Feed chelates of amino acid

Chelmax L-Chelmax

chelates

Chelmax Zn | Mn | Cu | Fe **L-Chelmax** Zn | Mn | Cu | Fe

ARKOP

We enhance nature
www.arkop.pl

Feed chelates are microelement organic compounds effectively supplementing deficiency of elements, ensuring correct development of the organism and improving animal health.

- Very high availability.
- Perfect mixability.
- Stability over a broad range of pH.
- Manufactured according to proprietary modern technology.
- Manufactured from own raw materials.
- High quality confirmed by global laboratories.

Vitamin protection

During the chelation process, mineral particles in Chelmax chelates are neutralized (they do not have electric charges) thanks to which they do not deactivate vitamins: C, E and B group vitamins. Additionally, as a result of bonding these particles to amino acids, the antagonisms between minerals added in the form of Chelmax chelates disappear.

Efficacy

Chelmax chelates are absorbed by the organism in the way typical of amino acids with which microelements are bonded. This largely expedites and facilitates assimilation of the microelements supplied and supports their delivery to the place where they are needed most.

High availability

Chelmax chelates are characterized by total availability, which ensures that practically the whole dose of the microelement supplied is effectively utilized.

Ecology

Increased utilization of microelements reduces their excretion by animals as a result of which application of chelates has significant positive impact on the natural environment.

The above features make it possible to reduce the dose of the microelement, simultaneously increasing its uptake by the animal's organism and thus significantly improving production results.

Chelmax L-Chelmax

chelates

Effects of zinc, copper, manganese and iron deficiencies in animal organism

ZINC (Zn) deficiency – parakeratosis, mat hair, skin diseases, somatic cells in milk, hoof diseases, ovary atrophies leading to difficulties with impregnation and disorders of the ovulation cycles, leading to higher incidence of infectious diseases.

COPPER (Cu) deficiency – limited hemoglobin synthesis, poor growth, death of embryos, spermatogenesis disorders, poor bone formation, skin depigmentation, weak formation of connective tissue (tendons).

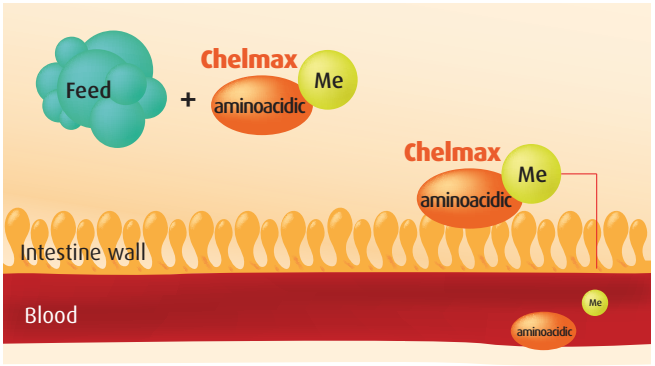
MANGANESE (Mn) deficiency – poor growth of young animals, poor immunological resistance, silent heats, miscarriages, mummification, low mass of newborns, perosis – deformation of the Achilles tendon among poultry, deformation of long bones among poultry. Hatch eggs – embryo development disorders. Changes in the formation of the skull and bones among poultry.

IRON (Fe) deficiency – anemia among piglets and calves, decreased immunological resistance, decreased protection of tissues against free liberals, disorders of protein digestion with participation of pancreas enzymes.

Item	Chelmax Zn-10	Chelmax Cu-10	Chelmax Mn-10	Chelmax Fe-10
EU registration no.	E6	E4	E5	E1
Element	Zn-10%	Cu-10%	Mn-10%	Fe-10%
Protein	Min 30%	Min 30%	Min 30%	Min 30%

Item	Chelmax Zn-15	Chelmax Cu-15	Chelmax Mn-15	Chelmax Fe-15
EU registration no.	E6	E4	E5	E1
Element	Zn-15%	Cu-15%	Mn-15%	Fe-15%
Protein	Min 30%	Min 30%	Min 30%	Min 30%

How Chelmax chelates are absorbed



Efficacy of Chelmax chelates:

Pigs:

- decreased piglet mortality
- lower susceptibility to infections and diseases
- higher bone density and stability
- increased sow fecundity and fertility
- limited cannibalism
- improved meat quality
- reduced susceptibility to stress.

Cattle:

- lower susceptibility to infections
- reduced number of somatic cells in milk
- better skin and hair condition
- increased hoof hardness and elasticity
- shorter calving intervals
- increased fertility
- regulated cation-anion balance in the rumen
- reduced metabolic diseases.

Poultry:

- harder egg shells
- lower susceptibility to infections and diseases
- higher egg laying rates
- increased fertility
- reduced susceptibility to stress and cannibalism
- lower broiler death rates.

FAMIqs

PCBC

IQNet

ARKOP Sp. z o.o.
Poland, 32-332 Bukowno
ul. Kolejowa 34a
tel.: +48 32 649 44 51
arkop@arkop.pl | www.arkop.pl

We enhance nature

ARKOP