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

<table>
<thead>
<tr>
<th>Diet</th>
<th>Form</th>
<th>Product Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard RM1A (P)</td>
<td>9.5mm Pelleted</td>
<td>801010</td>
</tr>
</tbody>
</table>

INGREDIENTS


Email: info@sdsdiets.com

Catalogue revision 4 0103
## Calculated Analysis

### Nutrients

#### Proximate Analysis

<table>
<thead>
<tr>
<th>Nutrient</th>
<th>Total</th>
<th>Supp (9)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Moisture (1)</td>
<td>10.00</td>
<td></td>
</tr>
<tr>
<td>Crude Oil</td>
<td>2.71</td>
<td></td>
</tr>
<tr>
<td>Crude Protein</td>
<td>14.37</td>
<td></td>
</tr>
<tr>
<td>Crude Fibre</td>
<td>4.65</td>
<td></td>
</tr>
<tr>
<td>Ash</td>
<td>6.00</td>
<td></td>
</tr>
<tr>
<td>Nitrogen Free Extract</td>
<td>61.65</td>
<td></td>
</tr>
</tbody>
</table>

#### Digestibility Co-Efficients (7)

<table>
<thead>
<tr>
<th>Digestible Crude Oil</th>
<th>% 2.46</th>
</tr>
</thead>
<tbody>
<tr>
<td>Digestible Crude Protein</td>
<td>12.91</td>
</tr>
</tbody>
</table>

#### Carbohydrates, Fibre and Non Starch Polysaccharides (NSP)

| Total Dietary Fibre | % 17.04 |
| Pectin              | % 1.52  |
| Hemicellulose       | % 10.16 |
| Cellulose           | % 4.32  |
| Lignin              | % 1.68  |
| Starch              | % 44.91 |
| Sugar               | % 4.05  |

#### Energy (5)

| 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 |

#### Saturated Fatty Acids

- C12:0 Lauric
- C14:0 Myristic
- C16:0 Palmitic
- C18:0 Stearic

#### Monounsaturated Fatty Acids

- C14:1 Myristoleic
- C16:1 Palmitoleic
- C18:1 Oleic

#### Polyunsaturated Fatty Acids

- C18:2(ω6) Linoleic
- C18:3(ω3) Linolenic
- C20:4(ω6) Arachidonic
- C22:5(ω3) Clupanodonic

#### Amino Acids

- Arginine
- Lysine (6)
- Methionine
- Cystine
- Tryptophan
- Histidine
- Threonine
- Isoleucine
- Leucine
- Phenylalanine
- Valine
- Tyrosine
- Taurine
- Glycine
- Aspartic Acid

#### Notes

1. All values are calculated using a moisture basis of 10%.
2. Typical moisture levels will range between 9.5 - 11.5%.
4. Retinol includes the Retinol equivalents of β-Carotene.
5. The standard analysis for Vitamin A does not detect β-carotene.
6. Supplemented nutrients from manufactured and mined sources.
7. Based on in-vitro digestibility analysis.
8. AF Energy = Atwater Fuel Energy = ((CO%/100)*9000) + ((CP%/100)*4000) + ((NFE%/100)*4000)/239.23
9. Supplemented nutrients from natural raw materials such as cereals may have low availabilities due to the interactions with other compounds.
10. Calculated.

### Macro Minerals

- Calcium
- Total Phosphorus
- Phytate Phosphorus
- Available Phosphorus
- Sodium
- Chloride
- Potassium
- Magnesium

### Micro Minerals

- Iron
- Copper
- Manganese
- Zinc
- Cobalt
- Iodine
- Selenium
- Fluorine

### Vitamins

- Vitamin A (referred to as Retinol) includes Retinol and the Retinol equivalents of β-carotene.
- Vitamin A activity: 1 µg Retinol = 1 µg β-carotene = 1.6 IU Vitamin A activity.
- Vitamin A includes all forms of α-, β-, γ- and δ-Tocopherols.
- 1 IU Vitamin A = 0.3 µg Retinol = 0.6 µg β-carotene.
- The standard analysis for Vitamin A does not detect β-carotene.
- Atwater Fuel Energy (AFE) includes all forms of α-, β-, γ- and δ-Tocopherols.
- 1 µg all-Rc-α-tocopherol acetate = 1.1 IU Vitamin A activity.
- 1 IU Vitamin A = 0.3 µg Retinol = 0.6 µg β-carotene.
- 1 MJ = 239.23 Kcalories = 239.23 Calories = 239,230 calories.
- 1 MJ = 239.23 Kcalories = 239.23 Calories = 239,230 calories.
- 1 MJ = 239.23 Kcalories = 239.23 Calories = 239,230 calories.

### Fatty Acids

- Saturated Fatty Acids
- Monounsaturated Fatty Acids
- Polyunsaturated Fatty Acids

### Carbohydrates, Fibre and Non Starch Polysaccharides (NSP)

- Total Dietary Fibre
- Pectin
- Hemicellulose
- Cellulose
- Lignin
- Starch
- Sugar

### Energy

- Gross Energy
- Digestible Energy (15)
- Metabolisable Energy (15)
- Atwater Fuel Energy (AFE) (8)
- AFE from Oil
- AFE from Protein
- AFE from Carbohydrate

### Amino Acids

- Arginine
- Lysine (6)
- Methionine
- Cystine
- Tryptophan
- Histidine
- Threonine
- Isoleucine
- Leucine
- Phenylalanine
- Valine
- Tyrosine
- Taurine
- Glycine
- Aspartic Acid

### Inositol

<table>
<thead>
<tr>
<th>Inositol</th>
<th>mg/kg 2366.38</th>
</tr>
</thead>
</table>

### Biotin (Vitamin H) (6)

<table>
<thead>
<tr>
<th>Biotin (Vitamin H) (6)</th>
<th>µg/kg 753.39</th>
</tr>
</thead>
</table>

### Taurine

| Taurine | % 1.11 |

### Tyrosine

| Tyrosine | % 0.49 |

### Threonine

| Threonine | % 0.49 |

### Histidine

| Histidine | % 0.35 |

### Arginine

| Arginine | % 0.91 |

### Lysine (6)

| Lysine (6) | % 0.66 |

### Methionine

| Methionine | % 0.22 |

### Cystine

| Cystine | % 0.24 |

### Tryptophan

| Tryptophan | % 0.18 |

### Linein

| Linein | % 0.98 |

### Phenylalanine

| Phenylalanine | % 0.66 |

### Valine

| Valine | % 0.69 |

### Tyrosine

| Tyrosine | % 0.49 |

### Taurine

| Taurine | % 1.11 |

### Glucose

| Glucose | % 0.67 |