



ANIMAL & FEED

HYGIENE

BROCHURE

FEED & FARM SOLUTIONS



The exclusive European source of attapulgite clay and natural bentonite / attapulgite blends. Geohellas, a mineral processor & developer of tailor-made solutions for safe feed for productive animals, is offering, besides the prevention & treatment of mycotoxicosis, the optimization of animal gut performance that induces zootechnical effects. With a dedicated R&D department, a very close collaboration with integrators & feed producers across the world and leading-edge manufacturing facilities, Geohellas is continuously innovating by delivering an expanding portfolio of superior technical solutions to improve health status & performance of all productive species.

MECHANICAL ACTIVATION OF ATTAPULGITE

THERMAL ACTIVATION OF ATTAPULGITE

ULTRAFINE MILLING OF ATTAPULGITE (HIM/PM/JM)

AIR-SEPARATION FOR REFINING OF ATTAPULGITE PARTICLES

ATTAPULGITE COMPOSITES

DYNAMIC TREATMENT OF ATTAPULGITE COMPOSITES (JM)

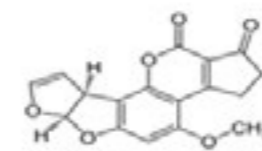
Attapulgite is a rare magnesium aluminosilicate clay with a great surface area (350m²/g) and a very high-water absorption capacity (over 200%). Special innovative thermo-mechanical productive methods applied by Geohellas, enhance internal (hydrophilic/anti-diarrheal) and external (oleophilic/mycotoxin binding) surface properties of attapulgite. The extremely rich resources of attapulgite raw materials, in combination with the dynamic milling treatment, the refining through air separation methods and the special blending with essential oils, yeast and enzymes, offer the animal feed sector essential tools against everyday challenges (mycotoxin protection, strengthening of digestive health, zootechnical indexes performance, biosecurity in livestock buildings through reduction of ammonia & volatile compounds). GEOHELLAS tailor made solutions for premix & feed apply to all productive animals (Broilers - Layers - Ducks - Turkeys, Pigs, Dairy Cows, Cattle, small Ruminants), as well as horses and aqua.

ATTAPULGITE'S FEED & FARM SOLUTIONS OFFER:

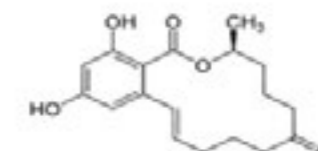
- 1. MYCOTOXIN AND BACTERIAL TOXINOGENS PROTECTION (LOW TO HIGH CONTAMINATION LEVELS)**
- 2. ANTI-DIARRHEA PREVENTION**
- 3. ENHANCED GUT HEALTH**
- 4. IMPROVED ZOOTECHNICAL INDEXES**

Trials conducted at external labs (TRILOGY USA) vs Competition for measuring mycotoxin adsorption efficiency. Attapulgite based products are value for money solutions for Feed Producers & Integrators.

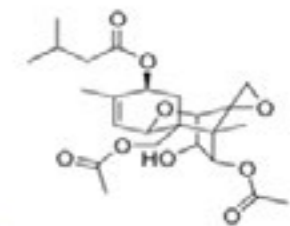
MAJOR MYCOTOXINS PRODUCED BY FUNGI



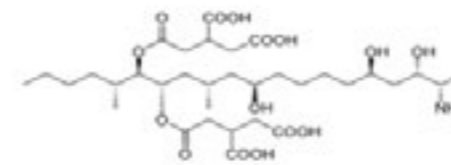
AFLATOXIN (AFLA)



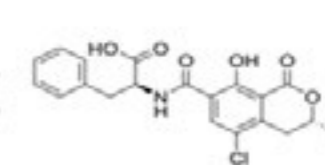
ZEARALENONE (ZEN)



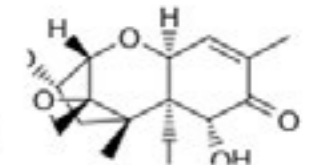
T2



FUMONISIN (FUM)



OCHRATOXIN (OTA)



DEOXYVALENOL (DON)

SANFED[®]

COMPLETE RANGE OF ANTIOXIDANT FEED
INGREDIENTS AND NUTRITIONAL SUPPLEMENTS.

