Specialty Feeds

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Diet
SF01-003

1.6% Sodium Rat and Mouse Diet

A fixed formulation cereal grain base diet for laboratory rats and mice based on SF01-001.

- Sodium chloride has been added to this diet at a level of 3.9 g / 100g
- Trace mineral and vitamin inclusion has been increased to allow for the dilution effect of the additional salt.
- All other nutrients have been “diluted” accordingly.
- All known nutritional requirements meet or exceed NRC requirements.

Calculated Nutritional Parameters

Protein	19.60%
Total Fat	4.90%
Crude Fibre	4.50%
AD Fibre	7.00%
Digestible Energy	13.5 MJ / Kg

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	50 mg/Kg
Molybdenum	0.5 mg/Kg
Selenium	0.1 mg/Kg

Ingredients

A fixed formula ration using the following ingredients.
Wheat, Lupins, Barley, Mill mix (Pollard and Bran), Soya meal, Canola meal, Mixed vegetable oils, Canola oil, Calcium carbonate, dicalcium phosphate, Sodium chloride, Magnesium oxide, and a Vitamin and mineral premix.

Feeding Recommendations

Feed ad-lib to animals of all ages.

Diet Form and Features

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

Added Vitamins	
Vitamin A (Retinol)	10 000 IU/Kg
Vitamin D3 (Cholecalciferol)	2 000 IU/Kg
Vitamin K (Menadione)	20 mg/Kg
Vitamin E (a Tocopherol acetate)	100 mg/Kg
Vitamin B1 (Thiamine)	80 mg/Kg
Vitamin B2 (Riboflavin)	30 mg/Kg
Niacin (Nicotinic acid)	100 mg/Kg
Vitamin B6 (Pyridoxine)	25 mg/Kg
Calcium Pantothenate	50 mg/Kg
Biotin	300 ug/Kg
Folic Acid	5 mg/Kg
Vitamin B12 (Cyanocobalamin)	150 ug/Kg

Calculated Essential Amino Acids as Fed	
Valine	1.00%
Leucine	1.40%
Isoleucine	0.80%
Threonine	0.70%
Methionine	0.30%
Cystine	0.30%
Lysine	1.00%
Phenylanine	0.90%
Tyrosine	0.50%
Tryptophan	0.20%
Histidine	0.52%

Calculated Total Minerals as Fed	
Calcium	0.86%
Phosphorous	0.70%
Magnesium	0.27%
Sodium	1.60%
Chloride	2.50%
Potassium	0.90%
Sulphur	0.20%
Iron	200 mg/Kg
Copper	20 mg/Kg
Iodine	0.6 mg/Kg
Manganese	94 mg/Kg
Cobalt	0.5 mg/Kg
Zinc	75 mg/Kg
Molybdenum	0.8 mg/Kg
Selenium	0.4 mg/Kg
Cadmium	0.05 mg/Kg
Chromium	No data
Boron	0.9 mg/Kg

Calculated Total Vitamins as Fed	
Vitamin A (Retinol)	10 400 IU/Kg
Vitamin D (Cholecalciferol)	2 000 IU/Kg
Vitamin E (a Tocopherol acetate)	114 mg/Kg
Vitamin K (Menadione)	20 mg/Kg
Vitamin C (Ascorbic acid)	No data
Vitamin B1 (Thiamine)	84 mg/Kg
Vitamin B2 (Riboflavin)	31 mg/Kg
Niacin (Nicotinic acid)	158 mg/Kg
Vitamin B6 (Pyridoxine)	29 mg/Kg
Pantothenic Acid	61 mg/Kg
Biotin	523 ug/Kg
Folic Acid	5.7 mg/Kg
Inositol	No data
Vitamin B12 (Cyancobalamin)	150 ug/Kg
Choline	1 920 mg/Kg

Calculated Fatty Acid Composition as Fed	
Myristic Acid 14:0	0.01%
Palmitic Acid 16:0	0.40%
Stearic Acid 18:0	0.10%
Palmitoleic Acid 16:1	0.01%
Oleic Acid 18:1	2.00%
Gadoleic Acid 20:1	0.04%
Linoleic Acid 18:2 n6	1.20%
a Linolenic Acid 18:3 n3	0.30%
Arachadonic Acid 20:4 n6	0.01%
EPA 20:5 n3	Trace
DHA 22:6 n3	No data
Total n3	0.30%
Total n6	1.21%
Total Mono Unsaturated Fats	1.99%
Total Polyunsaturated Fats	1.43%
Total Saturated Fats	0.55%

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.