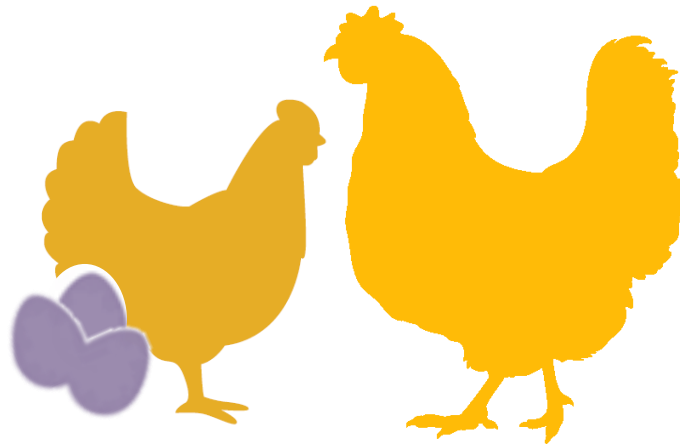


dox-a

Hi-Tech

# HEPATODOX



Mycotoxins  
detoxifier

Support of liver  
functionality

Recover of kidney  
activity

HEPATODOX is a premix oral solution with detoxifying activity.

HEPATODOX is designed as an important support in case of mycotoxins related syndromes, or suspected ones, in which liver at first and then kidney activities can be affected. Thanks to its composition, **HEPATODOX** is able to help recovering liver and kidney functions as well as the whole detoxifying system.

## CONTENT AND ACTIONS:

**Artichoke extract (Cynara scolymus):** worldwide known as diuretic, cholagogue, and choleric, it is considered an important antioxidant and hepato-protector compound, thanks to its specific actions on whole hepatic system; to be used during liver syndromes;

**Vitamin B6:** involved in amino acid metabolism, it is important for the release of aminoacids during gluconeogenesis and for their own nature of liver and kidney protectors; it is also an important membrane stabilizer, thanks to its role in producing sphingolipids.

**Vitamin B12:** important role in the fatty acids production pathway, and prevention of fat deposition in liver.

**Nicotinamide:** anti-inflammatory action with obvious beneficial effects;

**Calcium Pantothenate:** important substance for Coenzyme-A synthesis, it is involved in the metabolism of proteins, carbohydrates and lipids;

**Carnitine:** active role in energy production during lipids breakdown; it has antioxidant effects, protecting cells membranes from lipid peroxidation, very important in liver and bone districts; it is also useful during stress periods, during which weight losses can occur;

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POULTRY

**DL-methionine:** one of sulfur-containing proteinogenic amino acid, it is an important intermediate for phospholipids, carnitine, taurine, phosphatidyl-choline synthesis. It is recognized as an important protective substance for the liver.

**Lysine:** fundamental building block of all proteins, it is involved in the acetyl-CoA synthesis, intestinal calcium absorption, and hormones, enzymes and antibodies related systems. In mono-gastrics, it is a limiting amino-acid in the growth promotion and it is able to reduce nitrogen excretion.

**Betaine:** one of the main active substances against osmotic stress. As an osmolyte, it balances osmotic differences between cell's surroundings and cytosol, helps stabilizing proteins and cell membranes. It can play important roles in improving growth performance, fat distribution and immune response.

**Choline Chloride:** as vitamin-like compound serves a number of critical functions in the body: it builds and maintains cell membrane structure (as phosphatidyl-choline), it improves fat metabolism in the liver; it supports nervous system function, it is a source of methyl donors for methionine synthesis and a source of osmolytes for regulating osmotic pressure and cell volume.

## COMPOSITION

### Natural products – botanically defined

Artichoke extract (*Cynara scolymus*) 10,000 mg

### Vitamins

Calcium D-Pantothenate 1,000 mg  
 Vitamin B6 (piridoxine HCl) 500 mg  
 Vitamin B12 (cyanocobalamine) 1.5 mg  
 Niacin 150 mg  
 Choline chloride 300,000 mg

### Technically well defined substances having a similar biological effect to vitamins amino acids

Betaine 6,000 mg  
 L-Carnitine 5,000 mg

### Amino acids

L-lysine monohydrate 2,000 mg  
 DL-methionine technically pure 10,000 mg

### Preservatives

Potassium sorbate (E 202) 2,000 mg

Carrier: purified water, Sorbitol up to 1 L

Humidity..... 62.00%

## ADMINISTRATION

**Broilers & Layers:** 500-1,000 ml/1,000 L drinking water, for 5-7 consecutive days;  
**Breeders:** 1,000 ml/1,000 L drinking water, for 5-7 consecutive days.

In case of severe mycotoxicosis or whenever serious liver damages are involved, dosage can be increased and treatment may continue up to 30 consecutive days, without any side effect.

## PACK SIZE

1 L bottle;

## STORAGE

Store in a cool and dry warehouse, away from heat and direct light sources.

## SHELF LIFE

12 months.

Composition may vary in different countries; for further information please contact our technical staff.



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