NEW
PRODUCT

SANFED BASIC RANGE

SANFED[®] POWDER, SANFED[®] PREMIX, SANFED[®] 40

They can be used in feed and premix to bind Aflatoxin (efficiency 100%), offer high anti-diarrhea prevention and improve feed technological characteristics (free flow and pellet binding).

SANFED MEDIUM RANGE

SANFED[®] ULTRA

Mechanically and thermally treated attapulgite offering 60-70% toxin binding efficiency (Zearalenone, Aflatoxin, Ochratoxin, Fumonisin, T2, DON) and high anti-diarrhea prevention.



NEW
PRODUCT

SANFED ADVANCED RANGE

SANFED® OPTIMAL PREMIUM

SANFED® ACTIVE CARBON M COMPLEX

Advanced solutions by Geohellas with mechanically and thermally treated attapulgite offering more than a 90% average toxin binding efficiency (Zearalenone, Aflatoxin, Ochratoxin, Fumonisin, T2, DON), anti-diarrheal effect and elimination of wet litter. Along with a dynamic milling treatment after blending with Activated Carbon, Enzymes, Oregono extract (antiviral & anti-microbial action) & phytobiotics, we provide high end attapulgite solutions for animal feed & farms.



INNOVATIONS IN THE SANFED ADVANCED RANGE

NEW PRODUCT

SANFED® OPTIMAL PREMIUM (LAUNCHED IN 2024)

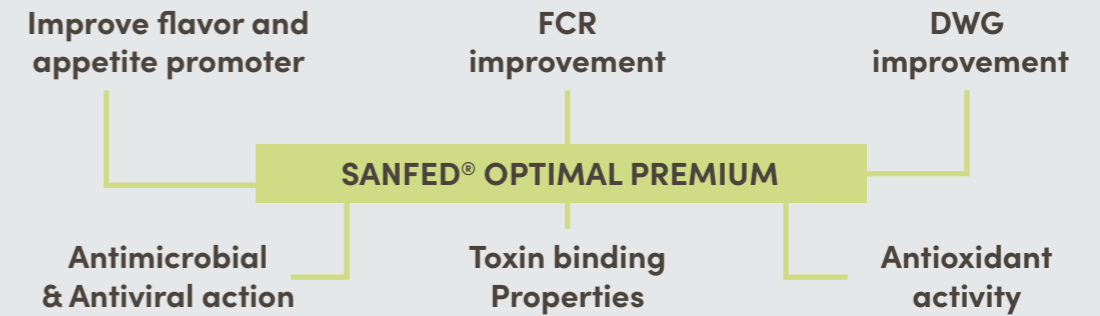
SANFED® Optimal Premium is an activated attapulgite product (mechanically & thermally treated), dynamically processed with essential oil of oregano. It is used as a mineral feed ingredient for all productive animals (Broilers - Layers - Ducks - Turkeys, Pigs, Dairy Cows, Cattle, small Ruminants, Horses, Aqua):

offers high binding of mycotoxins and bacterial toxinogens.

acts as anti-microbial & anti-viral agent due to oregano extract synergistic effects,

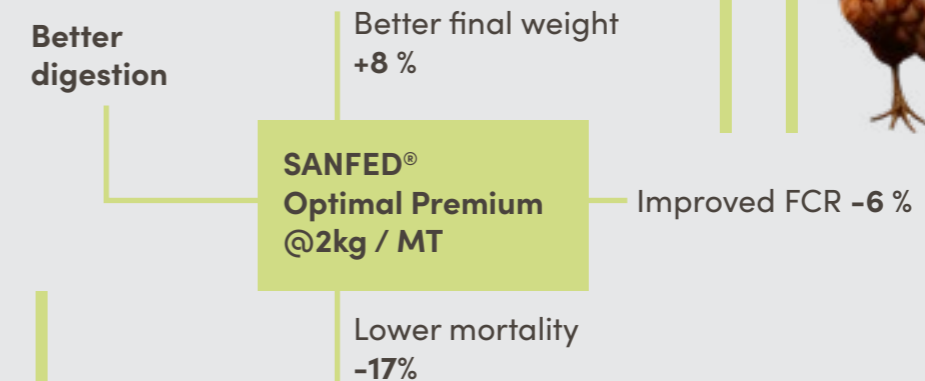
reduces mortality rates.

