50 g/head/day
- Always close the packaging after use. To stock in a dry, cool and clean environment, away from direct sunlight.
- Piglet: 1 kg/1.000 kg of feed
 - Fattening pig and sow: 0,5kg / 1.000 kg of feed

Packaging:

- **Box:** 100 g - 500 g - 1 kg - 20 kg

Coated OMEGA Fert



COATED OMEGA FERT is a microencapsulated premix developed for dairy cow, saw, sheep and goats, designed to improve fertility and strengthen the immune system. The high concentration of Omega-3 makes this product particularly effective in promoting the ovarian cycle. The product is enriched with beta-carotene, which is a key nutrient for fertility. It is not only a precursor to vitamin A, but also has direct and independent effects on the reproductive system.

NATURAL ACTIVE INGREDIENTS



FISH OIL: oil is a feed used in dairy cattle breeding. Its beneficial properties are mainly due to the presence of omega-3 polyunsaturated fatty acids. Omega-3s have a positive impact on reproduction by helping to regulate the estrous cycle and influencing the synthesis of hormones involved in the reproductive cycle.

Omega-3 are known for their immunomodulatory properties. They can help the immune system of animals, making them more resistant to infections and improving their ability to recover from stress and illness, especially during the transition period (before and after calving).



BETA CAROTENE: positively affects the quality of the follicle and corpus luteum. It acts as an antioxidant, protecting the enzymes involved in the production of sex steroid hormones (such as progesterone) from free radical damage.

This contributes to proper follicular dynamics and the maintenance of corpus luteum function. It helps prevent problems such as impaired follicle function, ovarian cysts, premature embryonic death, and recurrence of estrus.

INFORMATION

Indications:

- Improve fertility

Additives per kg:

Fish oil (engraulis ringens, sardina pilchardus), beta carotene

Excipients:

hydrogenated fat up to 1 kg

Recommended dosage:

Mix carefully and according to the good manufacturing procedures with

the following dosages:

- Poultry: 1 kg / 1.000 kg of feed
- Sheep and goats: 5-10 g/head/day
- Cattle and camel: 20-50 g/head/day

Always close the packaging after use. To stock in a dry, cool and clean environment, away from direct sunlight.

Packaging:

- **Box:** 100 g - 500 g - 1 kg - 20 kg

Coated LIVER *Deep*



The liver is the most important organ to indicate the wellness state of the animals.

COATED LIVER DEEP is a premix with potent liver protective properties and recovery capacity of damaged liver tissue.

COATED LIVER DEEP has been made with ingredients widely recognized by the scientific community for their activity. Has been formulated

NATURAL ACTIVE INGREDIENTS



ARTICHOKE extract: Therapeutically, artichoke extract has been used since 14 century in medical sciences for the treatment of cholestrolemia, triglyceridemia and has hepatoprotective properties (Brand et al., 1992; Zargari, 2003). Artichoke extract has protective activity in liver.

Artichoke leaves extract (ALE) has been used, traditionally, for jaundice and liver insufficiency and it has been suggested as a harmless yet effective treatment option for hypercholesterolemia (Pittler et al., 2005).

The recent ban on antibiotics in poultry feed has served to focus much attention on alternative methods of controlling the gastrointestinal microflora, artichoke extract was suggested as alternative option for controlling gastrointestinal microflora (Kleessen et al. 2003).

Schutz et al. (2004) reported that, the total phenolic contents of approximately 12 g/kg on a dry matter basis in artichoke pomace is a promising source of phenolic compounds that might be recovered and used as natural antioxidants or functional food ingredients.

Many researchers reported that the specific activity of lipase in chicks decreased during the first six days after hatching and then increased up to 21 days of age (Krogdahl and Sell, 1989; Nitsan et al., 1991 and Uni et al., 1995). In addition, several data suggested that the bile secretion into the duodenum in young chicks (less than 3 weeks of age) might be not adequate for efficient fat utilization (Carew et al., 1972 and Katongol and March, 1980). Jin et al. (1998) discussed the development of digestive system in post-hatch poultry and concluded that the increase in ME value with age are partly due to increase in dietary fat utilization.



