

◆ DEFINITION

Food for breeding Rats, Mice and Hamsters

◆ PRODUCT OBJECTIVE

Rodent food destined for breeding, pregnant and nursing animals.

Distribution period: adult animals after weaning.

Daily amount consumed: rats 18 to 25 g, mice 8 to 12 g and hamsters 15 to 20 g.

Method of distribution: ad libitum or rationed according to experimental protocols.

◆ PRODUCT PRESENTATION

12 mm diameter granulate (can be modified on request)

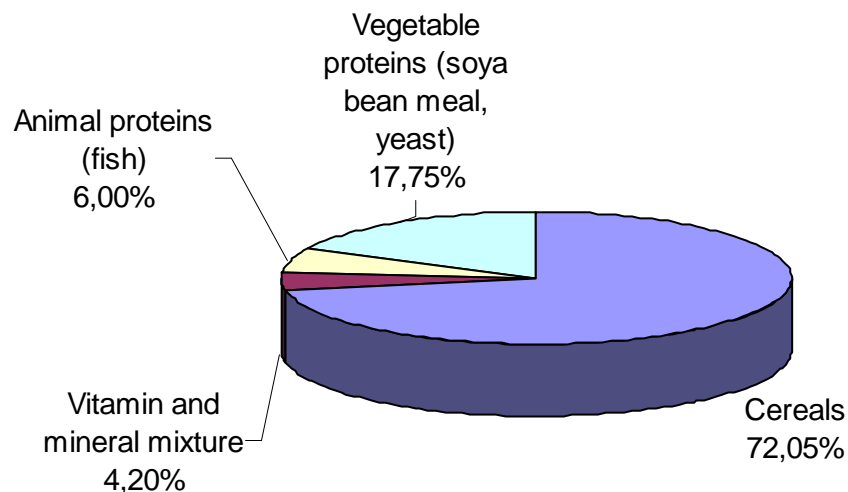
◆ PACKAGING

10 kg paper bag. Other packaging available on request.

◆ MAINTENANCE CONDITIONS

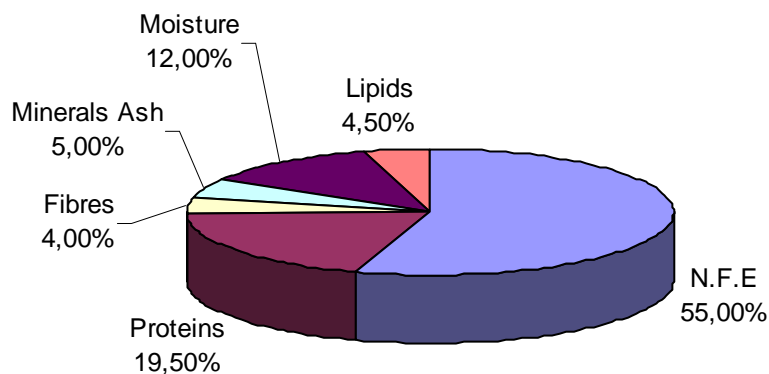
Animals kept under conventional conditions.

◆ CENTESIMAL COMPOSITION



◆ **NUTRITIONAL COMPOSITION**

Caloric intake (kcal/kg) 3 000



Values are given as an indication only. They are average values

AMINO ACID VALUES

Calculated / kg

12 700 mg	Arginine
3 300 mg	Cystine
11 800 mg	Lysine
4 400 mg	Methionine
2 400 mg	Tryptophan
11 700 mg	Glycine

FATTY ACID VALUES

Calculated / kg

6 700 mg	Palmitic ac.
500 mg	Plamitoleic ac.
2 700 mg	Stearic ac.
14 900 mg	Oleic ac.
19 700 mg	Linoleic ac.
Traces	Linolenic ac.

