



Diet SF10-052

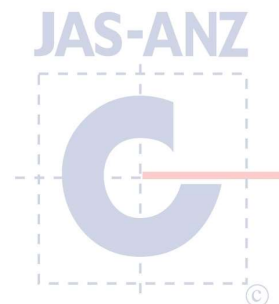
78.8% Fat Modification of AIN93G Ketogenic Diet

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 78.8% fat. Using generally recognised energy data this would equate to a diet where 94% 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.
- Dietary carbohydrate content is from sucrose and cellulose. Total carbohydrate content from sugar has been reduced to 1.72%.
- Vitamin and mineral inclusion rate has been increased.

Calculated Nutritional Parameters	
Protein	8.36%
Total Fat	78.80%
Crude Fibre	4.70%
AD Fibre	4.70%
Total Carbohydrate	6.40%
Digestible Energy	30.9 MJ / Kg
% Total calculated digestible energy from lipids	93.20%
% Total calculated digestible energy from protein	4.90%

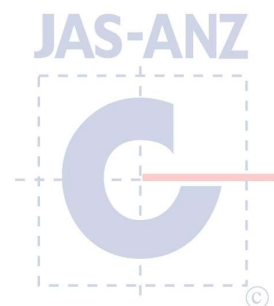
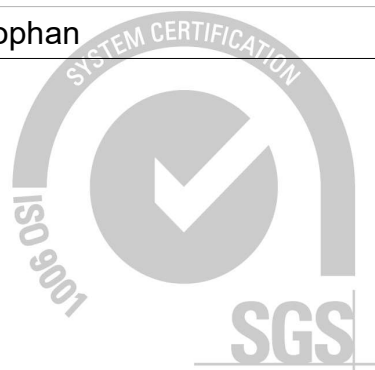
- | Diet Form and Features |
|--|
| <ul style="list-style-type: none"> • Semi pure diet. 15mm x 20mm block to mimic similar size of pellet. • Packed in plastic trays. Trays packed in groups of five (5). with layer of glad wrap between each to protect diet. • Vacuum packed under nitrogen in oxygen impermeable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



Ingredients	
Casein (Acid)	86 g/Kg
Sucrose	17 g/Kg
Canola Oil	100 g/Kg
Cocoa Butter	542 g/Kg
Hydrogenated Vegetable Oil (Cofpa)	150 g/Kg
Cellulose	50 g/Kg
L Methionine	3.9 g/Kg
Calcium Carbonate	14.6 g/Kg
Sodium Chloride	3.4 g/Kg
AIN93 Trace Minerals	1.8 g/Kg
Potassium Dihydrogen Phosphate	8.1 g/Kg
Potassium Sulphate	3.1 g/Kg
Potassium Citrate	2.5 g/Kg
Choline Chloride (75%)	3.2 g/Kg
AIN93 Vitamins	13 g/Kg
Antioxidant (Oxicap E2)	0.05 g/Kg

Calculated Essential Amino Acids as Fed	
Valine	0.54%
Leucine	0.78%
Isoleucine	0.38%
Threonine	0.34%
Methionine	0.62%
Cysteine	0.02%
Lysine	0.64%
Phenylalanine	0.43%
Tyrosine	0.44%
Histidine	0.26%
Tryptophan	0.12%

Calculated Total Minerals as Fed	
Calcium	0.50%
Phosphorous	0.25%
Magnesium	0.09%
Sodium	0.15%
Chloride	0.20%
Potassium	0.48%
Sulphur	0.20%
Iron	85 mg/Kg
Copper	8.3 mg/Kg
Iodine	0.3 mg/Kg
Manganese	19 mg/Kg
Cobalt	No data
Zinc	53 mg/Kg
Molybdenum	0.19 mg/Kg
Selenium	0.3 mg/Kg
Cadmium	No data
Chromium	1.3 mg/Kg
Fluoride	1.3 mg/Kg
Lithium	0.1 mg/Kg
Boron	1.0 mg/Kg
Nickel	0.6 mg/Kg
Vanadium	0.1 mg/Kg



Calculated Total Vitamins		Calculated Fatty Acid Composition	
Vitamin A (Retinol)	5 200 IU/Kg	Saturated Fats C12:0 or less	7.99%
Vitamin D (Cholecalciferol)	1 300 IU/Kg	Myristic Acid 14:0	2.18%
Vitamin E (a Tocopherol acetate)	127 mg/Kg	Palmitic Acid 16:0	16.02%
Vitamin K (Menadione)	1.3 mg/Kg	Stearic Acid 18:0	21.00%
Vitamin C (Ascorbic acid)	None added	Arachidic Acid 20:0	0.72%
Vitamin B1 (Thiamine)	7.8 mg/Kg	Palmitoleic Acid 16:1	0.23%
Vitamin B2 (Riboflavin)	7.9 mg/Kg	Oleic Acid 18:1	24.65%
Niacin (Nicotinic acid)	39 mg/Kg	Gadoleic Acid 20:1	0.15%
Vitamin B6 (Pryridoxine)	9 mg/Kg	Linoleic Acid 18:2 n6	4.23%
Pantothenic Acid	21 mg/Kg	a Linolenic Acid 18:3 n3	1.57%
Biotin	260 ug/Kg	Arachadonic Acid 20:4 n6	No data
Folic Acid	2.6 mg/Kg	EPA 20:5 n3	No data
Inositol	None added	DHA 22:6 n3	No data
Vitamin B12 (Cyancobalamin)	131 ug/Kg	Total n3	1.57%
Choline	1 850 mg/Kg	Total n6	4.23%
		Total Mono Unsaturated Fats	25.08%
		Total Polyunsaturated Fats	5.80%
		Total Saturated Fats	48.29%
		(Total Mid Chain Saturated Fats)	40.30%

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.

