



## Diet **SF03-030**      **23% Fat, High Glycaemic Index Semi-Pure Rodent Diet**

A semi-pure diet formulation for laboratory rats and mice based on AIN-93G. This formulation has been designed to maximise the risk of developing type II diabetes.

- The only carbohydrates present are cellulose, as a fibre source, and dextrose. Theoretically the glycaemic index of this diet should be close to 100.

Calculated Nutritional Parameters		Ingredients	
Protein	19.40%	Casein (Acid)	200 g/Kg
Total Fat	23.00%	Dextrose	505 g/Kg
Crude Fibre	4.66%	Canola Oil	50 g/Kg
AD Fibre	4.66%	Cocoa Butter	50 g/Kg
Digestible Energy	20 MJ / Kg	Hydrogenated Vegetable Oil (Copha)	131 g/Kg
% Total calculated digestible energy from lipids	42.00%	Cellulose	20 g/Kg
% Total calculated digestible energy from protein	17.00%	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"> <li>Semi pure diet. 12 mm diameter pellets.</li> <li>Pack size 1.5 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.</li> <li>Diet suitable for irradiation but not suitable for autoclave. Note, Irradiation can soften pellets.</li> <li>Lead time 2 weeks for non-irradiation or 4 weeks for irradiation.</li> </ul>

Calculated Amino Acids	
Valine	1.26%
Leucine	1.80%
Isoleucine	0.90%
Threonine	0.80%
Methionine	0.80%
Cystine	0.06%
Lysine	1.50%
Phenylalanine	1.00%
Tyrosine	1.00%
Histidine	0.60%
Tryptophan	0.30%

Calculated Total Minerals	
Calcium	0.47%
Phosphorous	0.32%
Magnesium	0.09%
Sodium	0.12%
Chloride	0.16%
Potassium	0.40%
Sulphur	0.20%
Iron	72 mg/Kg
Copper	7 mg/Kg
Iodine	0.2 mg/Kg
Manganese	18 mg/Kg
Cobalt	No data
Zinc	52 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	2.1 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)	6.1 mg/Kg
Vitamin B2 (Riboflavin)	6.3 mg/Kg
Niacin (Nicotinic acid)	30 mg/Kg
Vitamin B6 (Pryridoxine)	7.2 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	
Saturated fats C12 or Less	6.80%
Myristic Acid 14:0	1.80%
Palmitic Acid 16:0	3.20%
Stearic Acid 18:0	3.10%
Oleic Acid 18:1	5.92%
Gadoleic Acid 20:1	0.10%
Linoleic Acid 18:2 n6	1.40%
a Linolenic Acid 18:3 n3	0.60%
Stearidonic Acid 18:4 n3	0.03%
EPA 20:5 n3	Trace
DHA 22:6 n3	No data
Total n3	0.60%
Total n6	1.40%
Total Saturated Fats	14.90%
Total Monosaturated Fats	6.10%
Total Polyunsaturated Fat	2.00%
Cholesterol	No data

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.