Specialty Feeds

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Diet NIH-31 — NIH-31 Open Formulation Rat and Mouse Diet 18% Protein

A rat and mouse diet based on the open formulae NIH-31. Some modifications have been made to the original formulation to suit locally available raw materials.

Calculated Nutritional Parameters

Protein	18.40%
Total Fat	5.00%
Crude Fibre	4.60%
AD Fibre	6.00%
Digestible Energy	13.5 MJ / Kg
Calcium	0.96%
Phosphorous	0.87%

Diet Form and Features

- Cereal grain base diet. 12 mm diameter pellets.
- Pack size 5 Kg, vacuum packed under nitrogen in oxygen impermeable plastic bags. Bags are packed into cardboard cartons to protect them during transit. Smaller pack quantity on request.
- Diet suitable for irradiation, also suitable for autoclave.
- Lead time 2 weeks for non-irradiation or 4 weeks for irradiation.

Ingredients

Lucerne Meal	20 g/Kg
Maize	210 g/Kg
Oats	100 g/Kg
Wheat	355 g/Kg
Mill Mix (Bran and Pollard)	100 g/Kg
Dicalcium Phosphate	15.0 g/Kg
Calcium Carbonate	5.0 g/Kg
Sodium Chloride	5 g/Kg
Fish Meal (65% Protein)	90 g/Kg
Soybean Meal (48% Protein)	50 g/Kg
Torula Yeast	10 g/Kg
Soy Oil	15 g/Kg
Maize Gluten Meal (60% Protein)	20 g/Kg
NIH-31 Premix	5 g/Kg

Added Vitamins (in NIH-31 Px)

Vitamin A (Retinol)	22 000 IU/Kg
Vitamin D (Cholecalciferol)	3 800 IU/Kg
Vitamin E (a Tocopherol acetate)	15 mg/Kg
Vitamin K (Menadione)	20 mg/Kg
Vitamin B1 (Thiamine)	65 mg/Kg
Vitamin B2 (Riboflavin)	5.0 mg/Kg
Niacin (Nicotinic acid)	40 mg/Kg
Vitamin B6 (Pryridoxine)	5.0 mg/Kg
Calcium Pantothenate	25 mg/Kg
Biotin	120 ug/Kg
Folic Acid	1.0 mg/Kg
Vitamin B12 (Cyancobalamin)	40 ug/Kg
Choline Chloride	700 mg/Kg

Added Trace Minerals (in NIH-31 Px)	
Magnesium	0.40%
Iron	60 mg/Kg
Copper	4 mg/Kg
Iodine	1.5 mg/Kg
Manganese	100 mg/Kg
Cobolt	0.4 mg/Kg
Zinc	10 mg/Kg

Calculated Amino Acids	
Valine	0.90%
Leucine	1.50%
Isoleucine	0.70%
Threonine	0.70%
Methionine	0.40%
Cystine	0.30%
Lysine	0.90%
Phenylanine	0.80%
Tyrosine	0.60%
Tryptophan	0.20%
Histidine	0.49%

Calculated Total Minerals	
Calcium	0.96%
Phosphorous	0.87%
Magnesium	0.26%
Sodium	0.31%
Chloride	0.37%
Potassium	0.61%
Sulphur	0.14%
Iron	183 mg/Kg
Copper	13.8 mg/Kg
Iodine	1.5 mg/Kg
Manganese	146 mg/Kg
Cobalt	0.76 mg/Kg
Zinc	55 mg/Kg
Molybdenum	No data
Selenium	0.4 mg/Kg
Cadmium	0.12 mg/Kg
Chromium	No data
Fluoride	No data
Lithium	No data
Boron	0.05 mg/Kg
Nickel	No data
Vanadium	No data

Calculated Total Vitamins	
Vitamin A (Retinol)	26 850 IU/Kg
Vitamin D (Cholecalciferol)	3 800 IU/Kg
Vitamin E (a Tocopherol acetate)	32 mg/Kg
Vitamin K (Menadione)	20 mg/Kg
Vitamin C (Ascorbic acid)	None added
Vitamin B1 (Thiamine)	70 mg/Kg
Vitamin B2 (Riboflavin)	8 mg/Kg
Niacin (Nicotinic acid)	98 mg/Kg
Vitamin B6 (Pryridoxine)	9.4 mg/Kg
Pantothenic Acid	38 mg/Kg
Biotin	225 ug/Kg
Folic Acid	1.5 mg/Kg
Inositol	None added
Vitamin B12 (Cyancobalamin)	40 ug/Kg
Choline	1 560 mg/Kg

Calculated Fatty Acid Composition	
Myristic Acid 14:0	0.07%
Palmitic Acid 16:0	0.80%
Stearic Acid 18:0	0.14%
Palmitoleic Acid 16:1	Trace
Oleic Acid 18:1	1.15%
Gadoleic Acid 20:1	0.03%
Linoleic Acid 18:2 n6	2.06%
a Linolenic Acid 18:3 n3	0.19%
Arachadonic Acid 20:4 n6	Trace
EPA 20:5 n3	0.10%
DHA 22:6 n3	0.24%
Total n3	0.53%
Total n6	2.08%
Total Mono Unsaturated Fats	1.19%
Total Polyunsaturated Fats	2.61%
Total Saturated Fats	1.00%

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.