**Product Data - D12331**

**Description**
58 kcal% fat w/sucrose
Surwit Diet

**Used in Research**
Obesity
Diabetes

**Packaging**
Product is packed in 12.5 kg box.
Each box is identified with the product name, description, lot number and expiration date.

**Lead Time**
D12331 IN-STOCK.
Ready for next day shipment.

**Gamma-Irradiation**
D12331i available on request.
Add 10 days to delivery time.

**Form**
Pellet, Powder

**Shelf Life**
Most diets require storage in a cool dry environment. Stored correctly they should last 6 months. Because of the high fat content is best if kept frozen.

**Control Diets**
D12329

**Special Considerations**
Contains no fiber.
High in sodium.

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## Formula

<table>
<thead>
<tr>
<th>Product #D12331</th>
<th>gm%</th>
<th>kcal%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Protein</td>
<td>23.0</td>
<td>16.4</td>
</tr>
<tr>
<td>Carbohydrate</td>
<td>35.5</td>
<td>25.5</td>
</tr>
<tr>
<td>Fat</td>
<td>35.8</td>
<td>58.0</td>
</tr>
<tr>
<td><strong>Total kcal/gm</strong></td>
<td>5.56</td>
<td>100</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>gm</th>
<th>kcal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Casein, 30 Mesh</td>
<td>228</td>
<td>912</td>
</tr>
<tr>
<td>DL-Methionine</td>
<td>2</td>
<td>0</td>
</tr>
<tr>
<td>Maltodextrin 10</td>
<td>170</td>
<td>680</td>
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<tr>
<td>Corn Starch</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Sucrose</td>
<td>175</td>
<td>700</td>
</tr>
<tr>
<td>Soybean Oil</td>
<td>25</td>
<td>225</td>
</tr>
<tr>
<td>Coconut Oil, Hydrogenated</td>
<td>333.5</td>
<td>3001.5</td>
</tr>
<tr>
<td>Mineral Mix S10001</td>
<td>40</td>
<td>0</td>
</tr>
<tr>
<td>Sodium Bicarbonate</td>
<td>10.5</td>
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<tr>
<td>Potassium Citrate, 1 H2O</td>
<td>4</td>
<td>0</td>
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<tr>
<td>Vitamin Mix V10001</td>
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<td>40</td>
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<tr>
<td>Choline Bitartrate</td>
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<tr>
<td>FD&amp;C Red Dye #4</td>
<td>0.1</td>
<td>0</td>
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<tr>
<td><strong>Total</strong></td>
<td>1000.1</td>
<td>5558.5</td>
</tr>
</tbody>
</table>

Professor Richard Surwit designed these diets with us for his diet-induced obesity studies at Duke University. 
References - D12331