Extract from CARDUS MARIANUS (*Silybum marianum*): Silymarin is a complex of flavonolignane: silychristin, silydianin, silybin and isosilybin.

Silybin, in the form of soluble diemisuccinate, is also used in antipoison centre as an injectable treatment for *Amanita phalloides* intoxications.

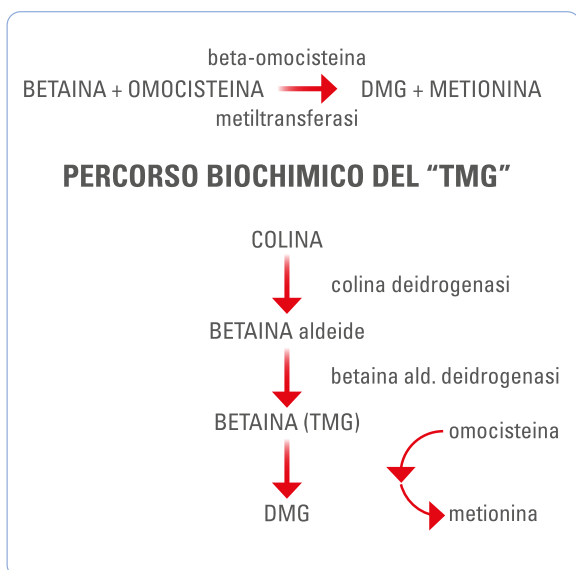
(Desplaces et al. 1975; Choppin and Desplaces 1978)

Silybin is bind with P-glicoprotein (Pgp), that can excrete drugs from cells reducing intracellular accumulation of citotoxic drugs.

(Maitrejan, 2000)

Silymarin have shown anti-inflammatory and anticarcinogenic properties in liver tissue acting on immune system modulation. *(Dehmlow et al. 1996; De la puerta et al. 1996; Luper 1998)*

Coated LIVER Deep



BETAINE: betaine increases intracellular water retention and therefore protects intracellular enzymes against osmotic induced inactivation. As a methyl donor, betaine participates in the methionine cycle (mainly in the liver) and can be further used in trans methylation reactions for synthesis of essential substances like carnitine and creatine.

The regulation of cellular hydration state, and therefore cell volume, is important for maintenance of cell function and several metabolic pathways (i.e.: protein turnover, amino acid carbohydrate, etc.). Cells try to adapt to external osmotic stress by accumulating inorganic ions (Na⁺, K⁺, Cl⁻) and organic osmolytes (methylated amines and certain amino acids).

Several scientific publications showed the proof of principle that betaine anhydrate can be used to overcome heat stress.

Attia et al., (2009) showed that the impact of severe heat stress could partially be overcome by adding betaine to the diet in slow growing broilers.

Dietary supplementation of betaine reduces the requirement for other methyl-group donors, such as methionine and choline.

INFORMATION

Indications:

Potent hepatoprotective properties and recovery capacity of damaged liver tissue

Additives per kg:

Artichoke extract, Extract from Cardus Marianus (Silybum marianum), Betaine

Excipients:

Hydrogenated fat up to 1 kg

Recommended dosage:

Mix carefully and according to the good manufacturing procedures with the following dosages:

- Poultry: 1 - 2 kg / 1.000 kg of feed
 - Sheep and goats: 5-10 g/head/day
 - Cattle and camel: 20-50 g/head/day
- Always close the packaging after use. To stock in a dry, cool and clean environment, away from direct sunlight.
- Piglet: 1 kg/1.000 kg of feed
 - Fattening pig and sow: 0,5kg /1.000 kg of feed

Packaging:

- **Box:** 100 g - 500 g - 1 kg - 20 kg

COATED TAN 50



COATED TAN 50 is a complementary feed developed for poultry, designed to improve intestinal health and boost the immune system.

These natural ingredients are known for their beneficial effects on the digestive system and overall animal health, especially under stress conditions common in intensive farming.

