



Diet **Modified AIN93G Rodent Diet 7% Safflower Oil** **SF07-022 (High Linoleic Acid)**

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

- In this modification Canola oil has been replaced with High Linoleic Safflower Oil.

Calculated Nutritional Parameters		Ingredients	
Protein	19.40%	Casein (Acid)	200 g/Kg
Total Fat	7.00%	Sucrose	100 g/Kg
Crude Fibre	4.70%	Safflower Oil	70 g/Kg
AD Fibre	4.70%	Cellulose	50 g/Kg
Digestible Energy	16.3 MJ / Kg	Wheat Starch	404 g/Kg
% Total calculated digestible energy from lipids	16.00%	Dextrinised Starch	132 g/Kg
% Total calculated digestible energy from protein	21.00%	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	
<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. 	

Calculated Amino Acids	
Valine	1.30%
Leucine	1.80%
Isoleucine	0.90%
Threonine	0.80%
Methionine	0.80%
Cystine	0.06%
Lysine	1.50%
Phenylalanine	1.00%
Tyrosine	1.00%
Tryptophan	0.30%

Calculated Total Minerals	
Calcium	0.47%
Phosphorous	0.35%
Magnesium	0.09%
Sodium	0.15%
Chloride	0.16%
Potassium	0.40%
Sulphur	0.23%
Iron	75 mg/Kg
Copper	7.0 mg/Kg
Iodine	0.2 mg/Kg
Manganese	19 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	3.3 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 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
Vitamin B12 (Cyancobalamin)	103 ug/Kg
Choline	1670 mg/Kg

Calculated Fatty Acid Composition	
Myristic Acid 14:0	0.01%
Palmitic Acid 16:0	0.44%
Heptadecanoic Acid 17:0	Trace
Stearic Acid 18:0	0.16%
Arachidic Acid 20:	0.03%
Tetracosanoic Acid 22:0	0.02%
Palmitoleic Acid 16:1	0.04%
Oleic Acid 18:1	0.85%
Gadoleic Acid 20:1	0.02%
Linoleic Acid 18:2 n6	5.38%
a Linolenic Acid 18:3 n3	0.01%
Arachadonic Acid 20:4 n6	No data
EPA 20:5 n3	No data
DHA 22:6 n3	No data
Total n3	0.01%
Total n6	5.38%
Total Saturated Fats	0.70%
Total Monounsaturated Fats	0.90%
Total Polyunsaturated Fats	5.38%

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 autoclave 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.