



Diet **NIH-31 Open Formulation Rat and Mouse Diet Plus SF04-058** Supplements

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.

- See NIH-31 Data sheet for more details on base diet.
- Diet has been supplemented with Betaine, Methionine, Choline Chloride, Zinc oxide and Folic acid

Calculated Nutritional Parameters

Protein	17.50%
Total Fat	4.80%
Crude Fibre	4.30%
AD Fibre	5.80%
Digestible Energy	13 MJ / Kg
Calcium	0.90%
Phosphorous	0.83%

Diet Form and Features

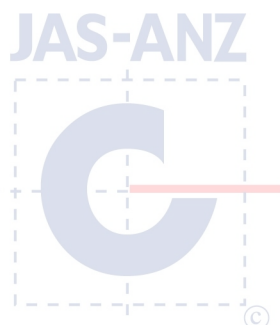
- Cereal grain base diet. 12 mm diameter pellets.
- Pack size 5 Kg, vacuum packed under nitrogen in oxygen impermeable plastic bags. Bags are packed into cardboard cartons to protect them during transit. Smaller pack quantity on request.
- Diet suitable for irradiation, also suitable for autoclave.
-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

Ingredients

A fixed formulation made with the following ingredients:
Lucerne, Maize, Mill Mix (Bran and Pollard), Oats, Wheat Flour, Dicalcium Phosphate, Calcium Carbonate, Salt, Fish Meal, Soya Bean Meal, Yeast, Soya Bean Oil, Maize Gluten, Betaine, DL Methionine, Choline Chloride, Zinc Oxide, Vitamin and Mineral premix

Added Supplements

DL Methionine	7.5 g/Kg
Betaine	15 g/Kg
Choline Chloride	25 g/Kg
Zinc Oxide	0.2 g/Kg
Folic Acid	0.07 g/Kg
Vitamin B12	0.15 g/Kg



Calculated Amino Acids	
Valine	0.83%
Leucine	1.47%
Isoleucine	0.69%
Threonine	0.65%
Methionine	1.08%
Cystine	0.26%
Lysine	0.92%
Phenylalanine	0.80%
Tyrosine	0.60%
Tryptophan	0.20%
Histidine	0.46%

Calculated Total Minerals	
Calcium	0.91%
Phosphorous	0.83%
Magnesium	0.24%
Sodium	0.30%
Chloride	0.35%
Potassium	0.58%
Sulphur	0.29%
Iron	174 mg/Kg
Copper	13.1 mg/Kg
Iodine	1.4 mg/Kg
Manganese	139 mg/Kg
Cobalt	0.72 mg/Kg
Zinc	205 mg/Kg
Molybdenum	No data
Selenium	0.4 mg/Kg
Cadmium	0.12 mg/Kg
Boron	0.05 mg/Kg

Calculated Total Vitamins	
Vitamin A (Retinol)	25 560 IU/Kg
Vitamin D (Cholecalciferol)	3 620 IU/Kg
Vitamin E (a Tocopherol acetate)	31 mg/Kg
Vitamin K (Menadione)	19 mg/Kg
Vitamin C (Ascorbic acid)	None added
Vitamin B1 (Thiamine)	66 mg/Kg
Vitamin B2 (Riboflavin)	7 mg/Kg
Niacin (Nicotinic acid)	93 mg/Kg
Vitamin B6 (Pryridoxine)	9 mg/Kg
Pantothenic Acid	36 mg/Kg
Biotin	214 ug/Kg
Folic Acid	70 mg/Kg
Inositol	None added
Vitamin B12 (Cyanocobalamin)	1 540 ug/Kg
Choline	17 570 mg/Kg

Calculated Fatty Acid Composition	
Myristic Acid 14:0	0.07%
Palmitic Acid 16:0	0.80%
Stearic Acid 18:0	0.13%
Palmitoleic Acid 16:1	0.01%
Oleic Acid 18:1	1.09%
Gadoleic Acid 20:1	0.03%
Linoleic Acid 18:2 n6	1.96%
a Linolenic Acid 18:3 n3	0.18%
Arachadonic Acid 20:4 n6	Trace
EPA 20:5 n3	0.09%
DHA 22:6 n3	0.23%
Total n3	0.51%
Total n6	1.97%
Total Mono Unsaturated Fats	1.13%
Total Polyunsaturated Fats	2.48%
Total Saturated Fats	0.95%

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.