



## Diet SF00-252 50% Protein Modification of AIN93G Rodent Diet

A high protein diet based on AIN93G.

- Protein concentration has been increased from 20% to 52%.
- As a result of the increased protein, the calculated energy has increased by around 16% from 16.1 MJ/Kg to 18.2 MJ/Kg.
- No other changes were made to the standard semi-pure diet. See AIN93G Data sheet for further information.

Calculated Nutritional Parameters	
Protein	52.00%
Total Fat	7.00%
Crude Fibre	4.70%
AD Fibre	4.70%
Digestible Energy	18.2 MJ / Kg
% Total calculated digestible energy from lipids	16.00%
% Total calculated digestible energy from protein	55.00%

Ingredients	
Casein (Acid)	540 g/Kg
Sucrose	100 g/Kg
Canola Oil	70 g/Kg
Cellulose	50 g/Kg
Wheat Starch	66 g/Kg
Dextrinised Starch	132 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

### Diet Form and Features

- Semi pure diet. 12 mm diameter pellets.
- Pack size 5 Kg, 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	3.40%
Leucine	4.90%
Isoleucine	2.40%
Threonine	2.10%
Methionine	1.60%
Cystine	0.15%
Lysine	4.00%
Phenylalanine	2.70%
Tyrosine	2.80%
Tryptophan	0.70%

Calculated Total Minerals	
Calcium	0.49%
Phosphorous	0.60%
Magnesium	0.09%
Sodium	0.14%
Chloride	0.16%
Potassium	0.40%
Sulphur	0.3.8%
Iron	73 mg/Kg
Copper	7.6 mg/Kg
Iodine	0.2 mg/Kg
Manganese	19 mg/Kg
Cobalt	No data
Zinc	69 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	5.6 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)	78 mg/Kg
Vitamin K (Menadione)	1 mg/Kg
Vitamin C (Ascorbic acid)	None added
Vitamin B1 (Thiamine)	6.2 mg/Kg
Vitamin B2 (Riboflavin)	6.8 mg/Kg
Niacin (Nicotinic acid)	31 mg/Kg
Vitamin B6 (Pryridoxine)	7.6 mg/Kg
Pantothenic Acid	17.4 mg/Kg
Biotin	200 ug/Kg
Folic Acid	2.1 mg/Kg
Inositol	None added
Vitamin B12 (Cyanocobalamin)	107 ug/Kg
Choline	1770 mg/Kg

Calculated Fatty Acid Composition	
Myristic Acid 14:0	Trace
Palmitic Acid 16:0	0.30%
Stearic Acid 18:0	0.10%
Palmitoleic Acid 16:1	Trace
Oleic Acid 18:1	3.90%
Gadoleic Acid 20:1	Trace
Linoleic Acid 18:2 n6	1.50%
a Linolenic Acid 18:3 n3	0.98%
Arachadonic Acid 20:4 n6	No data
EPA 20:5 n3	No data
DHA 22:6 n3	No data
Total n3	0.98%
Total n6	1.51%
Total Mono Unsaturated Fats	3.98%
Total Polyunsaturated Fats	2.50%
Total Saturated Fats	0.50%

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.