♦ MINERAL AND VITAMIN CONTENT

Minerals calculated / kg

		Nat.val.(*)	CMV val.	TOTAL
P	mg	4 300	1 700	6 000
Ca	mg	1 700	6 300	8 000
Na	mg	900	2,5	903
K	mg	7 500	-	7 500
Mg	mg	1 200	130	1 330
Mn	mg	35	40	75
Fe	mg	103	150	253
Cu	mg	5	15	20
Zn	mg	33	45	78
Co	mg	0,06	1,5	1,56
I	mg	0,4	-	0
CI	mg	-	3 000	-

Vitamins calculated / kg

		Nat.val.(*)	CMV val.	TOTAL
Vitam. A	UI		25 000	25000
Vitam. D3	UI		3 000	3000
Vitam. B1	mg	5	2,5	7,5
Vitam. B2	mg	3	10	13
Vitam. B3	mg	13	24	37
Vitam. B6	mg	1,6	4	5,6
Vitam. B12	mg	0,035	0,025	0,06
Vitam. E	mg		100	100
Vitam. K3	mg		5	5
Vitam. PP	mg	60	30	90
Ac. Folic.	mg	0,5	0,25	0,75
Biotine	mg	0,05	0,1	0,15
Choline	mg	1300	800	2100
Meso-Inositol	mg		1	1
Ac. PAB	mg		0,5	0,5

◆ MEAN TEST SHEET :

		Mean	Standard deviation	Limits
Quantity manufactured	(tonnes)	10	5	
Variation from theoretical weight		Conform		
PHYSICAL QUALITY OF THE PELLETS				
Diameter	(mm)	12,61	0,62	(12,0 to 13,4)
Resistance to crushing	(kgf/cm ²)	15,8	2,6	(10 to 20)
Resistance to abrasing	(%)	97,8	2,5	(> 97)
Specific mass	(g/l)	663	43	
Average pellet weight	(g)	2,65	0,32	
Average pellet length	(mm)	19	1,5	(15 to 24)
Length < Diameter	(%)	0,3	0,7	(< 2)
Number of pellets burnt	(/kg)	0	0	(< 1)
		Mean	Standard deviation	Limits
NUTRITIVE QUALITY				
Incorporation of macro-mineral mix (Na)		Positive		
Incorporation of micro-mineral premix (Mn and Cu)		Positive		
Incorporation of vitamin premix (vit A and E)		Positive		
Moisture	(%)	11,2	1	(9 to 14)
Crude protein	(%)	19,4	0,5	(17,0 to 22,0)
Crude oil	(%)	4,6	0,4	(3,0 to 6,0)
Nitrogen free extract	(%)	55,5	0,7	(50 to 60)
of which starch	(%)	39,6	0,8	(30 to 45)
of which total sugars	(%)	3,1	0,4	
Crude fibre	(%)	4	0,5	(2,5 to 5,5)
Hemicellulose	(%)			
True cellulose	(%)			
Lignine	(%)			
Total minerals	(%)	5,2	0,3	(4,2 to 6,6)
Calcium	(mg/kg)	8000	600	(6000 to 11000)
Phosphorus	(mg/kg)	5700	300	(4500 to 7500)
Sodium	(mg/kg)	2700	200	(2000 to 4000)
Potassium	(mg/kg)	7500	500	(6000 to 9000)
Manganese	(mg/kg)	73	6	(45 to 110)
Copper	(mg/kg)	18	2	(0 to 35)
Vitamin A	(UI/kg)	22000	4500	(10000 to 30000)
Vitamine C	(mg/kg)			
Vitamin D3	(UI/kg)	1100	700	(<= 3000)
Vitamin E	(mg/kg)	110	40	
CONTAMINENTS				
BACTERIOLOGY				
		M	S-D	L
Viable organisms	(/g)	1600	1200	(< 10000)
Moulds and yeasts	(/g)	< 10		(< 1000)
Total coliforms	(/g)	0		(<5)
Faecal coliforms	(/g)	0	0	(0)
Anaerobies S.R	(/g)	< 10		(< 100)
Salmonella	(/25g)	0		(0)
MYCOTOXINS (µg/kg)				
Aflatoxin		< 1		(< 5)
Mycotoxin global risk		Negative		
HEAVY METALS				
		M	S-D	L
Lead - Pb	(µg/kg)	160	90	(< 1500)
Mercury - Hg	(µg/kg)	25	7	(< 100)
Arsenic - As	(µg/kg)	450	300	(< 1000)
Cadmium - Cd	(µg/kg)	37	7	(< 250)
Selenium - Se	(µg/kg)	170	90	(< 600)