NATURAL ACTIVE INGREDIENTS



Chestnut Tannins

Chestnut tannins are plant-derived polyphenolic compounds known for their astringent properties, which aid in reducing intestinal inflammation and binding harmful substances. They help stabilize the intestinal mucosa, reduce gut permeability, and prevent diarrhea by maintaining optimal gut flora. Additionally, tannins have antimicrobial properties, particularly against pathogenic bacteria, contributing to improved feed efficiency and animal performance.

Benefits:

- Promotes a balanced gut microbiota.
- Reduces inflammation and gut permeability.
- Aids in the control of diarrhea and digestive disorders.
- Enhances nutrient absorption and feed efficiency.

INFORMATION

Indications:

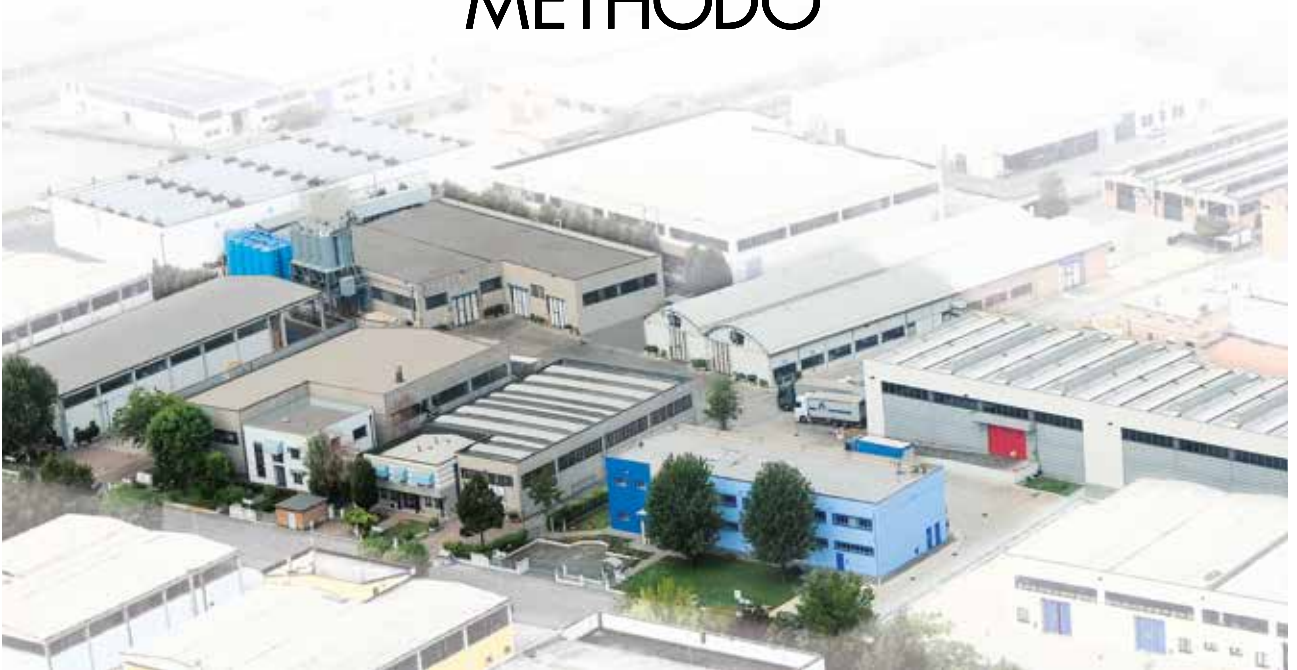
- Improved Gut Health: Designed to support and maintain the intestinal well-being of poultry, especially under stressful conditions like vaccinations, dietary changes, or pathogen exposure.

Recommended dosage:

- Broiler and Layers: treatment 750 g /1000 kg of feed administered over 5-7 days
- Broiler and Layers: prevention 300-400 g /1000 kg of feed
- Piglets: treatment 1 kg/1000 kg of feed
- Piglets: prevention 400-600 g /1000 kg of feed

Packaging:

- **Box:** 100 g - 500 g - 1 kg - 20 kg



Animal health is Coated



FORMULATION, MANUFACTURING OF COMPLEMENTARY FEEDS AND PREMIXES
TRADING OF FEED MATERIALS AND FEED ADDITIVES

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