



## Diet SF11-099

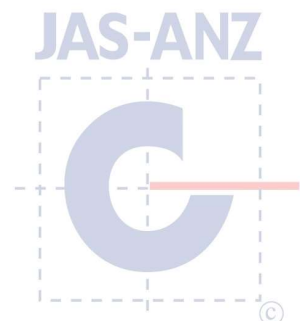
## 73% Fat Modification of AIN93G Ketogenic Diet

A very high fat low carbohydrate semi-pure diet formulation for laboratory rats and mice based on AIN-93G.

- Total fat content has been increased to 73% fat. Using generally recognised energy data this would equate to a diet where 92% 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. All known fatty acid requirements have been met or exceeded.
- 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.
- Protein has been included as per customer specifications.
- Vitamin and mineral inclusion rate has been increased as per customer specifications.

Calculated Nutritional Parameters	
Protein	11.60%
Total Fat	72.70%
Crude Fibre	6.20%
AD Fibre	6.20%
Total Carbohydrate	6.20%
Net Metabolisable Energy	28.5 MJ / Kg
Digestible Energy	29.6 MJ / Kg
% Total calculated digestible energy from lipids	91.30%
% Total calculated digestible energy from protein	7.20%

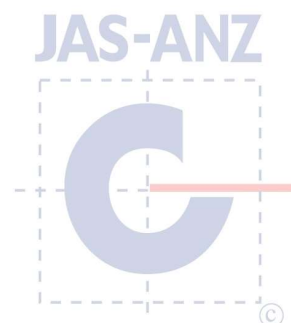
Diet Form and Features
<ul style="list-style-type: none"> <li>• Semi pure diet. 15mm x 20mm block to mimic similar size of pellet.</li> <li>• Packed in plastic trays. Trays packed in groups of five (5). with layer of glad wrap between each to protect diet.</li> <li>• Vacuum packed under nitrogen in oxygen 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)	120 g/Kg
Canola Oil	100 g/Kg
Cocoa Butter	481 g/Kg
Hydrogenated Vegetable Oil (Cofa)	150 g/Kg
Cellulose	66 g/Kg
L Methionine	5.7 g/Kg
Calcium Carbonate	24.9 g/Kg
Sodium Chloride	4.9 g/Kg
AIN93 Trace Minerals	2.6 g/Kg
Potassium Dihydrogen Phosphate	13 g/Kg
Potassium Sulphate	3 g/Kg
Potassium Citrate	4.7 g/Kg
Choline Chloride (75%)	4.7 g/Kg
Modified AIN93 Vitamins No Sucrose	19 g/Kg
Antioxidant (Oxicap E2)	0.07 g/Kg

Calculated Amino Acids	
Valine	0.76%
Leucine	1.08%
Isoleucine	0.52%
Threonine	0.48%
Methionine	0.88%
Cysteine	0.04%
Lysine	0.89%
Phenylalanine	0.59%
Tyrosine	0.63%
Histidine	0.36%
Tryptophan	0.16%

Calculated Total Minerals	
Calcium	0.85%
Phosphorous	0.39%
Magnesium	0.14%
Sodium	0.21%
Chloride	0.30%
Potassium	0.70%
Sulphur	0.25%
Iron	123 mg/Kg
Copper	12 mg/Kg
Iodine	0.4 mg/Kg
Manganese	28 mg/Kg
Cobalt	No data
Zinc	75 mg/Kg
Molybdenum	0.3 mg/Kg
Selenium	0.5 mg/Kg
Cadmium	No data
Chromium	1.9 mg/Kg
Fluoride	1.9 mg/Kg
Lithium	0.2 mg/Kg
Boron	1.4 mg/Kg
Nickel	0.9 mg/Kg
Vanadium	0.2 mg/Kg



Calculated Total Vitamins	
Vitamin A (Retinol)	7 600 IU/Kg
Vitamin D (Cholecalciferol)	1 900 IU/Kg
Vitamin E (a Tocopherol acetate)	170 mg/Kg
Vitamin K (Menadione)	2 mg/Kg
Vitamin C (Ascorbic acid)	None added
Vitamin B1 (Thiamine)	11 mg/Kg
Vitamin B2 (Riboflavin)	11 mg/Kg
Niacin (Nicotinic acid)	57 mg/Kg
Vitamin B6 (Pryridoxine)	13 mg/Kg
Pantothenic Acid	31 mg/Kg
Biotin	380 ug/Kg
Folic Acid	4 mg/Kg
Inositol	None added
Vitamin B12 (Cyancobalamin)	192 ug/Kg
Choline	2 680 mg/Kg

Calculated Fatty Acid Composition	
Saturated Fats C12:0 or less	7.97%
Myristic Acid 14:0	2.16%
Palmitic Acid 16:0	14.50%
Stearic Acid 18:0	18.80%
Arachidic Acid 20:0	0.65%
Palmitoleic Acid 16:1	0.21%
Oleic Acid 18:1	22.66%
Gadoleic Acid 20:1	0.15%
Linoleic Acid 18:2 n6	4.03%
a Linolenic Acid 18:3 n3	1.55%
Arachadonic Acid 20:4 n6	No data
EPA 20:5 n3	No data
DHA 22:6 n3	No data
Total n3	1.55%
Total n6	4.03%
Total Mono Unsaturated Fats	23.07%
Total Polyunsaturated Fats	5.59%
Total Saturated Fats	44.39%

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.

