Specialty Feeds

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Diet

SF04-027

23% Fat Rodent Diet Based

A semi-pure high fat diet formulation for laboratory rats and mice with similarities to SF04-001. Some modifications have been made to the original formulation to suit locally available raw materials.

- Fatty acid profile of this diet has been modified from SF04-001 specifications. Lard and Soya Oil have been replaced with Cocoa Butter, Hydrogenated Vegetable Oil and Canola Oil.
- 46% of total calculated energy is from lipids, 20% of total calculated energy from protein and the remainder from carbohydrates.
- We have evidence that vitamin losses can occur during irradiation at 25KGy. Please contact us for more information if the diet is to be irradiated.

Calculated Nutritional Parameters

Protein	17.1%
Total Fat	24.0%
Crude Fibre	5.4%
AD Fibre	5.4%
Digestible Energy	18.9 MJ / Kg
% Total calculated digestible energy from lipids	46.5%
% Total calculated digestible energy from protein	15.0%

Diet Form and Features

- Semi pure high fat diet. 12 mm diameter pellets.
- Pack size 2 Kg trays compostable cardboard, 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	220 g/Kg
Canola Oil	50 g/Kg
Cocoa Butter	110 g/Kg
Hydrogenated Vegetable Oil (Copha)	80 g/Kg
Cellulose	58 g/Kg
Maize Starch	112 g/Kg
Dextrinised Starch	116 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	1.10%
Leucine	1.70%
Isoleucine	0.95%
Threonine	0.76%
Methionine	0.92%
Cysteine	0.06%
Lysine	1.50%
Phenylalanine	0.95%
Tyrosine	1.00%
Tryptophan	0.19%
Arginine	0.57%
Histidine	0.38%

Calculated Total Minerals as Fed	
Calcium	0.69%
Phosphorous	0.43%
Magnesium	0.07%
Sodium	0.13%
Chloride	0.16%
Potassium	0.83%
Sulphur	0.23%
Iron	69 mg/Kg
Copper	9.2 mg/Kg
Iodine	0.23 mg/Kg
Manganese	22 mg/Kg
Cobalt	No data
Zinc	53 mg/Kg
Molybdenum	0.18 mg/Kg
Selenium	0.3 mg/Kg
Cadmium	No data
Chromium	1.2 mg/Kg
Fluoride	1.2 mg/Kg
Lithium	0.1 mg/Kg
Boron	2.7 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)	95 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)	7.2 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	1 100 mg/Kg

Calculated Fatty Acid Composition as Fed	
Saturated Fats C12:0 or less	4.20%
Myristic Acid 14:0	1.10%
Palmitic Acid 16:0	4.00%
Stearic Acid 18:0	4.80%
Palmitoleic Acid 16:1	Trace
Oleic Acid 18:1	7.10%
Gadoleic Acid 20:1	0.06%
Linoleic Acid 18:2 n6	1.50%
a Linolenic Acid 18:3 n3	0.60%
EPA 20:5 n3	Trace
DHA 22:6 n3	No data
Total n3	0.75%
Total n6	1.60%
Total Mono Unsaturated Fats	7.30%
Total Polyunsaturated Fats	2.30%
Total Saturated Fats	14.30%

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.