



Diet SF04-054 21.5% Fat, 0.15% Cholesterol Semi-Pure Rodent Diet: No Added Vitamin E

A semi-pure high fat diet formulation for laboratory rats and mice based on SF00-219

- In this diet casein is replaced with Sodium Caseinate.
- To reduce background Vitamin E lipid content has been changed from clarified butter (as in SF00-219) to a mixture of Canola oil and hydrogenated vegetable oil

Calculated Nutritional Parameters	
Protein	18.80%
Total Fat	21.00%
Crude Fibre	4.70%
AD Fibre	4.70%
Digestible Energy	19.1 MJ / Kg
% Total calculated digestible energy from lipids	40.00%
% Total calculated digestible energy from protein	17.00%

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.

Ingredients	
Sodium Caseinate	195 g/Kg
Sucrose	341 g/Kg
Canola Oil	25.8 g/Kg
Hydrogenated Vegetable Oil (Copha)	184 g/Kg
Cellulose	50 g/Kg
Wheat Starch	155 g/Kg
DL Methionine	3.0 g/Kg
Calcium Carbonate	17.1 g/Kg
Sodium Chloride	0.3 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
Potassium Chloride	1.65 g/Kg
Choline Chloride (75%)	2.5 g/Kg
AIN93 Vitamins No Vit E	10 g/Kg
Cholesterol	1.5 g/Kg
Oxicap E2	0.04 g/Kg

Calculated Amino Acids	
Valine	1.20%
Leucine	1.80%
Isoleucine	0.80%
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	0.59%
Phosphorous	0.30%
Magnesium	0.10%
Sodium	0.25%
Chloride	0.10%
Potassium	0.50%
Sulphur	0.20%
Iron	80 mg/Kg
Copper	7.1 mg/Kg
Iodine	0.2 mg/Kg
Manganese	20 mg/Kg
Cobalt	No data
Zinc	49 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	1.5 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)	2.2 mg/Kg
Vitamin K (Menadione)	1.0 mg/Kg
Vitamin C (Ascorbic acid)	None added
Vitamin B1 (Thiamine)	6.1 mg/Kg
Vitamin B2 (Riboflavin)	6.4 mg/Kg
Niacin (Nicotinic acid)	30 mg/Kg
Vitamin B6 (Pryridoxine)	7 mg/Kg
Pantothenic Acid	16 mg/Kg
Biotin	200 ug/Kg
Folic Acid	2 mg/Kg
Inositol	None added
Vitamin B12 (Cyanocobalamin)	100 ug/Kg
Choline	1 670 mg/Kg

Calculated Fatty Acid Composition	
Saturated Fats C12:0 or less	9.50%
Myristic Acid 14:0	2.50%
Palmitic Acid 16:0	2.40%
Stearic Acid 18:0	1.70%
Arachidic Acid 20:0	0.04%
Palmitoleic Acid 16:1	0.10%
Oleic Acid 18:1	3.30%
Gadoleic Acid 20:1	0.05%
Linoleic Acid 18:2 n6	0.90%
a Linolenic Acid 18:3 n3	0.40%
Total n3	0.40%
Total n6	0.92%
Cholesterol	0.15%
Total Mono Unsaturated Fats	3.48%
Total Polyunsaturated Fats	1.32%
Total Saturated Fats	16.26%

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.