

# Insectivore extrudate

Feed number: 3762

Suitable for: Insect-eating mammals, e.g. meerkats, aardwolves, aardvarks, armadillos, hedgehogs etc.

## YOUR BENEFITS

- ◇ High-quality complementary feed for insectivorous mammals
- ◇ Ideal for supplementing an insect- and vegetable-based diet, depending on the species
- ◇ With a ration content of about 50% of the dry matter, the feed ideally complements minerals, trace elements and vitamins
- ◇ Wide Ca:P ratio (2.3:1) to balance calcium-poor ration components (unsupplemented insects, cereal products, meat)
- ◇ High proportion of insect protein flour (20%)
- ◇ Contains shrimp shell meal as a natural source of chitin (4%)
- ◇ Taurine supplemented (0.35%)
- ◇ With prebiotics (0.8%) to support digestion
- ◇ Extrudate for high acceptance and good digestibility
- ◇ Small size for easy scatter feeding, also applicable in automatic feeding machines

## TYPE OF FEED, FORM, DELIVERY QUANTITY

- ◇ Supplementary feed
- ◇ Form: Extrudates
- ◇ Delivery quantity: 12.5 kg paper bag with plastic inlay  
pallets of 375 kg
- ◇ Product number: 3762.ES.F12



Colours may be different from the product

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## FEED SPECIFICATIONS

### Major nutrients (%)

Dry matter	90.0
Crude protein	23.0
Crude fat	8.7
Crude fiber	12.5
Crude ash	8.0
NFE	37.8
NDF	22.0
ADF	14.0
Starch	23.0
Sugar	3.5

### Energy (MJ/kg)

GE	18.1
DE Dog	11.5
ME Cat	12.9

### Macrominerals (%)

Calcium	1.6
Phosphorus	0.7
Magnesium	0.35
Sodium	0.3
Potassium	0.6
Chlorine	0.6

### Trace elements (mg/kg)

Iron	300
Zinc	140
Copper	30
Iodine	3.7
Manganese	120
Selenium	0.6
Cobalt	1.4

### Vitamins (added, mg/kg)

Vitamin A (IU/KG)	16'000
Vitamin D3 (IU/KG)	2'000
Vitamin E	750
Vitamin K3	13
Vitamin B1	48
Vitamin B2	28
Vitamin B6	24
Vitamin B12	0.16
Nicotinic acid	80
Pantothenic acid	80
Folic acid	4
Biotin	0.9
Choline	1'680
Vitamin C	320

### Amino acids (%)

Arginine	1.1
Lysine	1.0
Methionine	0.7
Methionine + Cystine	1.0
Tryptophan	0.3
Threonine	0.8

### Ingredients

Insect protein meal, poultry meat meal, potato protein, apple pomace, oat bran, mineral, trace element and vitamin premix, oat flakes, poultry fat, sugar, corn, corn starch, soybean oil, cellulose, shrimp shell meal, fish oil, fructooligosaccharides, inulin, salt, amino acids, E. faecium (E1708)

### 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

- ◇ Feeding in several servings daily
- ◇ For an optimal ration composition, the extrudate should make up about 50% of the ration (based on dry matter)
- ◇ Depending on the species, to be combined with insects, vegetables, cereal products, meat, fruits, honey etc.
- ◇ For more detailed ration recommendations, we are at your disposal
- ◇ Make feed changes gradually over a period of at least two weeks
- ◇ Always provide fresh water

### Sources:

Bernard J. B. et al. (1997) – Feeding captive insectivorous animals: Nutritional aspects of insects as foods, Nutrition Advisory Group Handbook, Factsheet 003 AZA Small Carnivore TAG 2011. Mongoose, Meerkat, & Fossa (Herpestidae/Eupleridae) Care Manual. Association of Zoos and Aquariums, Silver Spring, MD, pp.103.

National Research Council (2006). Nutrient Requirements of Dogs and Cats, National Academies Press, Washington DC, S. 31

Kamphues et al. (eds), Supplemente zur Tierernährung für Studium und Praxis, 12. Auflage, 2014. M&H. Schaper, Hannover, pp 20-26, pp 20-26

Oyarzun, S.E. et al (1996), Nutrition of the Tamandua: I. Nutrient. Composition of Termites (Nasutitermes spp.) and Stomach Content From Wild Tamanduas (Tamandua tetradactyla), Zoo Biology 15:509-524