



With hydrolysed vegetable protein



# Vitatonix

Vitamins and amino acids in oral solution



## For critical periods

- ✓ Periods of maximum production
- ✓ During the reproductive phases: pregnancy, lactation, laying...
- ✓ Together with the administration of vaccines, anti-infective or antiparasitic treatments
- ✓ In deficiencies or anorexia
- ✓ Aids in overcoming heat stress

## Balanced combination of vitamins and amino acids

- ✓ Complete formula with vitamins AD3EK and B complex
- ✓ With methionine and hydrolysed vegetable protein, source of amino acids
- ✓ Ideal food supplement

## Convenience of use

- ✓ Does not precipitate: does not obstruct drinking troughs
- ✓ The animals accept it very well

**LABIANA**  
*always works*



# Vitatonic Vitamins and amino acids in oral solution



## Vitamin A (retinol)

Maintenance of the epithelia, especially of the eye, respiratory and gastrointestinal system. Enhances the immune function.

## Vitamin D3 (calcipherol)

Bone growth, metabolism of Ca and P.

## Pantothenic acid (B5)

Synthesis of coenzyme A, indispensable for cellular respiration. Synthesis of fatty acids, cholesterol and acetylcholine.

## Vitamin B2 (riboflavin)

Protects the integrity of mucosa and of skin.

## Vitamin B1 (thiamine)

Metabolism of carbohydrates. Indispensable for neonatal growth and development and function of the heart, of the nervous system and of the digestive system.

## Vitamin E (tocopherol)

Antioxidant, protection of tissues.

## Vitamin B6 (pyridoxine)

Metabolism of neurotransmitters. Increases muscle performance.

## Choline chloride

Hepatoprotective: participates in the metabolism of fats in the liver and is essential for the formation of the cell membranes.

## Vitamin K3 (menadione)

Coagulant.

## Biotin (B8 or Vit H)

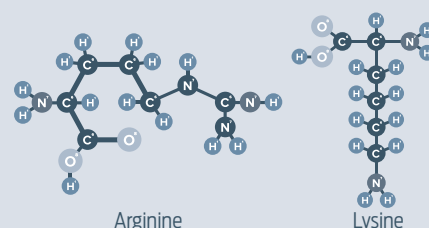
Necessary for skin growth and its attached organs, especially the feathers.

## Vitamin B12 (cyanocobalamin)

Nervous system, maintenance of myelin, red blood cells and regeneration of tissues.

## Functions of the amino acids

- Some amino acids regulate the important metabolic routes and therefore, improve the health and growth of animals. These are the functional amino acids.
- The amino acids are essential for synthesis of proteins, as they constitute the units that form them; for this reason, they are especially important in young animals.
- They can also serve as precursors of gluconeogenesis and can be converted into fatty acids or be used as immediate sources of proteins.



## COMPOSITION PER LITRE

*Vitamins, provitamins and well-defined chemical substances having a similar effect:*

Vitamin A (3a672b) .....	1,212,100 IU
Vitamin D3 (3a670a) .....	240,000 IU
D-Panthenol (3a842) .....	14.25 g
Vitamin B2 / Riboflavin .....	5.72 g
Vitamin B1 (3a820) .....	3.71 g
Vitamin E (3a700) .....	3.63 g
Vitamin B6 / Pyridoxin HCl (3a831) .....	2.33 g
Choline chloride (3a890) .....	0.50 g
Vitamin K3 (3a710) .....	0.48 g
Biotin (3a880) .....	96 mg
Vitamin B12 / Cyanocobalamin .....	9.5 mg

*Amino acids, their salts and analogues:*

Methionine (3c301) .....	4.75 g
Hydrolysed vegetable protein .....	45 g

*Analytical composition:*

Glutamic acid .....	8.37 g	Proline .....	1.71 g
Leucine .....	4.59 g	Threonine .....	1.66 g
Aspartic acid .....	3.92 g	Lysine .....	1.62 g
Arginine .....	3.83 g	Methionine .....	1.26 g
Phenylalanine .....	2.75 g	Histidine .....	1.04 g
Valine .....	2.52 g	Cystine .....	0.76 g
Tyrosine .....	2.38 g	Tryptophan .....	0.36 g
Serine .....	2.34 g		
Isoleucine .....	2.20 g		
Alanine .....	1.89 g		
Glycine .....	1.89 g		

## INDICATIONS

Amino acid and vitamin supplement for critical periods in the animal's life: period of maximum production, reproduction, pregnancy, lactation and weaning, vaccinations, anti-infective or antiparasitic treatment, changes in management. States of vitamin deficiency, anorexia or amino acid deficient diets.

## DOSAGE AND ADMINISTRATION ROUTE

Oral route, in the drinking water for 5-7 days.

**Bovine, ovine and horses:** 1-2 ml/litre of drinking water.

**Caprine:** 1 ml/litre drinking water.

**Porcine:**

Adults: 1 ml/litre drinking water.

Piglets: 2 ml/litre drinking water.

**Poultry:**

Laying hens: 2 ml/litre drinking water.

Broiler chickens: 1 ml/litre drinking water.

Other poultry: 1 ml/ litre drinking water.

**Rabbits:** 1 ml/liter of drinking water.

## USE DURING PREGNANCY AND LACTATION

It may be used during pregnancy and lactation.

## SPECIAL PRECAUTIONS FOR STORAGE

Keep it closed, protected from heat, humidity and light.

Shelf life: 2 years.

## PRESENTATIONS

200 ml and 1 litre bottles.

5 litre jug.

20 litre jug.

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