

# Calprona MA

## Magnesium Acetate Feed-grade

Calprona MA is a very efficient source of magnesium for all animal species and it is compatible with all kinds of animal feed and premixes.

### PRODUCT PROPERTIES

Chemical name	Magnesium acetate
Formula	$Mg(CH_3COO)_2$
Product form	White/ off-white anhydrous powder
Molecular weight	142.39 g/mol
CAS No.	142-72-3
EINECS	205-554-9
HS code US	2915.29.5000
HS code EU	2915.29.00
Melting point	> 300 °C
Flash point	> 250 °C
Solubility (water)	568 kg/m <sup>3</sup> (0 °C) 656 kg/m <sup>3</sup> (25 °C)
Nutritional values	NE pigs 7.82 MJ/kg, ME poultry 9.94 MJ/kg, NE lactation 6.52 MJ/kg

### Application

Magnesium is a natural cofactor of many enzymes and plays important roles in the central nervous and cardiovascular systems. Research has shown it has a positive influence on bone formation, nerve-cell function and calcium and phosphorus excretions.

Magnesium levels in green feed are often too low and uptake is often insufficient when animals do not get additional magnesium via commercial feed.

Low magnesium levels result in hypomagnesaemia, characterized by hyper-irritability (stress and cannibalism), tetany and convulsions in cattle and swine. In piglets the mortality is very high with a diet low in magnesium and in fattening pigs magnesium reduces stress and improves the meat quality.

In ruminants magnesium supplements are used to prevent a drop in milk production in dairy cows related to diseases like grass tetany (deficiency of serum magnesium), when grazing lush pastures in the spring or pastures grown on soils that are low in available magnesium and high in available potassium. Magnesium facilitates both cellulose digestion and carbohydrate metabolism. Magnesium acetate restores appetite and serum magnesium and calcium levels in lactating ewes, preventing the development of tetany.

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

### Dosage

The recommended dosage is 50 - 200 g/day depending on application, animal species and local legislation.

### Legislation

Magnesium acetate is listed in the European Union Register of Feed Additives as trace element E6 pursuant to Regulation (EC) No 1831/2003.

Calprona MA is GMP+ FSA assured.

**Stability**

Calprona MA 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 MA is available in 25 kg bags.

**Safety precautions**

Calprona MA is not classified. 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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