

# Opti Trace Lamb & Sheep

## 180 days / 120 days



### Trace elements

Trace elements are minerals that are present in the body in very low concentrations, but are nevertheless essential in life. Most discussed trace elements are copper, zinc, manganese, cobalt, iodine and selenium. In general it can be said that trace elements have crucial functions within the regulation and support of processes in the body, like enzyme activity, blood clotting and transport of oxygen. Also, many trace elements play an important role in the immune system.

### Dietetic mineral feed

#### Species

sheep, goat

#### Article number

102135 180d

#### Content

50 pieces x 14 g

#### Article number

102132 180 d Cu

#### Content

50 pieces x 14 g

#### Article number

102068 120 d

#### Content

50 pieces x 5 g

#### Article number

102130 120 d Cu

#### Content

50 pieces x 5 g

GMP + FSA-assured

GMO controlled

PDV103322

### Topro Opti Trace Sheep bolus

A proper supply of trace minerals is crucial for optimal health and fertility of sheep. To assure this, the Topro Opti Trace Sheep bolus has been developed for sheep from 40 kg bodyweight. This bolus provides the animal with iodine, cobalt, manganese, zinc, selenium (and copper) for six months. For lambs from 25kg bodyweight there is a smaller bolus.

### Recommendations for storage

Keep dry and out of reach from children.

### Composition

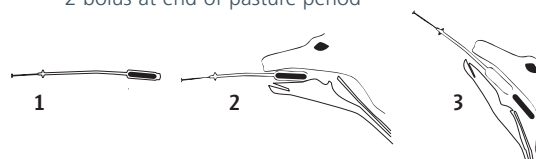
Iron, vegetable fat from rapeseed, calcium stearate

### Directions for use: bolus 180 days (14 g)

- Sheep and goats from 40 kg bodyweight:
  - 1 bolus at one month before service
  - 1 bolus at one month before parturition
- Or:
  - 1 bolus at start of pasture period
  - 1 bolus at end of pasture period

### Directions for use: bolus 120 days (5 g)

- Lambs from 25kg
  - 1 bolus
- Sheep and goats from 40 kg bodyweight:
  - 2 bolus at one month before service
  - 2 bolus at one month before parturition
- Or:
  - 2 bolus at start of pasture period
  - 2 bolus at end of pasture period



- Administer with a suitable bolus applicator
- It is recommended to seek advice from a nutritionist before use

	180 days release*		120 days release**	
	Without copper	With copper	Without copper	With copper
<i>Nutritional additives</i>				
Copper (mg)	-	20.4	-	2.5
Iodine (mg)	4.0	4.0	2.5	2.4
Cobalt (mg)	1.2	1.2	1.2	1.2
Manganese (mg)	9.8	4.8	9.3	9.3
Zinc (mg)	28.4	8.8	28.4	26.4
Selenium (mg)	0.5	0.5	0.5	1.1

\* Average daily release of 1 bolus for 180 days

\*\* Average daily release of 2 boluses for 120 days





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## Product characteristics

Iodine	Indispensable component of thyroid hormones T3 and T4 that regulate intensity of metabolism processes
Cobalt	Required for formation of Vitamin B12 in the rumen
Manganese	Important constituent of a number of enzymes required for carbohydrate and fat metabolism
Zinc	Important constituent of a number of enzymes. Clear influence on appetite and daily gain
Selenium	Component of the GSH-Px enzyme – detoxifies peroxides Required for optimal fertility and for prevention of early abortion
Copper	Involved in blood formation, in uptake of iron from the gut by means of the enzyme ceruloplasmin, in immunity (where Cu-Zn-superoxide dismutase plays a role), in bone development (through osteoblast cells and the enzyme lysyloxidase regulating collagen formation), in wool growth, in pigmentation of colored wool and hair (via the enzyme tyrosinase), and in formation of myelin sheaths around nerve cell axons.
Bolus	Easy to administer Ensures uptake during six months