



Diet SF14-004

22% Fat Rat and Mouse Diet 0.8% Sodium

A high fat diet based on our standard rat and mouse diet.

- For general comments see our standard rat and mouse formulation data sheet.
- The total fat content of this diet has been increased to 22%. In our experience this is the maximum fat content that can be included into a standard pelletised diet. Even at this content a significant loss in pellet strength is apparent. Higher fat contents are possible but we have found that the diet form must change.
- The increased fat content has resulted in a 28% increase in calculated energy from 14.3 MJ/Kg to 18 MJ/Kg.
- Sodium has been increased from 0.18% to 0.8%
- All other nutritional parameters have been kept as close as possible to our standard rat and mouse diet.

Calculated Nutritional Parameters

Protein	18.70%
Total Fat	22.20%
Crude Fibre	5.20%
Digestible Energy	18 MJ / Kg
% Total Calculated Digestible Energy from Protein	19.60%
% total Calculated Digestible Energy From Lipids	50.10%

Added Trace Minerals

Magnesium	100 mg/Kg
Iron	70 mg/Kg
Copper	16 mg/Kg
Iodine	0.5 mg/Kg
Manganese	70 mg/Kg
Zinc	60 mg/Kg
Molybdenum	0.5 mg/Kg
Selenium	0.1 mg/Kg

Ingredients

A fixed formula ration using the following ingredients.

Wheat, Lupins, Barley, Soya meal, Canola meal, Cocoa butter, Canola oil, Salt, Calcium carbonate, Dicalcium phosphate, Magnesium oxide, and a Vitamin and mineral premix.

Diet Form and Features

- Cereal grain base 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 for autoclave.
- Lead time 2 weeks for non-irradiation or 4 weeks for irradiation.

Feeding Recommendations

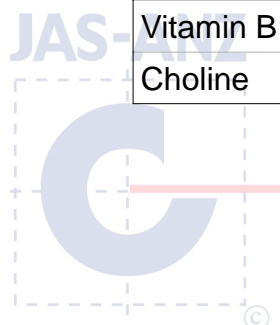
Feed ad-lib to animals of all ages.

Added Vitamins	
Vitamin A (Retinol)	6 670 IU/Kg
Vitamin D3 (Cholecalciferol)	1 330 IU/Kg
Vitamin K (Menadione)	13 mg/Kg
Vitamin E (a Tocopherol acetate)	70 mg/Kg
Vitamin B1 (Thiamine)	53 mg/Kg
Vitamin B2 (Riboflavin)	20 mg/Kg
Niacin (Nicotinic acid)	70 mg/Kg
Vitamin B6 (Pyridoxine)	17 mg/Kg
Calcium Pantothenate	33 mg/Kg
Biotin	200 ug/Kg
Folic Acid	3 mg/Kg
Vitamin B12 (Cyanocobalamin)	100 ug/Kg

Calculated Amino Acids	
Valine	0.82%
Leucine	1.40%
Isoleucine	0.79%
Threonine	0.68%
Methionine	0.28%
Cystine	0.29%
Lysine	0.98%
Phenylalanine	0.85%
Tyrosine	0.69%
Tryptophan	0.20%
Histidine	0.52%

Calculated Total Minerals	
Calcium	0.81%
Phosphorous	0.69%
Magnesium	0.20%
Sodium	0.80%
Potassium	0.72%
Sulphur	0.17%
Iron	190 mg/Kg
Copper	18 mg/Kg
Iodine	0.3 mg/Kg
Manganese	81 mg/Kg
Cobalt	0.4 mg/Kg
Zinc	70 mg/Kg
Molybdenum	1.4 mg/Kg
Selenium	0.4 mg/Kg
Cadmium	0.03 mg/Kg
Chromium	No data
Boron	3.6 mg/Kg

Calculated Total Vitamins	
Vitamin A (Retinol)	8 070 IU/Kg
Vitamin D (Cholecalciferol)	1 330 IU/Kg
Vitamin E (a Tocopherol acetate)	83 mg/Kg
Vitamin K (Menadione)	13 mg/Kg
Vitamin C (Ascorbic acid)	No data
Vitamin B1 (Thiamine)	56 mg/Kg
Vitamin B2 (Riboflavin)	21 mg/Kg
Niacin (Nicotinic acid)	98 mg/Kg
Vitamin B6 (Pyridoxine)	19 mg/Kg
Pantothenic Acid	41 mg/Kg
Biotin	282 ug/Kg
Folic Acid	3.7 mg/Kg
Inositol	No data
Vitamin B12 (Cyanocobalamin)	100 ug/Kg
Choline	1 640 mg/Kg



Calculated Fatty Acid Composition	
Saturated Fats C12:0 or less	0.09%
Myristic Acid 14:0	0.07%
Palmitic Acid 16:0	5.20%
Stearic Acid 18:0	6.90%
Arachidic Acid 20:0	0.23%
Palmitoleic Acid 16:1	0.05%
Oleic Acid 18:1	7.50%
Gadoleic Acid 20:1	0.04%
Linoleic Acid 18:2 n6	1.64%
a Linolenic Acid 18:3 n3	0.30%
Arachadonic Acid 20:4 n6	Trace
EPA 20:5 n3	0.03%
DHA 22:6 n3	0.07%
Total n3	0.42%
Total n6	1.63%
Total Mono Unsaturated Fats	7.60%
Total Polyunsaturated Fats	2.04%
Total Saturated Fats	12.62%

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.

