



**Diet
SF08-043**

Modified AIN93G Semi-Pure Rodent Diet 45% Calculated Energy From Ghee, 1.25% Cholesterol

A semi-pure high fat diet formulation for laboratory rats and mice.

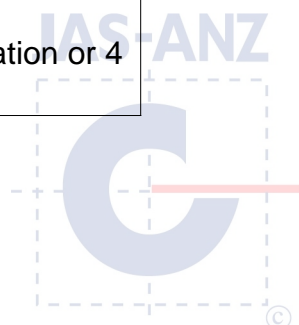
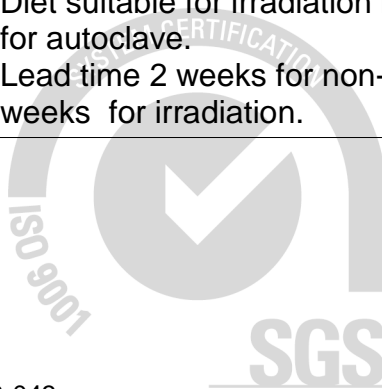
- 45% Total Calculated Digestible Energy From Ghee
- 1.25% cholesterol
- High Linoleic Safflower Oil has been added to meet n6 requirements
- Sodium Caseinate and Dextrose has replaced Casein and Sucrose to improve pellet quality

Calculated Nutritional Parameters	
Protein	18.80%
Total Fat	24.50%
Crude Fibre	4.70%
AD Fibre	4.70%
Digestible Energy	20.5 MJ / Kg
% Total calculated digestible energy from lipids	45.00%
% Total calculated digestible energy from protein	20.00%

Ingredients	
Sodium Caseinate	200 g/Kg
Dextrose	300 g/Kg
Clarified Butter (Ghee)	238 g/Kg
Safflower Oil (High Linoleic)	7.5 g/Kg
Cellulose	50 g/Kg
Wheat Starch	150 g/Kg
DL Methionine	3.0 g/Kg
Calcium Carbonate	13.1 g/Kg
Sodium Chloride	1.3 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
Cholesterol	12.5 g/Kg

Diet Form and Features

- Semi pure high fat diet. 12 mm diameter pellets.
- Pack size 1.5 Kg trays, vacuum packed in oxygen impermeable plastic bags, under nitrogen. Bags are packed into cardboard cartons to protect them during transit. Smaller pack quantity on request.
- Diet suitable for irradiation but not suitable for autoclave.
- Lead time 2 weeks for non-irradiation or 4 weeks for irradiation.



Calculated Amino Acids	
Valine	1.30%
Leucine	1.80%
Isoleucine	0.90%
Threonine	0.80%
Methionine	0.80%
Cystine	0.05%
Lysine	1.50%
Phenylalanine	1.00%
Tyrosine	1.00%
Tryptophan	0.30%
Histidine	0.60%

Calculated Total Minerals	
Calcium	0.46%
Phosphorous	0.30%
Magnesium	0.09%
Sodium	0.30%
Chloride	0.10%
Potassium	0.40%
Sulphur	0.23%
Iron	85 mg/Kg
Copper	6.5 mg/Kg
Iodine	0.2 mg/Kg
Manganese	17 mg/Kg
Cobalt	No data
Zinc	30 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	2.3 mg/Kg
Nickel	0.5 mg/Kg
Vanadium	0.1 mg/Kg

Calculated Total Vitamins	
Vitamin A (Retinol)	5 800 IU/Kg
Vitamin D (Cholecalciferol)	1 000 IU/Kg
Vitamin E (a Tocopherol acetate)	75mg/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	1 670 mg/Kg

Calculated Fatty Acid Composition	
Saturated Fats C12:0 or less	2.10%
Myristic Acid 14:0	2.90%
Palmitic Acid 16:0	8.00%
Stearic Acid 18:0	2.70%
Palmitoleic Acid 16:1	0.40%
Oleic Acid 18:1	6.30%
Gadoleic Acid 20:1	Trace
Linoleic Acid 18:2 n6	1.00%
a Linolenic Acid 18:3 n3	0.20%
Stearidonic Acid 18:4 n3	0.20%
Arachadonic Acid 20:4 n6	Trace
Total Saturated Fat	16.00%
Total Monounsaturated Fat	7.20%
Total Polyunsaturated Fat	1.40%
Total n3	0.41%
Total n6	1.00%
Cholesterol	1.25%

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.