

ZEOLITE CLINOPTILOLITE

APPLICATION AS



ADDITIVE FOR PET FOOD

WIDE SPECTRUM ADDITIVE FOR ADDITIVE

Zeolite - Clinoptilolite mineral is a popular feed additive in poultry, livestock animals and in fish diets. It is used in huge volumes, mainly as a toxin binder, due to its superior Aflatoxin and Fumonisins binding capacity. But Zeolite - Clinoptilolite is a wide spectrum additive and it has other benefits for the animals apart from toxin binding.

Toxin Binder: Most pet health symptoms, illness and diseases are caused by an accumulation of toxins that our pets are not able to eliminate. High toxin levels in our animals are behind ever-increasing rates of cancer, kidney disease, heart disease, diabetes and more. Adding **Zeolite** to the pet's diet prevents the negative effects of the toxins.

Heavy Metal Remover: Commercial pet food, vaccinations, tap water, drugs, antibiotics, plastics, litters, and such are all possible sources of harmful materials for animals. Heavy metals, like lead, mercury, cadmium and arsenic, chemicals, pesticides and herbicides all have resounding health implications for dogs and cats. Heavy metal accumulation in their body is much more dangerous than the accumulation in our body, since unlike our diet, pet diet contains no supplement to remove heavy metals from their body.

Thanks to this superior cation exchange capacity, Zeolite can adsorb heavy metals like Ni, Pb, Hg and Cd and removes them from the animals' body.

Ammonia Adsorbent: Zeolite absorbs the toxic ammonia through its ion exchange specialty. It maintains a balanced intestinal microbial ecosystem. It reduces acid reflux by balancing and establishing optimal pH levels in the body.

Anti-caking & Flowability Agent: Through its ability to adsorb moisture and grease, Zeolite prevents the oxidation and molding that might occur during storage as a result of moisture. It acts as a great pellet binder and anti-caking agent in preparation of the feed. It decreases the breakages that occur during the storage and transportation of the pellets. It prevents the liquid oils, that are added in order to increase the ration energy, from being released and becoming oxidized during storage.

WHAT DISTINGUISHES ZEOLITE FROM OTHER ADDITIVES FOR PET FOOD?

While other mycotoxin binders act like a sponge that adsorbs everything including vitamins, amino acids and nutrients together with mycotoxins, Zeolite is a selective polar binder that has a binding affinity and selectivity only for positively-charged ions (cations) such as toxins, ammonia and heavy metals. It has no binding affinity for antibiotics, coccidiostats, vitamins, minerals, amino acids, other nutrients or feed additives.

SUPPLEMENT BENEFICIAL FOR YOUR ANIMAL

Apart from offering high quality diet rich in nutrients, pet owners must also care about cleansing the pet's body with detox supplements or choose pet food that contains supplements like zeolite.

Zeolite;

- Increases the quality of pet's diet.
- Prevents the animal against parasite diseases.
- Reduces heavy metals and toxic ammonia.
- Once enters the body, it works on the health of a dog or cat's digestive system.
- Improves the general health of the animal.
- Reduces fecal odor.

 **rota mining
corporation**
YOUR RELIABLE PRODUCER

INCREASE THE QUALITY OF YOUR
PET'S DIET

ENVIRONMENT FRIENDLY PRODUCT
SAFE & 100% NATURAL

ZEOLITE CLINOPTILOLITE

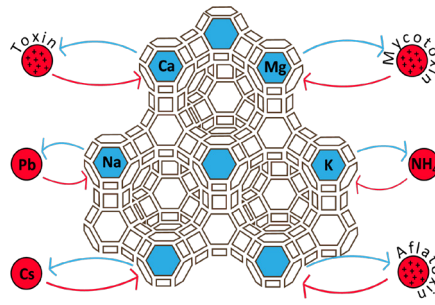


CONTENT

Zeolite is a crystalline, hydrated aluminosilicate that has an infinite three dimensional structure. Rota Mining's Zeolite contains extremely pure Clinoptilolite (92% by mass on average), which is one of the most effective Heulandite type of zeolite. Its highly porous structure (with a porosity reaching 50%) provides an extremely large surface area on which chemical reactions and cation exchanges can take place at a very high degree. It can absorb incredible amounts of water/liquid into its pores. Clinoptilolite has a natural negative ion charge which furnishes it with a tremendously high cation exchange capacity (CEC). Thanks to CEC, it adsorbs and binds ammonium, toxins, mycotoxins and heavy metals like Ni, Pb, Hg and Cd, very efficiently and effectively.

CATION EXCHANGE CAPACITY

Cation exchange capacity (CEC) is a measure of the amount of cations (positively-charged ions) that a clay can catch. As mycotoxins, toxins, heavy metals and ammonium are all positively charged, they are all easily trapped by cation exchangers. Clinoptilolite from Rota Mining's Gordes / Manisa reservoir possesses by far one of the highest CEC rates (as high as $170 \text{ cmol} \cdot \text{kg}^{-1}$) among all reservoirs in the world. Purity and CEC are the two vital parameters that define the quality of zeolite mineral.



THE PRODUCER, ROTA MINING

Rota Mining is the leading natural Zeolite - Clinoptilolite mineral producer and exporter in Eurasia. It was founded in 1995. Since 2003, it is only specialized in the production and the marketing of its own natural Zeolite mineral; and is committed to setting the standards for the natural zeolite industry in the world. It carries out its production under Fami-Qs quality control system since 2007. Thanks to the high purity of its ore and to the quality of its service, Rota Mining serves its products to more than 50 countries in the world.



MINIMUM
80% PURITY
GUARANTEE !



FEED ADDITIVE

APPLICATION FOR PET ANIMALS

Unless your nutritionist does not advise a different rate:

Mix 2 - 4 kg to 1 ton of pet food. Mix thoroughly and homogeneously. Compatible with all types of pet food.

Finely micronized Zeolite can also be applied into pet's wet food or water:

Cats: 1 gr / day

Dogs: 2 gr / day

SUITABLE SIZES

0 - 400 micron

0 - 300 micron

0 - 200 micron

0 - 100 micron

0 - 50 micron

THE PRODUCT

100% natural & safe product. Certified by Ecocert for use in organic farming. Produced in accordance with the EU's Feed Additive and Premixes directive and under the strict quality control system and surveillance of Fami-Qs. Zeolite is not a medicine or nutrient. It can't be used for therapeutic purposes.

Information herein is accurate to the best of our knowledge, but may be subject to change without notice. Suggestions are made without warranty or guarantee of results. Before using, user should determine the suitability of the product for its intended use and user assumes the risk and liability in connection herewith.



FAMI[®]QS

Rota Madencilik AS - Rota Mining Corporation
Tel: +90 216 385 1600 www.rotamining.com
Fax: +90 216 385 4297 info@rotamining.com

