

# portacure hepamarine



## LIVER SUPPORT PREMIX

**INTENDED USE:** Besides its high vitamin and trace mineral content, Hepamarine contains liver-protecting herbal extracts (like Slimarin, Cynarin) and methyl donors (like Choline, Methionine.) Liver-protectors together with related vitamins and trace minerals protects liver health. Vitamins that improve fat metabolism (like Niacin), methyl donors reduces liver fattening by increasing fat infiltration from liver. In last weeks of pregnancy and early lactation period insufficient and unbalanced nutrition, metabolic illnesses, physical fitness losses that environmental and nourishment based stress cause, can increase the liver's fat ratio. Therefore, Hepamarine is used both as protective in these periods, and contributes the treatment of animals having ketotic and fatty liver syndrome. With a positive effect on improving in appetite, and high vitamin and mineral content, it also has a positive effect on reproductive performance.

**USAGE:** Before and after the birth, first week 150g, could be given by being mixed to the feed daily. It should especially be used in the cows within dry period which have high physical fitness. Due to the high fat, toxin and free radical ratio in liver in the first 60 days period of lactation, it is recommended to give 75-100g mixed in feed, every 15 to 20 days as protective.



## COMPOSITION:

Vitamins / Nutritional additives

3a672a Vitamin A (Retinol acetate) 800.000 IU/kg ; 3a671 Vitamin D3 (Cholecalciferol) 200.000 IU/kg; 3a700 Vitamin E (Alpha Tocopherol Acetate) 0,30% ; 3a821 Vitamin B1 (Thiamine)  $5 \times 10^{-2}$ % ; 3a880 Vitamin B7 (D-Biotin)  $1 \times 10^{-2}$ % ; Vitamin B12 (Cyanocobalamin)  $8 \times 10^{-4}$ % ; 3a314 Protected Niacin 3,5%.

### Vitamin like substances / Nutritional additives

3a890 Protected choline 5,5%.

### Trace Minerals / Nutritional additives

E1 Iron (Iron sulphate  $4 \times 10^{-1}$ % ; E4 Copper (Copper sulphate)  $13 \times 10^{-2}$ % ; E5 Manganese (Manganese sulphate)  $4 \times 10^{-1}$ % ; Zinc (Zinc sulphate)  $6,7 \times 10^{-1}$ % ; E8 Selenium (Sodium selenite)  $3,3 \times 10^{-3}$ % ; 3b815 Chelated selenium (L-Selenomethionine)  $1,7 \times 10^{-3}$ % ; E2 Iodine (Calcium iodate)  $0,4 \times 10^{-2}$ % ; E2 Chelated iodine (EDDI / Ethylenediamine Dihydroiodide) 0,01 % ; 3b802 Cobalt (Cobalt sulphate)  $0,8 \times 10^{-2}$ %.

### Amino acids / Nutritional additives

3.2.1 Protected lysine 0,5% ; 3c301 Protected methionine 5%.

### Phytogenic additives / Sensory additives

Silymarin (Silybum marinum extract) 2,5% ; Cynarin (Cynara scolymus extract) 1,5%.

### Toxin binders / The other Zootechnical additives

Bentonit / Montmorillonite 7,5%.

### Antioxidants / Technological additives :

BHA (Butylated Hydroxyanisole) 0,1%.

**Carriers:** Wheat middlings, Alfalfa flour.

## PACKAGE FORM

1 KG JAR	10 KG KRAFT BAGS	20 KG KRAFT BAGS
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