

## Rat and Mouse No.1 Maintenance Autoclavable

*Pelleted*

### SUITABLE SPECIES AND APPLICATIONS

An autoclavable diet for rats and mice for long and short-term maintenance.

### BENEFITS

- Low protein level promotes longer life expectancy, reduces obesity and associated problems in the aged animal.
- Elevated levels of vitamins to withstand the effects of all autoclaving cycles.
- Coated with inert silicon to prevent clumping during autoclaving.

### FEEDING GUIDE

Ad-lib feeding is recommended.

### AUTOCLAVING INSTRUCTIONS

SDS Autoclavable Rodent diets can be autoclaved in their bags or on trays. It is recommended that the bags are stacked evenly in the autoclave with adequate spacing between bags to allow effective sterilization.

### AVAILABLE AS

Diet	Form	Product Code
<i>Standard</i> RM1A (P)	<i>9.5mm Pelleted</i>	<i>801010</i>

### INGREDIENTS

Wheat, Barley, Wheatfeed, De-hulled Extracted Toasted Soya, Soya Protein Concentrate, Macro Minerals, Soya Oil, Whey Powder, Amino Acids, Vitamins, Micro Minerals.



## Calculated Analysis

NUTRIENTS		Total	Supp (9)
<b>Proximate Analysis</b>			
Moisture (1)	%	10.00	
Crude Oil	%	2.71	
Crude Protein	%	14.37	
Crude Fibre	%	4.65	
Ash	%	6.00	
Nitrogen Free Extract	%	61.65	
<b>Digestibility Co-Efficients (7)</b>			
Digestible Crude Oil	%	2.46	
Digestible Crude Protein	%	12.91	
<b>Carbohydrates, Fibre and Non Starch Polysaccharides (NSP)</b>			
Total Dietary Fibre	%	17.04	
Pectin	%	1.52	
Hemicellulose	%	10.16	
Cellulose	%	4.32	
Lignin	%	1.68	
Starch	%	44.91	
Sugar	%	4.05	
<b>Energy (5)</b>			
Gross Energy	MJ/kg	14.72	
Digestible Energy (15)	MJ/kg	11.89	
Metabolisable Energy (15)	MJ/kg	10.75	
Atwater Fuel Energy (AFE) (8)	MJ/kg	13.73	
AFE from Oil	%	7.43	
AFE from Protein	%	17.50	
AFE from Carbohydrate	%	75.08	
<b>Fatty Acids</b>			
<b>Saturated Fatty Acids</b>			
C12:0 Lauric	%	0.02	
C14:0 Myristic	%	0.14	
C16:0 Palmitic	%	0.31	
C18:0 Stearic	%	0.04	
<b>Monounsaturated Fatty Acids</b>			
C14:1 Myristoleic	%	0.02	
C16:1 Palmitoleic	%	0.09	
C18:1 Oleic	%	0.77	
<b>Polyunsaturated Fatty Acids</b>			
C18:2(ω6) Linoleic	%	0.69	
C18:3(ω3) Linolenic	%	0.06	
C20:4(ω6) Arachidonic	%	0.13	
C22:5(ω3) Clupanodonic	%		
<b>Amino Acids</b>			
Arginine	%	0.91	
Lysine (6)	%	0.66	0.07
Methionine	%	0.22	0.04
Cystine	%	0.24	
Tryptophan	%	0.18	
Histidine	%	0.35	
Threonine	%	0.49	
Isoleucine	%	0.54	
Leucine	%	0.98	
Phenylalanine	%	0.66	
Valine	%	0.69	
Tyrosine	%	0.49	
Taurine	%		
Glycine	%	1.11	
Aspartic Acid	%	0.67	

NUTRIENTS		Total	Supp (9)
Glutamic Acid	%	3.17	
Proline	%	1.19	
Serine	%	0.55	
Hydroxyproline	%		
Hydroxylysine	%		
Alanine	%	0.16	
<b>Macro Minerals</b>			
Calcium	%	0.73	0.63
Total Phosphorus	%	0.52	0.05
Phytate Phosphorus	%	0.24	
Available Phosphorus	%	0.28	0.05
Sodium	%	0.25	0.19
Chloride	%	0.38	0.32
Potassium	%	0.67	
Magnesium	%	0.23	
<b>Micro Minerals</b>			
Iron	mg/kg	159.23	82.95
Copper	mg/kg	11.49	1.98
Manganese	mg/kg	72.40	19.58
Zinc	mg/kg	35.73	
Cobalt	µg/kg	633.94	550.63
Iodine	µg/kg	1202.49	1085.36
Selenium	µg/kg	298.87	100.73
Fluorine	mg/kg	10.48	
<b>Vitamins</b>			
β-Carotene (2)	mg/kg	0.16	
Retinol (2)	µg/kg	14996.23	14400.82
Vitamin A (2)	iu/kg	49987.07	48002.69
Cholecalciferol (3)	µg/kg	88.05	85.00
Vitamin D (3)	iu/kg	3522.02	3400.00
α-Tocopherol (4)	mg/kg	189.43	166.09
Vitamin E (4)	iu/kg	208.37	182.70
Vitamin B <sub>1</sub> (Thiamine)	mg/kg	54.26	46.11
Vitamin B <sub>2</sub> (Riboflavin)	mg/kg	61.17	57.83
Vitamin B <sub>6</sub> (Pyridoxine)	mg/kg	55.56	50.03
Vitamin B <sub>12</sub> (Cyanocobalamin)	µg/kg	69.63	66.01
Vitamin C (Ascorbic Acid)	mg/kg	2.68	
Vitamin K (Menadione)	mg/kg	84.75	81.36
Folic Acid (Vitamin B <sub>9</sub> )	mg/kg	19.06	17.64
Nicotinic Acid (Vitamin PP) (6)	mg/kg	183.08	120.50
Pantothenic Acid (Vitamin B <sub>3/5</sub> )	mg/kg	56.20	40.74
Choline (Vitamin B <sub>4/7</sub> )	mg/kg	1079.89	367.51
Inositol	mg/kg	2366.38	27.21
Biotin (Vitamin H) (6)	µg/kg	753.39	461.81

### 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 (D<sub>3</sub>) = 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.