



## Diet SF10-053

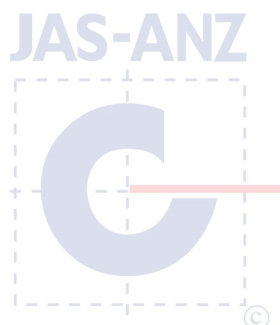
## 69% Fat Ketogenic Rodent Diet

A very high fat very low carbohydrate semi-pure diet formulation for laboratory rats and mice equivalent to *Harlan Teklad Diet TD.96355* some modifications have been made to suit locally available raw materials.

- Total fat content has been increased to 69% fat. Using generally recognised energy data this would equate to a diet where 89% of total energy is from lipids.
- The fats included to make up the total fat content have been chosen to maximise diet palatability whilst retaining a good spread of fatty acids.
- We would recommend that this diet be transported and stored at less than 15°C. At higher temperatures the diet softens considerably.
- Calculated digestible energy has increased as a result of the increased fat inclusion.
- Vitamin and mineral inclusion rate has been increased.

Calculated Nutritional Parameters	
Protein	16.00%
Total Fat	69.00%
Crude Fibre	8.20%
AD Fibre	8.20%
Total Digestible Carbohydrate as defined by FSA NZ Standard 1.2.8	1.20%
Digestible Energy	28.8 MJ / Kg
% Total calculated digestible energy from lipids	89.00%
% Total calculated digestible energy from protein	10.00%

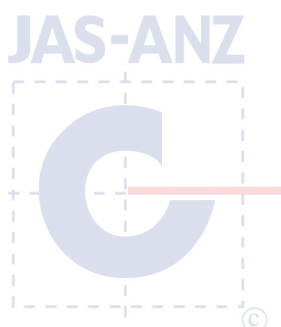
Diet Form and Features
<ul style="list-style-type: none"> <li>• Semi pure diet. 15mm x 20mm block to mimic similar size of pellet.</li> <li>• Packed in plastic trays. Trays packed in groups of five (5). with layer of glad wrap between each to protect diet.</li> <li>• Vacuum packed under nitrogen in oxygen impermeable bags. Packed in cardboard cartons for protection during transit.</li> <li>• Diet must be stored at or below 15°C</li> <li>• Diet not suitable for irradiation or autoclave</li> <li>• Lead time 2 weeks</li> </ul>



Ingredients	
Casein (Acid)	165 g/Kg
Maize Oil	86.2 g/Kg
Cocoa Butter	21 g/Kg
Hydrogenated Coconut Oil (Cofpa)	586 g/Kg
Cellulose	88 g/Kg
L Methionine	3.0 g/Kg
Calcium Carbonate	8.2 g/Kg
Sodium Chloride	2.6 g/Kg
AIN93 Trace Minerals	1.4 g/Kg
Potassium Dihydrogen Phosphate	0.4 g/Kg
Potassium Sulphate	3.1 g/Kg
Potassium Citrate	2.5 g/Kg
Dicalcium Phosphate	10.9 g/Kg
Magnesium Oxide	0.4 g/Kg
Choline Chloride (75%)	2.5 g/Kg
AIN93 Vitamins	13 g/Kg
Antioxidant (Oxicap E2)	0.13 g/Kg

Calculated Essential Amino Acids as fed	
Valine	1.04%
Leucine	1.42%
Isoleucine	0.78%
Threonine	0.65%
Methionine	0.74%
Cysteine	0.06%
Lysine	1.17%
Phenylalanine	0.77%
Tyrosine	0.82%
Histidine	0.43%
Tryptophan	0.14%

Calculated Total Minerals as Fed	
Calcium	0.55%
Phosphorous	0.34%
Magnesium	0.10%
Sodium	0.13%
Chloride	0.16%
Potassium	0.50%
Sulphur	0.32%
Iron	72 mg/Kg
Copper	7.7 mg/Kg
Iodine	0.2 mg/Kg
Manganese	18 mg/Kg
Cobalt	No data
Zinc	45 mg/Kg
Molybdenum	0.15 mg/Kg
Selenium	0.3 mg/Kg
Cadmium	No data
Chromium	1.0 mg/Kg
Fluoride	1.0 mg/Kg
Lithium	0.1 mg/Kg
Boron	1.2 mg/Kg
Nickel	0.5 mg/Kg
Vanadium	0.1 mg/Kg



Calculated Total Vitamins as Fed	
Vitamin A (Retinol)	5 200 IU/Kg
Vitamin D (Cholecalciferol)	1 300 IU/Kg
Vitamin E (a Tocopherol acetate)	103 mg/Kg
Vitamin K (Menadione)	1.3 mg/Kg
Vitamin C (Ascorbic acid)	None added
Vitamin B1 (Thiamine)	7.9 mg/Kg
Vitamin B2 (Riboflavin)	8.0 mg/Kg
Niacin (Nicotinic acid)	39 mg/Kg
Vitamin B6 (Pryridoxine)	9 mg/Kg
Pantothenic Acid	21 mg/Kg
Biotin	260 ug/Kg
Folic Acid	2.6 mg/Kg
Inositol	None added
Vitamin B12 (Cyancobalamin)	132 ug/Kg
Choline	1 460 mg/Kg

Calculated Fatty Acid Composition as fed	
Saturated Fat C6:0	0.29%
Saturated Fat C8:0	3.87%
Saturated Fat C10:0	3.34%
Saturated Fats C12:0	26.93%
Myristic Acid 14:0	10.56%
Palmitic Acid 16:0	7.15%
Stearic Acid 18:0	8.16%
Arachidic Acid 20:0	0.20%
Palmitoleic Acid 16:1	Trace
Oleic Acid 18:1	2.99%
Gadoleic Acid 20:1	Trace
Linoleic Acid 18:2 n6	5.36%
a Linolenic Acid 18:3 n3	0.07%
Arachadonic Acid 20:4 n6	No data
EPA 20:5 n3	No data
DHA 22:6 n3	No data
Total n3	0.07%
Total n6	5.36%
Total Mono Unsaturated Fats	2.99%
Total Polyunsaturated Fats	5.43%
Total Saturated Fats	60.51%
(Total Mid Chain Saturated Fats)	34.14%

Calculated data uses information from typical raw material composition. It could be expected that individual batches of diet will vary from this figure. **Diet post treatment by irradiation or auto clave could change these parameters.**

We are happy to provide full calculated nutritional information for all of our products, however we would like to emphasise that these diets have been specifically designed for manufacture by Specialty Feeds.

