



Diet
SF00-240

High n3 Fat, High Vitamin E Rodent Diet Based on AIN93G

A semi-pure diet formulation for laboratory rats and mice based on AIN-93G. Some modifications have been made to the original formulation to suit locally available raw materials.

- The primary fat source has been changed to fish oil leading to increased n3 and polyunsaturated fats.
- High linoleic safflower oil has been used to meet the known fatty acid requirements.
- Vitamin E has been added as *Covi-ox T70*, a natural Vitamin E concentrate. This preparation contains a mixture of tocopherol isomers in addition to tocotrienols.

Calculated Nutritional Parameters	
Protein	19.4%
Total Fat	10.0%
Crude Fibre	4.7%
AD Fibre	4.7%
Digestible Energy	16.9 MJ / Kg
% Total calculated digestible energy from lipids	18.0%
% Total calculated digestible energy from protein	20.0%

Diet Form and Features
<ul style="list-style-type: none"> • 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)	200 g/Kg
Sucrose	100 g/Kg
Safflower Oil (High Linoleic)	15 g/Kg
Fish Oil	85 g/Kg
Cellulose	50 g/Kg
Wheat Starch	374 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
Covi-ox T70 (70% Tocopherols)	0.714 g/Kg

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%

Calculated Total Minerals	
Calcium	0.47%
Phosphorous	0.30%
Magnesium	0.09%
Sodium	0.14%
Chloride	0.16%
Potassium	0.40%
Sulphur	0.23%
Iron	72.5 mg/Kg
Copper	6.8 mg/Kg
Iodine	0.2 mg/Kg
Manganese	234 mg/Kg
Cobalt	No data
Zinc	53 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	2.8 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)	576 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	
Myristic Acid 14:0	0.60%
Palmitic Acid 16:0	0.14%
Stearic Acid 18:0	0.30%
Palmitoleic Acid 16:1	0.70%
Oleic Acid 18:1	0.90%
Gadoleic Acid 20:1	0.20%
Linoleic Acid 18:2 n6	1.30%
a Linolenic Acid 18:3 n3	0.08%
Arachadonic Acid 20:4 n6	0.10%
EPA 20:5 n3	2.3
DHA 22:6 n3	1.7
Total n3	4.16%
Total n6	1.41%
Total Mono Unsaturated Fats	1.87%
Total Polyunsaturated Fats	5.57%
Total Saturated Fats	2.53%

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.