Specialty Feeds

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Diet
SF01-028

23% Fat Semi-Pure Rodent Diet
43% of Energy From Fat

A high fat semi-pure modification of AIN93G.

- Fat content has been increased from around 7% in AIN93G to 23%.
- Calculated energy has increased by around 24% over the base diet. 40% of the total calculated energy is from lipids.
- The triglyceride profile has an increased proportion of saturated and mono-unsaturated fatty acids over the standard diet.
- Other nutritional parameters have remained unchanged.
- The high fat content has resulted in a significant reduction in pellet hardness. The pellets must be handled with great care to avoid breakage.

Calculated Nutritional Parameters

Protein	19.00%
Total Fat	22.60%
Crude Fibre	4.70%
AD Fibre	4.70%
Digestible Energy	19.9 MJ / Kg
% Total calculated digestible energy from lipids	43.00%
% Total calculated digestible energy from protein	17.00%

Diet Form and Features

- Semi pure 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.

Ingredients

Casein (Acid)	200 g/Kg
Sucrose	388 g/Kg
Canola Oil	48 g/Kg
Cocoa Butter	180 g/Kg
Cellulose	50 g/Kg
Wheat Starch	90 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	1.10%
Leucine	1.70%
Isoleucine	1.00%
Threonine	0.70%
Methionine	0.70%
Cystine	0.05%
Lysine	1.50%
Phenylanine	0.90%
Tyrosine	1.00%
Tryptophan	0.10%

Calculated Total Minerals	
Calcium	0.45%
Phosphorous	0.30%
Magnesium	0.09%
Sodium	0.11%
Chloride	0.16%
Potassium	0.40%
Sulphur	0.23%
Iron	70 mg/Kg
Copper	6.8 mg/Kg
Iodine	0.2 mg/Kg
Manganese	18 mg/Kg
Cobalt	No data
Zinc	50 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	3.4 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 (Cyancobalamin)	100 ug/Kg
Choline	1 700 mg/Kg

Calculated Fatty Acid Composition	
Staurated Fats C12:0 and less	0.09%
Myristic Acid 14:0	0.04%
Palmitic Acid 16:0	4.79%
Stearic Acid 18:0	6.55%
Arachidic Acid 20:0	0.21%
Palmitoleic Acid 16:1	0.04%
Oleic Acid 18:1	8.73%
Gadoleic Acid 20:1	0.08%
Linoleic Acid 18:2 n6	1.50%
a Linolenic Acid 18:3 n3	0.55%
Arachadonic Acid 20:4 n6	No data
EPA 20:5 n3	Trace
DHA 22:6 n3	No data
Total n3	0.58%
Total n6	1.50%
Total Mono Unsaturated Fats	8.85%
Total Polyunsaturated Fats	2.09%
Total Saturated Fats	11.80%

Calculated data uses information from typical raw material composition. **Diet post treatment by irradiation or auto clave could change these parameters**. It could be expected that individual batches of diet will vary from this figure. 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.