



HERBIVORES



Grazer Cu-controlled

Feed number: 3698

Suitable for: Copper sensitive herbivores, as for example sheep, llama, alpaca

YOUR BENEFITS

- ◇ Copper content of around 9 ppm, especially for copper sensitive herbivores
- ◇ Without any soybean and palmoil products
- ◇ Balanced fiber composition, especially suitable for grazers
- ◇ Protein content adapted to the lower needs of grazers
- ◇ Little cereals and thus lower starch
- ◇ High levels of vitamin E
- ◇ Organic source of selenium
- ◇ No mineral iron is substituted
- ◇ Linseed products for natural omega-3-fatty acids
- ◇ Bicarbonate for the prevention of ruminal acidosis (1%)
- ◇ With an appropriate ration composition there is no need of additional supplements thanks to adequate vitamin- and mineral supplementation

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



TYPE OF FEED, FORM, DELIVERY QUANTITY

- ◇ Supplementary feed
- ◇ Form: pellet 4-5 mm round
- ◇ Delivery quantity: 25 kg paper bag
pallets of 750 kg
- ◇ Product number: 3698.PA.S25

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	12
Crude fat	3
Crude fiber	23
Crude ash	11
NFE	40
NDF	39
ADF	26
Starch	4
Sugar	5

Energy (MJ/kg)

Gross energy	15.7
Metabolisable energy	6.2
Digestible energy	9.5

Macrominerals (%)

Calcium	1.2
Phosphorus	0.6
Magnesium	0.3
Sodium	0.7
Potassium	1.5
Chlorine	0.3

Trace elements (mg/kg)

Iron	600
Zinc	223
Copper	9
Iodine	2.2
Manganese	157
Selenium	0.7
Cobalt	1.2

Vitamins (added, mg/kg)

Vitamin A (IU/KG)	11700
Vitamin D3 (IU/KG)	1700
Vitamin E	2000
Vitamin K3	0.9
Vitamin B1	12
Vitamin B2	11
Vitamin B6	8
Vitamin B12	0.05
Nicotinic acid	90
Pantothenic acid	36
Folic acid	1.5
Biotin	7
Choline	160
Vitamin C	17

Amino acids (%)

Arginine	0.63
Lysine	0.55
Methionine	0.20
Methionine + Cystine	0.37
Tryptophan	0.17
Threonine	0.45

Ingredients

Grass cubes, alfalfa meal, straw meal, apple pomace, oat bran, mineral and vitamin premix incl. bicarbonate, wheat, sunflower extraction meal, molasses, cellulose, linseed products, potatoe protein.

Remarks

- ◇ Given values are calculated averages in air-dry feed.
- ◇ Gross and metabolisable energy calculated according to Kamphues et al. 2009; digestible energy calculated acc. to NRC Horses 2007.
- ◇ Digestible energy calculated according to NRC Horses 2007.
- ◇ Nutrients are subject to natural variation of the raw materials and their production process.

OUR FEED RECOMMENDATION

- ◇ The feed is suitable for supplementing a diet based on roughage (depending on the species grass hay, alfalfa, browse, etc.)
- ◇ Feed several smaller portions distributed over the day to avoid oesophageal obstruction
- ◇ Always provide free access to fresh drinking water.
- ◇ Benchmark: 0.5-1.5% of body weight per day in addition to hay ad libitum throughout the day.
- ◇ Maximum 50% of the dry matter from the total ration
- ◇ Not suitable for deer due to the low copper content.

We are happy to work with you to create individual feeding recommendations for the respective species

Sources:

Kamphues et al. 2009, Supplemente zu Vorlesungen und Übungen in der Tierernährung, 11. Auflage, M.&H. Schaper, Hannover
Litzenich, B. A., & Ward, A. M. (September 1997). Hay and Pellet Rations: Considerations in Feeding Ungulates. Nutrition Advisory Group Handbook, Fact Sheet 006.
National Research Council, 2007, Nutrient Requirements of Horses, The National Academies Press, Washington DC
Van Saun, R.J. Copper Nutrition in Camelids part. 1. Lamalink.com, May 2008, 3 (16): 37:40