



Diet SF05-031 21% Fat, 0.15% Cholesterol Semi-Pure Rodent Diet

A semi-pure high fat diet formulation for laboratory rats and mice based on SF00-219, using AIN93 Vitamins.

- This Diet was developed to generate arteriosclerotic lesions in a range of susceptible mice strains.
- We have evidence that irradiation at 25K Gy can cause vitamin losses and possibly other changes in the diet. Please contact us if the diet is to be irradiated.

Calculated Nutritional Parameters	
Protein	19.00%
Total Fat	21.00%
Crude Fibre	4.70%
AD Fibre	4.70%
Digestible Energy	19.4 MJ / Kg
% Total calculated digestible energy from lipids	40.00%
% Total calculated digestible energy from protein	17.00%

Ingredients	
Casein (Acid)	195 g/Kg
Sucrose	341 g/Kg
Clarified Butter (Ghee)	210 g/Kg
Cellulose	50 g/Kg
Wheat Starch	132 g/Kg
Dextrinised Starch	22.4 g/Kg
DL Methionine	3.0 g/Kg
Calcium Carbonate	17.1 g/Kg
Sodium Chloride	2.6 g/Kg
AIN93 Trace Minerals	1.4 g/Kg
Potassium Citrate	2.6 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
USP Cholesterol	1.5 g/Kg
Oxicap E2	0.04 g/Kg

Diet Form and Features	
<ul style="list-style-type: none"> • Semi pure high fat 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. 	

Calculated Amino Acids	
Valine	1.20%
Leucine	1.80%
Isoleucine	0.80%
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	0.60%
Phosphorous	0.32%
Magnesium	0.10%
Sodium	0.14%
Chloride	0.16%
Potassium	0.40%
Sulphur	0.20%
Iron	78 mg/Kg
Copper	7.0 mg/Kg
Iodine	0.2 mg/Kg
Manganese	20 mg/Kg
Cobalt	No data
Zinc	51 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	2.7 mg/Kg
Nickel	0.5 mg/Kg
Vanadium	0.1 mg/Kg

Calculated Total Vitamins	
Vitamin A (Retinol)	5 650 IU/Kg
Vitamin D (Cholecalciferol)	1 000 IU/Kg
Vitamin E (a Tocopherol acetate)	77 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	1 670 mg/Kg

Calculated Fatty Acid Composition	
Saturated Fats C12:0 or less	1.80%
Myristic Acid 14:0	2.60%
Palmitic Acid 16:0	7.00%
Stearic Acid 18:0	2.40%
Palmitoleic Acid 16:1	0.40%
Oleic Acid 18:1	5.50%
Gadoleic Acid 20:1	No data
Linoleic Acid 18:2 n6	0.40%
a Linolenic Acid 18:3 n3	0.20%
EPA 20:5 n3	No data
DHA 22:6 n3	No data
Total n3	0.35%
Total n6	0.41%
Cholesterol	0.15%
Total Mono Unsaturated Fats	6.23%
Total Polyunsaturated Fats	0.77%
Total Saturated Fats	13.99%

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.