



HERBIVORES



Herbivore copper supplement

Feed number: 3628

Suitable for: Yaks and other zoo herbivores with increased copper requirements

YOUR BENEFITS

- ◇ Copper supplement on the basis of a fibre-rich pellet
- ◇ Organic copper source
- ◇ Targeted supplementation for individual animal feeding
- ◇ 2 mg copper per gram feed

We are happy to work with you to create an individual feeding recommendation



TYPE OF FEED, FORM, DELIVERY QUANTITY

- ◇ Supplementary feed
- ◇ Form: pellet 10 mm round
- ◇ Delivery quantity: 5 kg paper bag
- ◇ Product number: 3628.PH.S05
- ◇ Storage: dry (<75% humidity), dark (no direct sunlight) and cool (10-25°C). Temperature fluctuations of > 10°C should be avoided. Always remove plastic film around pallets immediately after delivery

Full-scale picture of the feed
Colours may be different from the product



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FEED SPECIFICATIONS

Major nutrients (%)

Dry matter	89
Crude protein	11
Crude fat	2
Crude fiber	22
Crude ash	6
NFE	48
NDF	39
ADF	24
Starch	11
Sugar	8

Energy (MJ/kg)

GE	16.3
ME Horse	7.5
ME Ruminant	8.1

Macrominerals (%)

Calcium	1.1
Phosphorus	0.2
Magnesium	0.1
Sodium	0.05
Potassium	1.4
Chlorine	0.3

Trace elements (mg/kg)

Iron	350
Zinc	20
Copper	2000
Iodine	0.1
Manganese	30
Selenium	0.2
Cobalt	0.2

Vitamins (added, mg/kg)

Vitamin A (IU/KG)	0
Vitamin D3 (IU/KG)	0
Vitamin E	0
Vitamin K3	0
Vitamin B1	0
Vitamin B2	0
Vitamin B6	0
Vitamin B12	0
Nicotinic acid	0
Pantothenic acid	0
Folic acid	0
Biotin	0
Choline	0
Vitamin C	0

Amino acids (%)

Arginine	0.5
Lysine	0.5
Methionine	0.2
Methionine + Cystine	0.4
Tryptophan	0.2
Threonine	0.4

Ingredients

Lucerne meal, apple pomace, oats, molasses, copper glycine hydrate

Remarks

- ◇ Given values are calculated averages in air-dry feed.
- ◇ Energy values calculated according to Kamphues et al. 2014; GE=gross energy, ME=metabolisable energy
- ◇ Trace elements: calculated total content. Vitamin declaration: vitamins added before production. Estimated total vitamin content for ration calculations on request.
- ◇ Nutrients are subject to natural variation of the raw materials and their production process.

OUR FEED RECOMMENDATION

- ◇ The feed is suitable for targeted copper supplementation of zoo herbivores
- ◇ Always provide free access to fresh drinking water
- ◇ Not for animals that enter the food chain
- ◇ Individual feeding recommended
- ◇ Supplement amount: Depends on the rest of the ration. Advice on request

Sources:

Kamphues et al. 2014, Supplemente zu Vorlesungen und Übungen in der Tierernährung, 12. Auflage, M.&H. Schaper, Hannover, pp 20-26
Litzenich, B. A., & Ward, A. M. (September 1997). Hay and Pellet Rations: Considerations in Feeding Ungulates. Nutrition Advisory Group Handbook, Fact Sheet 006.
Claus M. Dierenfeld E.S. (1999) Susceptibility of yak (Bos grunniens) to copper deficiency. Veterinary Record, 145, 436-437