



HERBIVORES



Grazer Cu-controlled

Feed number: 3698

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

YOUR BENEFITS

- ◇ Copper content of around 15 ppm, especially for copper sensitive herbivores. Each batch is analyzed for copper content
- ◇ 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
- ◇ High content of biotin
- ◇ Contains organic selenium, zinc and manganese sources
- ◇ No mineral iron is substituted
- ◇ Linseed products for natural omega-3-fatty acids
- ◇ Contains bicarbonate (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



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

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
- ◇ 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



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FEED SPECIFICATIONS

Major nutrients (%)

Dry matter	89
Crude protein	12
Crude fat	3
Crude fiber	25
Crude ash	9.5
Acid-insoluble ash (AIA)	1.6
NFE	39
NDF	46
ADF	30
Starch	4
Sugar	7

Energy (MJ/kg)

GE	16
ME Horse	6.5
ME Ruminant	8.7

Macrominerals (%)

Calcium	0.9
Phosphorus	0.7
Magnesium	0.3
Sodium	0.6
Potassium	1.5
Chlorine	0.3

Trace elements (mg/kg)

Iron	600
Zinc	223
Copper	15
Iodine	2.2
Manganese	157
Selenium	0.7
Cobalt	1.4

Vitamins (added, mg/kg)

Vitamin A (IU/KG)	14000
Vitamin D3 (IU/KG)	2500
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

Green meal, lucerne meal, apple pomace, straw meal, wheat mill by-products, linseed products, vitamin and mineral premix incl. bicarbonate, cellulose, molasses, sunflower extraction meal, potato protein, corn (NGMO)

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
- ◇ ME Ruminant calculated according to the Hohenheim Gas Test
- ◇ 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 supplementing a diet based on roughage (depending on the species grass hay, lucerne, 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.

It is recommended to use the pellet in an enriched feeding management that maximizes the animals' feeding time

Sources:

Kamphues et al. 2014, Supplemente zu Vorlesungen und Übungen in der Tierernährung, 12. Auflage, M.&H. Schaper, Hannover, pp 20-26
Van Saun, R.J. Copper Nutrition in camelids, part 1
Van Saun, R. J. Copper Nutrition in Camelids part. 1 Lamalink.com, May 2008, 3 (16): 37-40