

# Musculoskeletal system



# BIOTIN

## DESCRIPTION

A source of biotin, sulphur-containing amino acids, protected vitamins and highly assimilable trace elements. Contributes to improving the quality and growth rate of the hoof wall and integuments.

## INDICATIONS

Covers daily requirements in biotin, vitamins B5 and B6.

REVERDY BIOTIN can be used at higher doses in the following situations:

- Poor quality brittle horn.
- Unshod work, frequent de-shoeing (trotting races).
- Damaged hair (coat / mane / tail).



1 kg

3.5 kg

## DIRECTIONS FOR USE

Distribute with cereals or compound feeds. Mix well into the feed.

1 measure = 25 g

ADULT HORSE (500 KG)	DAILY DOSE
Maintenance dose	1 measure (25 g) equivalent to 5 g / 100 kg (liveweight)
Maximum recommended dose	2 measures (50 g) equivalent to 10 g / 100 kg (liveweight)

For ponies and youngstocks, administer a daily dose in proportion to the animal's liveweight.

\*Free from Naturally Occurring Prohibited Substances (NOPS) in accordance with the regulations of racing codes, FEI, FFE and SHF.



Small pellets

## COMPOSITION

Barley, MSM (Methylsulfonylmethane), extruded linseed (wheat bran base), calcium carbonate.

### ADDITIVES PER KG

Zinc (Chloride hydroxide).....	7,000 mg
Copper (Chloride tri hydroxide) .....	1,500 mg
DL-Methionine .....	90,000 mg
Natural L-Cystine.....	30,000 mg
Vitamin A.....	1,000,000 IU
Vitamin B5 (Pantothenic acid).....	3,000 mg
Vitamin B6 (Pyridoxine) .....	3,000 mg
Vitamin B8 (Biotin) .....	850 mg

## ANALYTICAL CONSTITUENTS

Humidity.....	11%
Total protein .....	15%
Fats and oils .....	2%
Crude fiber .....	3.5%
Ash .....	7%
Calcium .....	1%
Phosphorus .....	0.25%
Sodium.....	0.1%

## 1 MEASURE (25G) OF REVERDY BIOTIN PROVIDES

21 mg of biotin (vitamin B8), 2,250 mg of DL-methionine, 1,250 mg of MSM, 750 mg of natural L-cystine, 175 mg of zinc, 38 mg of copper, 25,000 IU of vitamin A, 75 mg of vitamin B5 and 75 mg of vitamin B6.

## CONSERVATION

Store in a dry place, away from light, at room temperature.  
Shelf life : 18 months.

## PROPERTIES

The sulphur-containing amino acids (methionine, cystine) are precursors of keratin, the constituent protein of hoof horn, the coat, the mane and the tail. This structural protein takes its rigidity from the sulphur atoms present in these precursor amino acids which link together with covalent bonds (disulphide bonds).

**MSM** also represents a source of organic sulphur.

The supply of easily assimilated **copper** and above all **zinc** ensures good keratinization and therefore healthy integuments.

At a dose of approximately 20 mg a day, **biotin** (vitamin B8) improves the growth rate and hardness of the hoof wall.

**Vitamin B5** takes part in epithelium and integument renewal. It favours wound healing and hair growth.

**Vitamin B6** intervenes in the metabolism of amino acid and proteins. Notably it participates in the synthesis of cysteine, sulphur containing amino acid precursor of cystine.

**Vitamin A** is involved in the synthesis of proteins and intervenes in the integrity and protection of the keratogenous epithelial.

## PRECAUTIONS FOR USE

Due to the presence of high levels of vitamins and trace elements and furthermore, excess sulphur being harmful to keratin synthesis, respect the recommendations.