



Specialty Feeds

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Diet **5% Fat Low N3 Semi-Pure Modification of AIN93M** **SF12-034** **Rodent Diet**

A 5% fat (low n3 fat) semi-pure diet formulation for laboratory rats and mice based on AIN-93M. This formulation satisfies the nutritional requirements for maintenance of rats and mice. Some modifications have been made to the original formulation to suit locally available raw materials.

- Fat content has been increased 5%. This results in an increased energy content over the standard diet.
- Clarified Butter, Maize Oil and Numega Tuna oil has replaced Canola oil.

Calculated Nutritional Parameters

Protein	13.60%
Total Fat	5.00%
Crude Fibre	4.70%
AD Fibre	4.70%
Digestible Energy	16 MJ / Kg
% Total calculated digestible energy from lipids	11.70%
% Total calculated digestible energy from protein	15.10%

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.

Ingredients

Casein (Acid)	140 g/Kg
Sucrose	100 g/Kg
Ghee (Clarified Butter)	19.7 g/Kg
Maize Oil	29.6 g/Kg
Numega Tuna Oil	0.2 g/Kg
Cellulose	50 g/Kg
Wheat Starch	463 g/Kg
Dextrinised Starch	155 g/Kg
DL Methionine	1.8 g/Kg
Calcium Carbonate	13.1 g/Kg
Sodium Chloride	2.6 g/Kg
AIN93 Trace Minerals	1.4 g/Kg
Potassium Citrate	1.0 g/Kg
Potassium Dihydrogen Phosphate	8.8 g/Kg
Potassium Sulphate	1.6 g/Kg
Choline Chloride (75%)	2.5 g/Kg
AIN93 Vitamins	10 g/Kg

Calculated Amino Acids		Calculated Total Vitamins	
Valine	0.88%	Vitamin A (Retinol)	4 150 IU/Kg
Leucine	1.26%	Vitamin D (Cholecalciferol)	1 000 IU/Kg
Isoleucine	0.61%	Vitamin E (a Tocopherol acetate)	76 mg/Kg
Threonine	0.56%	Vitamin K (Menadione)	1 mg/Kg
Methionine	0.56%	Vitamin C (Ascorbic acid)	None added
Cystine	0.04%	Vitamin B1 (Thiamine)	6 mg/Kg
Lysine	1.04%	Vitamin B2 (Riboflavin)	6 mg/Kg
Phenylalanine	0.70%	Niacin (Nicotinic acid)	30 mg/Kg
Tyrosine	0.70%	Vitamin B6 (Pryridoxine)	7 mg/Kg
Tryptophan	0.20%	Pantothenic Acid	16 mg/Kg
Calculated Total Minerals		Biotin	200 ug/Kg
Calcium	0.47%	Folic Acid	2 mg/Kg
Phosphorous	0.35%	Inositol	None added
Magnesium	0.08%	Vitamin B12 (Cyancobalamin)	102 ug/Kg
Sodium	0.15%	Choline	1 450 mg/Kg
Chloride	0.16%	Calculated Fatty Acid Composition	
Potassium	0.40%	Saturated Fat C12:0 and less	0.17%
Sulphur	0.23%	Myristic Acid 14:0	0.24%
Iron	75 mg/Kg	Palmitic Acid 16:0	0.98%
Copper	7.0 mg/Kg	Stearic Acid 18:0	0.27%
Iodine	0.2 mg/Kg	Palmitoleic Acid 16:1	0.04%
Manganese	20 mg/Kg	Oleic Acid 18:1	1.23%
Cobalt	No data	Gadoleic Acid 20:1	Trace
Zinc	50 mg/Kg	Linoleic Acid 18:2 n6	1.75%
Molybdenum	0.15 mg/Kg	a Linolenic Acid 18:3 n3	0.04%
Selenium	0.3 mg/Kg	Arachadonic Acid 20:4 n6	Trace
Cadmium	No data	EPA 20:5 n3	Trace
Chromium	1.0 mg/Kg	DHA 22:6 n3	0.04%
Fluoride	1.0 mg/Kg	Total n3	0.06%
Lithium	0.1 mg/Kg	Total n6	1.76%
Boron	3.4 mg/Kg	Total Mono Unsaturated	1.30%
Nickel	0.5 mg/Kg	Total Polyunsaturated Fats	1.82%
Vanadium	0.1 mg/Kg	Total Saturated Fats	1.69%

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.