Its functional use regards a 0,2 % addition in complete feed, as digestive enhancer (improver of gut health) & anti-diarrheal agent, offering improved zootechnical indexes and simultaneously an extremely good protection towards mycotoxins and bacterial toxinogens. Three products in one: anti-microbial, anti-diarrheal, toxin binding properties!

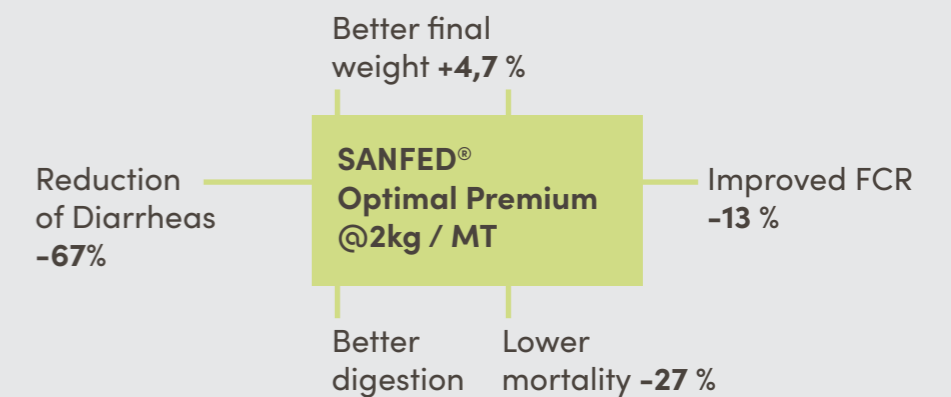


Sanfed Optimal Premium with essential of *Origanum vulgare* (Carvacrol > 85 %) Steam-distilled oregano with no solvents or preservatives, or additives.

SANFED® OPTIMAL PREMIUM Zootechnical properties - Broilers



SANFED® OPTIMAL PREMIUM Zootechnical properties - Pigs



ULTRAFED®

NATURAL ALTERNATIVES FOR GROWTH PROMOTION



ULTRAFED®

ULTRAFED® series are activated attapulgite clay products that are used as mineral feed ingredients in complete feed to protect from toxins, microbial enterotoxins and to enhance health status and performance of the productive animals (Broilers - Layers - Ducks - Turkeys, Pigs, Dairy Cows, Cattle, small Ruminants, Horses, Aqua).

PREMIUM ANTITOX

An elaborated solution for Integrators focusing not only on the prevention of bacterial & mycotoxin contamination, but also in the treatment of more severe cases. Special blending techniques with essential oils, active yeast, activated carbon and various types of enzymes with mechanically and thermally treated attapulgite offer high synergetic actions for improved intestinal health and performance.

AXORB®

BIOSECURITY IN LIVESTOCK BUILDINGS



AXORB®

A series of natural litter conditioners based on Attapulgite, used for a fast drying and disinfecting action of the litter of various productive animals (dairy cows, goat / sheep, calves, broilers, layers, pigs, horses, rabbits etc.).

AXORB® series of products absorb water and neutralize ammonia and volatile compounds protecting productive animals from respiratory complications and microbial contaminations, optimizing the environmental conditions in the buildings and the health status of the animals.

Our AXORB®-F Willow product incorporates Geohellas proprietary technology called Odor Attack that contains a new Advanced Science formula for targeted odor elimination. AXORB® F-WILLOW offers fast neutralizing of ammonia and volatile compounds, high water absorption, reduction of respiratory complications, protection against bacterial infections (e.g. pododermatitis), accelerates healing of the navel area and protects from dermal infections the newborn piglets. It can be applied easily, via fertilizer spreader, garden blower, or VYNC spreader.

