



Diet SF06-106

36% Lard Modification of AIN93G

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

- Total fat content has been increased to 36% fat. Using generally recognised energy data this would equate to a diet where 59% of total energy is from lipids.
- 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 only. All starch has been removed from the diet. This has been done primarily to improve pellet/cube strength but may also have some physiological implications.

Calculated Nutritional Parameters	
Protein	19.40%
Total Fat	36.00%
Crude Fibre	4.70%
AD Fibre	4.70%
Digestible Energy	22.5 MJ / Kg
% Total calculated digestible energy from lipids	59.00%
% Total calculated digestible energy from protein	15.00%

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)	200 g/Kg
Sucrose	346 g/Kg
Lard	360 g/Kg
Cellulose	50 g/Kg
DL Methionine	3.0 g/Kg
Calcium Carbonate	13.1 g/Kg
Sodium Chloride	2.6 g/Kg
AIN93 Trace Minerals	1.4 g/Kg
Potassium Citrate	2.5 g/Kg
Potassium Dihydrogen Phosphate	6.9 g/Kg
Potassium Sulphate	1.6 g/Kg
Choline Chloride (75%)	2.5 g/Kg
AIN93 Vitamins	10 g/Kg

Calculated Amino Acids	
Valine	1.30%
Leucine	1.80%
Isoleucine	0.90%
Threonine	0.80%
Methionine	0.80%
Cysteine	0.06%
Lysine	1.50%
Phenylalanine	1.00%
Tyrosine	1.00%
Tryptophan	0.30%
Histidine	0.60%

Calculated Total Minerals	
Calcium	0.46%
Phosphorous	0.32%
Magnesium	0.09%
Sodium	0.12%
Chloride	0.16%
Potassium	0.40%
Sulphur	0.20%
Iron	72 mg/Kg
Copper	7.0 mg/Kg
Iodine	0.2 mg/Kg
Manganese	18 mg/Kg
Cobalt	No data
Zinc	51 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	2.1 mg/Kg
Nickel	0.5 mg/Kg
Vanadium	0.1 mg/Kg

Calculated Total Vitamins	
Vitamin A (Retinol)	4 000 IU/Kg
Vitamin D (Cholecalciferol)	1 000 IU/Kg
Vitamin E (a Tocopherol acetate)	75 mg/Kg
Vitamin K (Menadione)	1 mg/Kg
Vitamin C (Ascorbic acid)	None added
Vitamin B1 (Thiamine)	6.1 mg/Kg
Vitamin B2 (Riboflavin)	6.3 mg/Kg
Niacin (Nicotinic acid)	30 mg/Kg
Vitamin B6 (Pryridoxine)	7 mg/Kg
Pantothenic Acid	16.5 mg/Kg
Biotin	200 ug/Kg
Folic Acid	2 mg/Kg
Inositol	None added
Vitamin B12 (Cyanocobalamin)	103 ug/Kg
Choline	1670 mg/Kg

Calculated Fatty Acid Composition	
Saturated Fats C12:0 or less	0.11%
Myristic Acid 14:0	0.54%
Palmitic Acid 16:0	9.54%
Stearic Acid 18:0	6.20%
Arachidic Acid 20:0	0.09%
Palmitoleic Acid 16:1	0.62%
Oleic Acid 18:1	12.17%
Gadoleic Acid 20:1	0.26%
Linoleic Acid 18:2 n6	5.18%
a Linolenic Acid 18:3 n3	0.50%
Total n3	0.56%
Total n6	5.22%
Total Mono Unsaturated Fats	13.17%
Total Polyunsaturated Fats	5.79%
Total Saturated Fats	16.74%

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.