Specialty Feeds
3150 Great Eastern Hwy
Glen Forrest
Western Australia 6071
p: +61 8 9298 8111
F: +61 8 9298 8700
Email: info@specialtyfeeds.com

Diet
SF16-074

Low Fat Rodent Diet Control for SF04-027

A semi-pure low fat diet formulation for laboratory rats and mice based on Research Diets D12450B. Some modifications have been made to the original formulation to suit locally available raw materials and to balance ration against SF04-027.

- Fat content reduced to 6%,
- All fats replaced with canola oil

Calculated Nutritional Parameters

Protein	18.80%
Total Fat	6.00%
Crude Fibre	5.40%
AD Fibre	5.40%
Digestible Energy	15.7 MJ / Kg
% Total calculated digestible energy from lipids	14.00%
% Total calculated digestible energy from protein	20.70%

Diet Form and Features

- Semi pure low fat 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)	190 g/Kg
Sucrose	201 g/Kg
Canola Oil	60 g/Kg
Cellulose	58 g/Kg
Maize Starch	292 g/Kg
Dextrinised Starch	117 g/Kg
L Methionine	3.5 g/Kg
Calcium Carbonate	6.4 g/Kg
Sodium Chloride	2.6 g/Kg
AIN93 Trace Minerals	1.6 g/Kg
Potassium Citrate	19.2 g/Kg
Dicalcium Phosphate	15.1 g/Kg
Potassium Sulphate	1.6 g/Kg
Choline Chloride (75%)	1.3 g/Kg
AIN93 Vitamins	12 g/Kg

Calculated Amino Acids as Fed	
Valine	1.19%
Leucine	1.63%
Isoleucine	0.90%
Threonine	0.75%
Methionine	0.85%
Cysteine	0.07%
Lysine	1.35%
Phenylalanine	0.89%
Tyrosine	0.94%
Tryptophan	0.16%
Histidine	0.50%

Calculated Total Minerals as Fed	
Calcium	0.60%
Phosphorous	0.50%
Magnesium	0.09%
Sodium	0.13%
Chloride	0.16%
Potassium	0.80%
Sulphur	0.25%
Iron	79 mg/Kg
Copper	9.0 mg/Kg
Iodine	0.23 mg/Kg
Manganese	23 mg/Kg
Cobalt	No data
Zinc	61 mg/Kg
Molybdenum	0.18 mg/Kg
Selenium	0.4 mg/Kg
Cadmium	No data
Chromium	1.2 mg/Kg
Fluoride	1.2 mg/Kg
Lithium	0.1 mg/Kg
Boron	2.1 mg/Kg
Nickel	0.6 mg/Kg
Vanadium	0.1 mg/Kg

Calculated Total Vitamins as Fed	
Vitamin A (Retinol)	4 700 IU/Kg
Vitamin D (Cholecalciferol)	1 200 IU/Kg
Vitamin E (a Tocopherol acetate)	90 mg/Kg
Vitamin K (Menadione)	1.2 mg/Kg
Vitamin C (Ascorbic acid)	None added
Vitamin B1 (Thiamine)	7.1 mg/Kg
Vitamin B2 (Riboflavin)	7.3 mg/Kg
Niacin (Nicotinic acid)	35 mg/Kg
Vitamin B6 (Pryridoxine)	8 mg/Kg
Pantothenic Acid	19 mg/Kg
Biotin	233 ug/Kg
Folic Acid	2.4 mg/Kg
Inositol	None added
Vitamin B12 (Cyancobalamin)	120 ug/Kg
Choline	890 mg/Kg

Calculated Fatty Acid Composition as Fed	
Saturated Fats C12:0 or less	0.01%
Myristic Acid 14:0	Trace
Palmitic Acid 16:0	0.25%
Stearic Acid 18:0	0.12%
Palmitoleic Acid 16:1	0.01%
Oleic Acid 18:1	0.33%
Gadoleic Acid 20:1	0.06%
Linoleic Acid 18:2 n6	1.29%
a Linolenic Acid 18:3 n3	0.84%
EPA 20:5 n3	No data
DHA 22:6 n3	No data
Total n3	0.84%
Total n6	1.29%
Total Mono Unsaturated Fats	3.41%
Total Polyunsaturated Fats	2.14%
Total Saturated Fats	0.43%

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.