## Suppamental Table 1 Composition of the food supplied to the cats during the weight loss and weight maintenance phases (MAIN).

<table>
<thead>
<tr>
<th>Diet ingredient composition (%)</th>
<th>Control diet</th>
<th>High-protein diet</th>
<th>Low-energy diet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maize gluten</td>
<td>4.63</td>
<td>19.6</td>
<td>-</td>
</tr>
<tr>
<td>Poultry by-product meal</td>
<td>11.3</td>
<td>7.73</td>
<td>-</td>
</tr>
<tr>
<td>Spray-dried cooked liver</td>
<td>7.00</td>
<td>9.00</td>
<td>-</td>
</tr>
<tr>
<td>Powdered cellulose</td>
<td>7.00</td>
<td>7.00</td>
<td>-</td>
</tr>
<tr>
<td>Brewers rice</td>
<td>30.2</td>
<td>18.91</td>
<td>-</td>
</tr>
<tr>
<td>Powdered egg albumin</td>
<td>5.00</td>
<td>7.00</td>
<td>-</td>
</tr>
<tr>
<td>Lentils</td>
<td>10.0</td>
<td>7.00</td>
<td>-</td>
</tr>
<tr>
<td>Soybean hulls</td>
<td>5.08</td>
<td>7.50</td>
<td>-</td>
</tr>
<tr>
<td>Fish meal</td>
<td>3.50</td>
<td>4.00</td>
<td>-</td>
</tr>
<tr>
<td>Sorghum grain flour</td>
<td>4.00</td>
<td>4.00</td>
<td>-</td>
</tr>
<tr>
<td>Poultry fat</td>
<td>3.80</td>
<td>2.40</td>
<td>-</td>
</tr>
<tr>
<td>Brewer’s yeast</td>
<td>2.00</td>
<td>2.50</td>
<td>-</td>
</tr>
<tr>
<td>Powdered egg</td>
<td>2.00</td>
<td>2.00</td>
<td>-</td>
</tr>
<tr>
<td>Dicalcium phosphate</td>
<td>1.89</td>
<td>0.55</td>
<td>-</td>
</tr>
<tr>
<td>Fish oil</td>
<td>0.50</td>
<td>0.50</td>
<td>-</td>
</tr>
<tr>
<td>Mineral and vitamin supplement*</td>
<td>0.50</td>
<td>0.50</td>
<td>-</td>
</tr>
<tr>
<td>Sodium chloride</td>
<td>0.40</td>
<td>0.40</td>
<td>-</td>
</tr>
<tr>
<td>Potassium chloride</td>
<td>0.40</td>
<td>0.40</td>
<td>-</td>
</tr>
<tr>
<td>Fructoligosaccharide</td>
<td>0.30</td>
<td>0.30</td>
<td>-</td>
</tr>
<tr>
<td>Choline chloride</td>
<td>0.20</td>
<td>0.20</td>
<td>-</td>
</tr>
<tr>
<td>Taurine</td>
<td>0.20</td>
<td>0.20</td>
<td>-</td>
</tr>
<tr>
<td>DL-methionine</td>
<td>0.03</td>
<td>0.08</td>
<td>-</td>
</tr>
<tr>
<td>Antioxidant</td>
<td>0.03</td>
<td>0.03</td>
<td>-</td>
</tr>
</tbody>
</table>

**Nutritional composition (g per MJ of metabolizable energy)**

<table>
<thead>
<tr>
<th></th>
<th>Control diet</th>
<th>High-protein diet</th>
<th>Low-energy diet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Crude protein</td>
<td>21.4</td>
<td>28.4</td>
<td>28.0</td>
</tr>
<tr>
<td>Digestible protein³</td>
<td>18.5</td>
<td>24.9</td>
<td>22.6</td>
</tr>
<tr>
<td>Acid-hydrolyzed fat</td>
<td>6.50</td>
<td>6.39</td>
<td>6.08</td>
</tr>
<tr>
<td>Total dietary fiber</td>
<td>9.66</td>
<td>9.71</td>
<td>6.8</td>
</tr>
<tr>
<td>Starch</td>
<td>28.3</td>
<td>16.1</td>
<td>20.6</td>
</tr>
<tr>
<td>Ash</td>
<td>5.19</td>
<td>4.64</td>
<td>26.5</td>
</tr>
<tr>
<td>Calcium</td>
<td>1.03</td>
<td>0.93</td>
<td>0.86</td>
</tr>
<tr>
<td>Phosphorus</td>
<td>0.81</td>
<td>0.74</td>
<td>0.57</td>
</tr>
<tr>
<td>Metabolizable energy (MJ • kg⁻¹ DM)</td>
<td>13.4 ± 0.25</td>
<td>15.0 ± 0.17</td>
<td>14.6 ± 0.16</td>
</tr>
</tbody>
</table>

¹- results of control diet and high-protein diet refers to the mean values of food analysis of both digestibility trials (before and after weight loss).

²- calculated with the results of the *in vivo* metabolizable energy assay.

³- the determined *in vivo* apparent protein digestibility coefficients were 86.4% for the control diet, 87.7% for the high-protein diet, and 80.8% for the commercial **low-energy** diet.

* Provided per kilogram of Control and High Protein diets: retinyl acetate, 8.6 mg; cholecalciferol, 35 µg; d,L-α-tocopheryl acetate, 400 mg; menadione, 3 mg; thiamin, 18 mg; riboflavin, 19 mg; pyridoxine, 18 mg; vitamin B-12, 60 µg; nicotinic acid, 85 mg; calcium pantothenate, 35 mg; folic acid, 1.3 mg; biotin, 0.32 mg; ascorbic acid, 80 mg; l-carnitine, 300 mg; iron, 120 mg; copper, 20 mg; manganese, 20 mg; zinc, 100 mg; cobalt, 0.7 mg; iodine, 1.5 mg; selenium, 0.20 mg.

GUABI Natural Light, Mogiana Alimentos S.A., Campinas, Brazil. Ingredient composition: Poultry meat, poultry by-product meal, rice bran, beet pulp, dicalcium phosphate, poultry fat, fish oil, potassium chloride, sodium hexametaphosphate, sodium chloride, canola oil, citric acid, choline chloride, mannan-oligosaccharides, taurine, zinc proteinate, d,L-α-tocopheryl acetate, l-carnitine, iron sulfate, vitamin B-12, manganese sulfate, nicotinic acid, calcium pantothenate, thiamin, retinyl acetate, potassium iodate, riboflavin, pyridoxine, cholecalciferol. Provided per kilogram of diet: retinyl acetate, 7.56 mg; cholecalciferol,
55 mg; d,l-α-tocopheryl acetate, 90 mg; menadione, 0.4 mg; thiamin, 10 mg; riboflavin, 7 mg; pyridoxine, 18 mg; nicotinic acid, 14 mg; calcium pantothenate, 12 mg; folic acid, 2 mg; vitamin B-12, 22 μg; biotin, 0.80 mg; myoinositol, 670 mg; ascorbic acid, 80 mg; l-carnitine, 300 mg; iron, 80 mg; copper, 7.5 mg; manganese, 6 mg; zinc, 140 mg; iodine, 1.5 mg; selenium, 0.20 mg.