

R01-10

DIET DATA SHEET

◆ DEFINITION

Food for breeding Rats, Mice and Hamsters

◆ PRODUCT OBJECTIVE

Rodent food destined for transgenic or specific lines during growth and/or breeding animals (pregnant and nursing).

Distribution period: from birth

Daily amount consumed: rats 16 to 22 g, mice from 6 to 10 g.

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

◆ PRODUCT PRESENTATION

10 mm diameter granulate (can be modified on request)

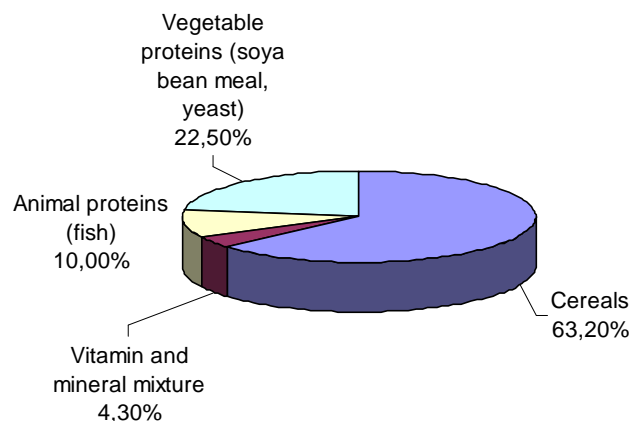
◆ PACKAGING

10kg bag vacuum-packed, irradiated at 25 kilograys.

◆ MAINTENANCE CONDITIONS

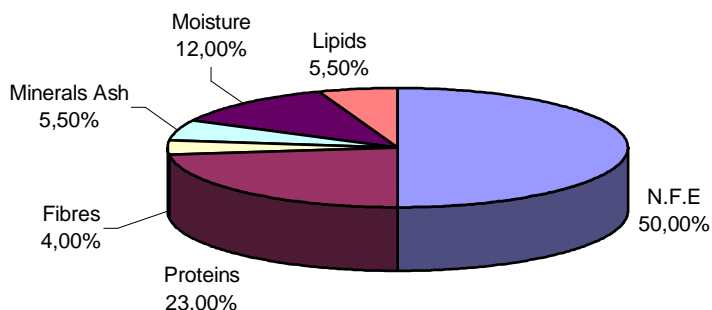
Animals with transgenic status or specific lines

◆ CENTESIMAL COMPOSITION



◆ **NUTRITIONAL COMPOSITION**

Caloric intake (kcal/kg) 3500



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

AMINO ACID VALUES

Calculated / kg

| | |
|----------|------------|
| 12800 mg | Arginine |
| 3500 mg | Cystine |
| 14000 mg | Lysine |
| 5000 mg | Methionine |
| 2500 mg | Tryptophan |
| 12300 mg | Glycine |

FATTY ACID VALUES

Calculated / kg

| | |
|----------|-----------------|
| 6 700 mg | Palmitic ac. |
| 900 mg | Plamitoleic ac. |
| 1200 mg | Stearic ac. |
| 17600 mg | Oleic ac. |
| 30400 mg | Linoleic ac. |
| 100 mg | Linolenic ac. |

◆ **MINERAL AND VITAMIN CONTENT**

Minerals calculated / kg

| | | Nat.val.(*) | CMV val. | TOTAL |
|-----------|----|-------------|----------|-------------|
| P | mg | 5 500 | 500 | 6 000 |
| Ca | mg | 2 200 | 6 800 | 9 000 |
| Na | mg | 10,4 | 0 | 10.1 à 11.5 |
| K | mg | 14 | 2 | 9 à 20 |
| Mg | mg | 99 | 0 | 99 |
| Mn | mg | 673 | 44 | 717 |
| Fe | mg | 1,8 | 0 | 2 |
| Cu | mg | 18,3 | 1 | 13 à 23 |
| Zn | mg | 0,2 | 0 | 1 |
| Co | mg | 0 | 0 | 1,6 |
| I | mg | | | |
| Cl | mg | | | |

Vitamins calculated / kg

| | | Nat.val.(*) | CMV val. | TOTAL |
|-------------------|----|-------------|----------|-------------|
| Vitam. A | UI | | 20 000 | 20000 |
| Vitam. D3 | UI | | 1 000 | 1000 |
| Vitam. B1 | mg | 10,4 | 0 | 10.1 à 11.5 |
| Vitam. B2 | mg | 14 | 2,2 | 9 à 20 |
| Vitam. B3 | mg | 99 | 0,3 | 99,3 |
| Vitam. B6 | mg | 673 | 44 | 9 |
| Vitam. B12 | mg | 1,8 | 0,1 | 1,9 |
| Vitam. E | mg | 18,3 | 1,1 | 13 à 23 |
| Vitam. K3 | mg | 0,2 | 0,4 | 0,6 |
| Vitam. PP | mg | 0 | 0 | 0 |
| Ac. Folic. | mg | 0,75 | 0,25 | 1 |
| Biotine | mg | 0,15 | 0,1 | 0,25 |
| Choline | mg | 1560 | 800 | 2360 |
| Meso-Inosi | mg | | 1 | 1 |
| Ac. PAB | mg | | 0,5 | 0,5 |