NITROGEN DERIVATIVES		M	S-D	L
NO2	(mg/kg)	2	2	Σ (< 500)
NO3	(mg/kg)	60	40	
NDMA	(µg/kg)	2,3	0,7	(< 10)
NDEA	(µg/kg)	< 0,2		(< 10)
NDPA	(µg/kg)	< 0,3		(< 10)
NDBA	(µg/kg)	< 0,3		(< 10)
NPIP	(µg/kg)	< 0,3		(< 10)
NPYR	(µg/kg)	< 0,5		(< 10)
NMOR	(µg/kg)	< 0,6		(< 10)
PESTICIDES ORGANOS-CHLORINE (µg/kg) (Total < 200)		M	S-D	L
Lindane		12	17	(< 100)
a HCH		< 1		(< 20)
b HCH		< 5		(< 10)
d HCH		< 5		(< 100)
HCB		< 1		(< 10)
PCB		< 50		(< 50)
Aldrin		< 1		(< 10)
Dieldrin		< 1		(< 20)
Endosulfan		< 1		(< 100)
Heptachlor		< 1		Σ (< 50)
Heptachlor Epoxyde		< 1		
Endrin		< 1		(< 10)
o,p'DDD		< 5		Σ (< 50)
p,p'DDD		< 5		
o,p'DDE		< 1		
p,p'DDE		< 1		
o,p'DDT		< 5		
p,p'DDT		< 5		

PESTICIDES ORGANOS-PHOSPHORUS ($\mu\text{g}/\text{kg}$) (Total < 7000)	M	S-D	L
Acéphate	< 500		(< 5000)
Azinphos ethyl	< 50		(< 5000)
Azinphos methyl	< 50		(< 5000)
Bromophos ethyl	< 10		(< 5000)
Bromophos methyl	< 20		(< 5000)
Carbophenothion ethyl	< 50		(< 5000)
Carbophenothion methyl	< 20		(< 5000)
Chlorfenvinphos	< 10		(< 5000)
Chlormephos	< 10		(< 5000)
Chlorpyriphos ethyl	< 15		(< 5000)
Chlorpyriphos methyl	24	38	(< 1500)
Chlorthiofos	< 15		(< 5000)
Diazinon	< 15		(< 5000)
Dichlofenthion	< 10		(< 5000)
Dichlorvos	< 20		(< 5000)
Diethion	< 10		(< 5000)
Dimefox	< 20		(< 5000)
Dimethoate	< 30		(< 1000)
Dioxathion	< 15		(< 5000)
Disulfoton	< 30		(< 5000)
Ethoprophos	< 20		(< 5000)
Fenchlorphos	< 20		(< 5000)
Fenitrothion	< 15		(< 5000)
Fenthion	< 30		(< 5000)
Fonofos	< 20		(< 5000)
Formothion	< 20		(< 5000)
Heptenophos	< 30		(< 5000)
Iodofenphos	< 25		(< 5000)
Malathion	64	52	(< 5000)
Methamidophos	< 15		(< 5000)
Methidathion	< 25		(< 5000)
Mevinphos	< 10		(< 5000)
Monocrotophos	< 90		(< 5000)
Naled	< 15		(< 5000)
Oxydemeton methyl	< 400		(< 5000)
Parathion ethyl	< 20		(< 5000)
Parathion methyl	< 20		(< 5000)
Phosalone	< 50		(< 5000)
Phosmet	< 50		(< 5000)
Phosphamidon	< 25		(< 5000)
Profenofos	< 50		(< 5000)
Prothoate	< 20		(< 5000)
Pyridaphention	< 15		(< 5000)
Pyrimiphos ethyl	< 20		(< 5000)
Pyrimiphos methyl	42	69	(< 2500)
Sulfotep	< 20		(< 5000)
Temephos	< 15		(< 5000)
Tetrachlorvinphos	< 30		(< 5000)
Thiomethon	< 40		(< 5000)
Trazophos	< 30		(< 5000)
Trichlorfon	< 10		(< 5000)
Trichloronate	< 25		(< 5000)
SYNTHETIC PYRETHRINOIDS ($\mu\text{g}/\text{kg}$)			
none			