



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
NFE	39
NDF	46
ADF	30
Starch	4
Sugar	7

Energy (MJ/kg)

GE	16
ME Horse	6.5
ME Ruminant	8.6

Macrominerals (%)

Calcium	1.0
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, oat husks, 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