CUSTOMIZED PRODUCTS

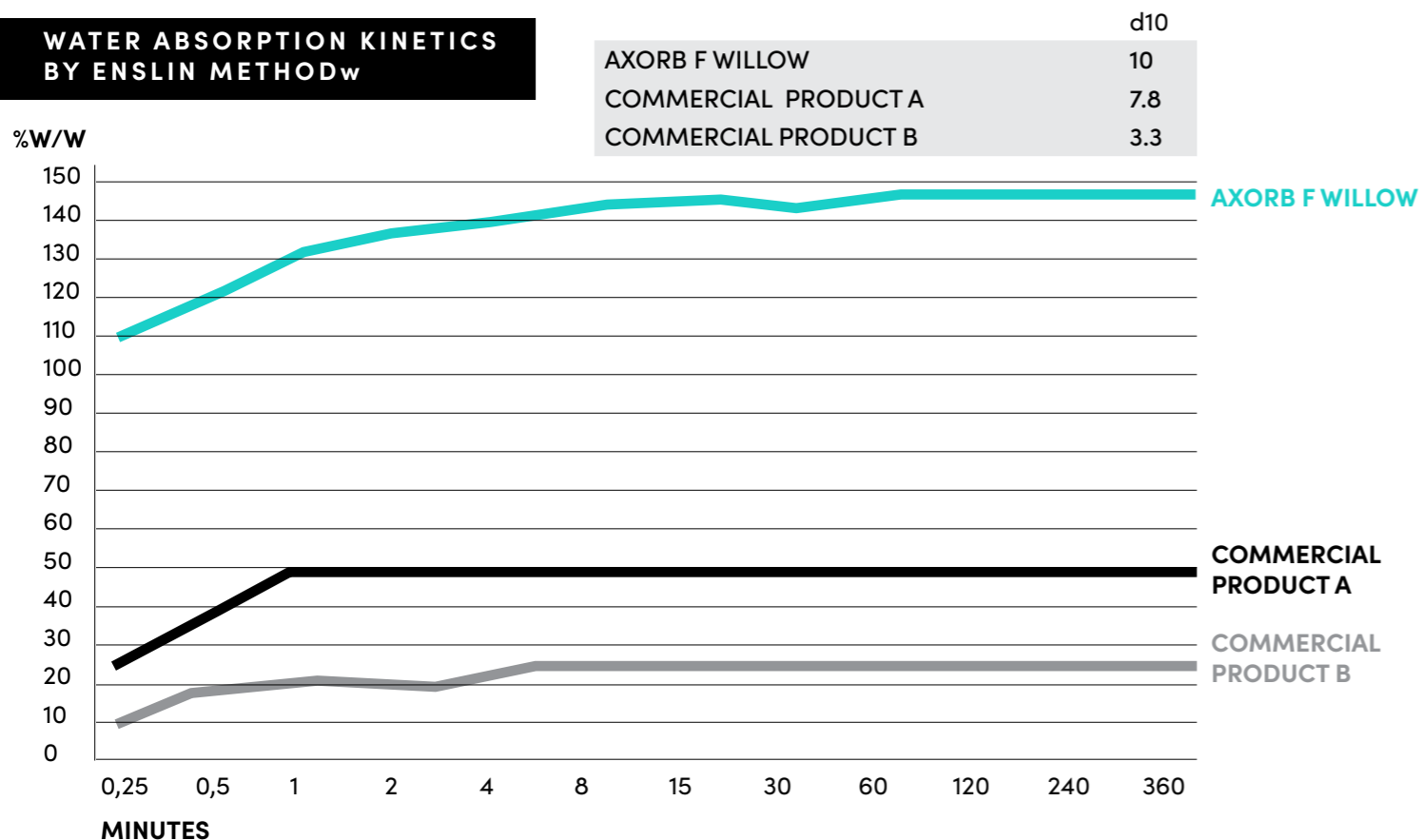
WITH YOUR BRAND!

PAPER VALVE BAG: 10-25KGS

PLASTIC VALVE BAG: 10-25KGS



WATER ABSORPTION KINETICS BY ENSLIN METHOD_w



CERTIFICATIONS

To guarantee excellent quality for all Geohellas products, an advanced quality management system that conforms to the ISO 9001:2015 norms as certified by Lloyd's Register is established. This dedication to quality is complemented by a strict adherence to hygiene, and safety. Geohellas has also been accredited with ISO 9001:2015/HACCP by Lloyd's Register and FAMI-QS to produce functional feed ingredients and Specialty Complementary Feed. Additionally, attapulgate powder, granular and extruded / heat treated forms have been registered by GMP + and by Secure Feed for the Dutch market. This value-adding approach is securing for Geohellas a growing industry reputation. Our commitment to respect and protect the environment is also reflected by our ISO 14001:2015 certification by Lloyd's Register.



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