

Rat and Mouse Breeder and Grower

Expanded

SUITABLE SPECIES AND APPLICATIONS

Rats and mice for breeding and short term maintenance.

BENEFITS

- Efficient and economical lower protein breeding diet also suitable for maintenance.
- Expanded diets have improved palatability, suffer less wastage and are microbiologically cleaner due to high processing temperature.

FEEDING GUIDE

Ad-lib feeding is recommended.

AVAILABLE AS

Diet	Form	Product Code
<i>Standard</i>		
CRM (E)	<i>Expanded</i>	801730

- All diets are available irradiated and are available in a range of packaging.
- All Standard diets are available with full analysis on request.

INGREDIENTS

Wheat, Wheatfeed, Barley, De-hulled Extracted Toasted Soya, Maize, Fish Meal, Macro Minerals, Soya Oil, Amino Acids, Vitamins, Micro Minerals.



Calculated Analysis

NUTRIENTS		Total	Supp (9)
Proximate Analysis			
Moisture (1)	%	10.00	
Crude Oil	%	3.40	
Crude Protein	%	18.62	
Crude Fibre	%	4.18	
Ash	%	5.84	
Nitrogen Free Extract	%	57.61	
Digestibility Co-Efficients (7)			
Digestible Crude Oil	%	3.09	
Digestible Crude Protein	%	16.72	
Carbohydrates, Fibre and Non Starch Polysaccharides (NSP)			
Total Dietary Fibre	%	14.99	
Pectin	%	1.40	
Hemicellulose	%	8.82	
Cellulose	%	3.85	
Lignin	%	1.40	
Starch	%	42.63	
Sugar	%	3.94	
Energy (5)			
Gross Energy	MJ/kg	15.12	
Digestible Energy (15)	MJ/kg	12.38	
Metabolisable Energy (15)	MJ/kg	11.28	
Atwater Fuel Energy (AFE) (8)	MJ/kg	14.02	
AFE from Oil	%	9.12	
AFE from Protein	%	22.20	
AFE from Carbohydrate	%	68.68	
Fatty Acids			
Saturated Fatty Acids			
C12:0 Lauric	%	0.03	
C14:0 Myristic	%	0.15	
C16:0 Palmitic	%	0.33	
C18:0 Stearic	%	0.06	
Monounsaturated Fatty Acids			
C14:1 Myristoleic	%	0.02	
C16:1 Palmitoleic	%	0.12	
C18:1 Oleic	%	0.89	
Polyunsaturated Fatty Acids			
C18:2(ω6) Linoleic	%	0.91	
C18:3(ω3) Linolenic	%	0.11	
C20:4(ω6) Arachidonic	%	0.17	
C22:5(ω3) Clupanodonic	%	0.02	
Amino Acids			
Arginine	%	1.26	
Lysine (6)	%	1.05	0.13
Methionine	%	0.27	
Cystine	%	0.29	
Tryptophan	%	0.22	
Histidine	%	0.47	
Threonine	%	0.69	
Isoleucine	%	0.78	
Leucine	%	1.39	
Phenylalanine	%	0.87	
Valine	%	0.90	
Tyrosine	%	0.66	
Taurine	%		
Glycine	%	1.60	
Aspartic Acid	%	1.05	

NUTRIENTS		Total	Supp (9)
Glutamic Acid	%	3.59	
Proline	%	1.27	
Serine	%	0.78	
Hydroxyproline	%	0.03	
Hydroxylysine	%		
Alanine	%	0.14	
Macro Minerals			
Calcium	%	0.74	0.40
Total Phosphorus	%	0.63	0.07
Phytate Phosphorus	%	0.23	
Available Phosphorus	%	0.40	0.07
Sodium	%	0.30	0.22
Chloride	%	0.44	0.35
Potassium	%	0.69	
Magnesium	%	0.22	0.01
Micro Minerals			
Iron	mg/kg	144.33	60.21
Copper	mg/kg	16.44	6.90
Manganese	mg/kg	91.27	44.90
Zinc	mg/kg	87.89	52.86
Cobalt	µg/kg	502.88	420.30
Iodine	µg/kg	583.74	310.17
Selenium	µg/kg	323.71	100.34
Fluorine	mg/kg	9.98	
Vitamins			
β-Carotene (2)	mg/kg	0.50	
Retinol (2)	µg/kg	4869.26	4500.38
Vitamin A (2)	iu/kg	16224.44	15001.26
Cholecalciferol (3)	µg/kg	91.58	75.00
Vitamin D (3)	iu/kg	3663.24	3000.00
α-Tocopherol (4)	mg/kg	93.35	72.81
Vitamin E (4)	iu/kg	102.69	80.09
Vitamin B ₁ (Thiamine)	mg/kg	15.94	9.83
Vitamin B ₂ (Riboflavin)	mg/kg	13.65	11.76
Vitamin B ₆ (Pyridoxine)	mg/kg	18.25	13.74
Vitamin B ₁₂ (Cyanocobalamin)	µg/kg	82.11	75.00
Vitamin C (Ascorbic Acid)	mg/kg	1.80	
Vitamin K (Menadione)	mg/kg	185.11	180.00
Folic Acid (Vitamin B ₉)	mg/kg	4.41	2.94
Nicotinic Acid (Vitamin PP) (6)	mg/kg	82.53	27.65
Pantothenic Acid (Vitamin B _{3/5})	mg/kg	25.74	11.56
Choline (Vitamin B _{4/7})	mg/kg	1038.90	75.63
Inositol	mg/kg	2301.76	12.78
Biotin (Vitamin H) (6)	µg/kg	498.53	230.85

Notes

- All values are calculated using a moisture basis of 10%. Typical moisture levels will range between 9.5 - 11.5%.
- a. Vitamin A includes Retinol and the Retinol equivalents of β-carotene
b. Retinol includes the Retinol equivalents of β-Carotene.
c. 0.48 µg Retinol = 1 µg β-carotene = 1.6 iu Vitamin A activity
d. 1 µg Retinol = 3.33* iu Vitamin A activity
e. 1 iu Vitamin A = 0.3 µg Retinol = 0.6 µg β-carotene
f. The standard analysis for Vitamin A does not detect β-carotene
- 1 µg Cholecalciferol (D₃) = 40.0 iu Vitamin D
- 1 mg all-*rac*-α-tocopherol = 1.1 iu Vitamin E activity
1 mg all-*rac*-α-tocopherol acetate = 1.0 iu Vitamin E activity
- 1 MJ = 239.23 Kcalories = 239.23 Calories = 239,230 calories
- These nutrients coming from natural raw materials such as cereals may have low availabilities due to the interactions with other compounds.
- Based on in-vitro digestibility analysis.
- AF Energy = Atwater Fuel Energy = ((CO%/100)*9000)+((CP%/100)*4000)+((NFE%/100)*4000)/239.23
- Supplemented nutrients from manufactured and mined sources.
- Calculated.