



## PRIMATES



# Primates extrudate

Feed number: 3446

Suitable for: Primates, especially omnivorous species

### YOUR BENEFITS

- ◇ The feed is suitable for supplementing the daily ration for a balanced nutrient supply
- ◇ Supplemented with vitamin C for sufficient dietary supply
- ◇ Contains carob (3.8%)
- ◇ Prebiotic ingredients (0.2%)
- ◇ Contains taurine (0.09%)
- ◇ High digestibility and better palatability thanks to the process of extrusion
- ◇ Formula without wheat products, suitable for gluten-sensitive animals

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



1 cm  
extrudate, medium

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

### TYPE OF FEED, FORM, DELIVERY QUANTITY

- ◇ Supplementary feed
- ◇ Form: extrudate, medium
- ◇ Delivery quantity: 12.5 kg paper bag  
pallets of 375 kg
- ◇ Product number: 3446.EM.S12
- ◇ 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	90
Crude protein	23
Crude fat	7
Crude fiber	5
Crude ash	8
NFE	47
NDF	9.5
ADF	5.7
Starch	25
Sugar	5.3

### Energy (MJ/kg)

GE	17.5
ME	12.8

### Macrominerals (%)

Calcium	1.4
Phosphorus	0.99
Magnesium	0.23
Sodium	0.39
Potassium	0.6
Chlorine	0.42

### Trace elements (mg/kg)

Iron	250
Zinc	145
Copper	27
Iodine	0.9
Manganese	40
Selenium	0.5
Cobalt	0.2

### Vitamins (added, mg/kg)

Vitamin A (IU/KG)	27000
Vitamin D3 (IU/KG)	6700
Vitamin E	220
Vitamin K3	12
Vitamin B1	21
Vitamin B2	22
Vitamin B6	27
Vitamin B12	0.2
Nicotinic acid	113
Pantothenic acid	83
Folic acid	25
Biotin	0.7
Choline	1160
Vitamin C	900

### Amino acids (%)

Arginine	1.35
Lysine	1.36
Methionine	0.56
Methionine + Cystine	0.93
Tryptophan	0.26
Threonine	0.95

### Ingredients

Corn (NGMO), soybean meal (NGMO), potato protein, linseed cake, corn gluten meal (NGMO), poultry meat meal, rice, cellulose, soybean oil (NGMO), carob, corn starch, maltodextrin, sucrose, mineral and vitamin premixes, amino acids, prebiotics

### 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 calculated according to modified Atwater factors (3.5/8.5/3.5)
- ◇ 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

- ◇ Ideal for supplementing the basic diet when feeding with fresh feed
- ◇ Addition of vegetables and animal products individually according to the species
- ◇ Daily feed requirement: depending on the species, approximately 1-3% of body weight (as dry matter) whereof 50% should be provided as extrudate
- ◇ The amount of feed should be limited within the daily ration; if possible offer the daily ration divided into two or more meals
- ◇ Always provide free access to fresh drinking water.

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

#### Sources:

Astuti, D.A. et al. (2009). Nutrient Intake and Digestibility of Cynomolgus Monkey (Macaca fascicularis) Fed with High Soluble Carbohydrate Diet : A Preliminary Study. HAYATI Journal of Bioscience, p 147-150.

Kamphues, J. et al. (2014). Supplemente zu Vorlesungen und Übungen in der Tierernährung, 12. Auflage, M.&H. Schaper, Hannover, pp 20-26

National Research Council (2003). Nutrient Requirements of Nonhuman Primates. Second revised edition, The National Academies Press, Washington D.C., USA.

Popovich, D.G. and Dierenfeld, E.S. (1997). Gorilla Nutrition. In: management of Gorillas in captivity: Husbandry Manual, Gorilla Species Survival Plan. Ogden, J. and Wharton, D., Eds. American Association of Zoos and Aquariums.

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