◆ MEAN TEST SHEET :

| | | Moyenne | Ecart-type | Limites |
|--|------------------------|-------------|---------------------------|----------------|
| Quantity manufactured | (tonnes) | 9 | 3 | |
| Variation from theoretical weight | | conform | | |
| | | Mean | Standard deviation | Limits |
| Diameter | (mm) | 10,4 | 0,07 | 10.1 to 11.5 |
| Resistance to crushing | (kgf/cm ²) | 14 | 2,2 | 9 to 20 |
| Resistance to abrasing | (%) | 99 | 0,3 | (> 97) |
| Specific mass | (g/l) | 673 | 44 | |
| Average pellet weight | (g) | 1,8 | 0,1 | |
| Average pellet length | (mm) | 18,3 | 1,1 | 13 to 23 |
| Length < Diameter | (%) | 0,2 | 0,4 | (< 2) |
| Number of pellets burnt | (/kg) | 0 | 0 | (< 1) |
| NUTRITIVE QUALITY | | Mean | Standard deviation | Limits |
| 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 | 0,8 | (9 to 14) |
| Crude protein | (%) | 23,1 | 1 | 20,0 to 24,0 |
| Crude oil | (%) | 5,6 | 0,3 | 4,5 to 8,5 |
| Nitrogen free extract | (%) | 50,6 | 0,5 | 46 to 55 |
| of which starch | (%) | 32,8 | 0,5 | 28 to 36 |
| of which total sugars | (%) | 3,9 | 0,8 | |
| Crude fibre | (%) | 3,9 | 0,1 | 3,0 to 4,5 |
| Hemicellulose | (%) | | | |
| True cellulose | (%) | | | |
| Lignine | (%) | | | |
| Total minerals | (%) | 5,6 | 0,3 | 5,0 to 8,0 |
| Calcium | (mg/kg) | 8900 | 500 | 7500 to 11000 |
| Phosphorus | (mg/kg) | 5800 | 300 | 4500 to 7000 |
| Sodium | (mg/kg) | 3100 | 0 | 2300 to 3600 |
| Potassium | (mg/kg) | 8800 | 200 | 6000 to 11000 |
| Manganese | (mg/kg) | 86 | 5 | 65 to 120 |
| Copper | (mg/kg) | 19 | 3 | 0 to 35 |
| Vitamin A | (UI/kg) | 19800 | 7300 | 10000 to 40000 |
| Vitamine C | (mg/kg) | | | |
| Vitamin D3 | (UI/kg) | 1000 | 600 | (<= 3000) |
| Vitamin E | (mg/kg) | 80 | 40 | |

| CONTAMINANTS | | | | |
|---|---------|--------------|---------------------------|---------------|
| BACTERIOLOGY | | Mean | Standard deviation | Limits |
| Viable organisms | (/g) | 0 | | (< 100000) |
| Moulds and yeasts | (/g) | 0 | | (< 1000) |
| Total coliforms | (/g) | 0 | | (<5) |
| Faecal coliforms | (/g) | 0 | | (0) |
| Anaerobies S.R | (/g) | < 10 | | (< 100) |
| Salmonella | (/25g) | 0 | | (0) |
| MYCOTOXINS (µg/kg) | | | | |
| Aflatoxin | | < 1 | | (< 5) |
| Mycotoxin global risk | | Ne+C20gative | | |
| HEAVY METALS | | Mean | Standard deviation | Limits |
| Lead - Pb | (µg/kg) | 320 | 190 | (< 1500) |
| Mercury - Hg | (µg/kg) | 37 | 6 | (< 100) |
| Arsenic - As | (µg/kg) | 200 | 130 | (< 1000) |
| Cadmium - Cd | (µg/kg) | 54 | 11 | (< 250) |
| Selenium - Se | (µg/kg) | 180 | 80 | (< 600) |
| NITROGEN DERIVATIVES | | Mean | Standard deviation | Limits |
| NO2 | (mg/kg) | 2,2 | 1,5 | (< 500) |
| NO3 | (mg/kg) | 60 | 30 | |
| NDMA | (µg/kg) | 3,4 | 0,8 | (< 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) | | Mean | Standard deviation | Limits |
| Lindane | | 19 | 15 | (< 100) |
| a HCH | | < 1 | | (< 20) |
| b HCH | | < 5 | | (< 10) |
| d HCH | | < 5 | | (< 100) |
| HCB | | < 1 | | (< 10) |
| PCB | | < 50 | | (< 50) |
| Aldrin | | < 1 | | (< 10) |
| Dieldrin | | 7 | 9 | (< 20) |
| Endosulfan | | 1 | 2 | (< 100) |
| Heptachlor | | < 1 | | (< 50) |
| Heptachlor Epoxyde | | < 1 | | |
| Endrin | | < 1 | | (< 10) |
| o,p'DDD | | < 5 | | (< 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) | Mean | Standard deviation | Limits |
|--|-------|--------------------|----------|
| 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 | < 15 | | (< 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 | 155 | 88 | (< 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 | 75 | 39 | (< 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 | | | |