

Calprona ZA

Zinc Acetate dihydrate Feed-grade

Calprona ZA is a very efficient and palatable source of elemental zinc for all animal species and it is compatible with all kinds of animal feed and premixes.

PRODUCT PROPERTIES

Chemical name	Zinc acetate dihydrate
Zinc content	Min. 29.6% mass
Formula	$Zn(CH_3COO)_2 \cdot 2H_2O$
Product form	Free flowing white/off-white crystals
Molecular weight	219.50 g/mol
CAS No.	5970-45-6
HS code US	2915.29.5000
HS code EU	2915.29.0000
Melting point	237 °C
Flash point	> 250 °C
Nutritional values	NE pigs 5.18 MJ/kg, ME poultry 6.59 MJ/kg, NE lactation 4.32 MJ/kg

Application

Zinc is an integral part of 300 known enzymes, which catalyze more than 50 different biochemical reactions.

Zinc is essential for highly proliferating cells, especially in the immune system and it has a fundamental role in cellular growth and differentiation and is therefore of utmost importance in the development of embryos and fetuses, in correct immune response and in tissue repair.

Zinc deficiency in animals results in reduced feed intake and leads to growth retardation, affected bone growth and impaired immunity.

During pregnancy, zinc deficiency can lead to increased chances on abortion or premature delivery.

Zinc deficiency in pigs is associated with skin lesions (parakeratosis), diarrhea and reduced performance while in poultry it leads to poor feathering of chicks and dermatitis.

In poultry the supplementation of organic zinc reduces foot pad lesions and in molting laying hens it reduces Salmonella infection. In dairy cattle optimized zinc levels prevent infection diseases such as mastitis and hoof infections (footrot).

Calprona ZA has a high and standardized zinc content with high purity. It is a palatable source of zinc to all animals with high solubility and bioavailability. Moreover, acetate is a direct source of energy for the animals and is used in the milkfat synthesis in dairy cows.

Legislation

Calprona ZA is GMP+ FSA assured. Zinc acetate dehydrate is listed in the EU in the Category of Nutritional Additives, Functional Group Compounds of Trace Elements, Identification number 3b601 (Commission Implementing Regulation (EU) 2016/1095).

Dosage

Maximum dosage depends on local legislation.

In the EU the maximum level of zinc is laid down in Commission Implementing Regulation (EU) 2016/1095:

- Dogs and cats: 200 mg/kg feed
- Salmonids and milk replacers for calves: 180 mg/kg feed
- Piglets, sows, rabbits and all fish other than salmonids: 150 mg/kg feed

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- Other species and categories: 120 mg/kg feed

Stability

Calprona ZA is stable for 2 years from date of production. Physical stability and appearance may change before the end of shelf-life if not stored in well closed original packaging, dry and at ambient temperature.

Packaging

Calprona ZA is available in 20 kg bags.

Safety precautions

Calprona ZA is classified as harmful and toxic to the aquatic life.

Always check the Material Safety Data Sheet and Label before using the product.

This product is produced in the Netherlands.

Warranty. This information herein is offered as a guide and is believed to be accurate and reliable as of the date of the printing. The values given are not to be considered as a warranty and they are subject to change without prior notice. For additional information regarding our products or for information concerning current specifications, please contact our Technical Service.

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