



Specialty Feeds

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Diet **SF05-031** **21% Fat, 0.15% Cholesterol Semi-Pure Rodent Diet.**

A semi-pure high fat diet formulation for laboratory rats and mice based on SF00-219, using AIN93 Vitamins.

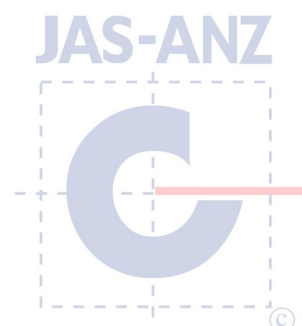
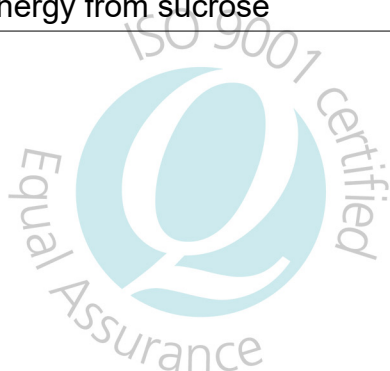
- Mineral inclusion has been adjusted to account for mineral differences in Sodium Caseinate and Casein.
- We have evidence that irradiation at 25K Gy can cause vitamin losses and possibly other changes in the diet. Please contact us if the diet is to be irradiated.

Calculated Nutritional Parameters

Protein	17.5%
Total Fat	21.0%
Total Digestible Carbohydrate as defined by FSA NZ Standard 1.2.8	47.5%
Crude Fibre	4.7%
AD Fibre	4.7%
Net Metabolisable Energy	17.8 MJ / Kg
Digestible Energy	18.5 MJ / Kg
% Total calculated digestible energy from lipids	41.0%
% Total calculated digestible energy from protein	16.0%
% Total calculated digestible energy from carbohydrates	43.0%
% Total calculated digestible energy from sucrose	31.0%

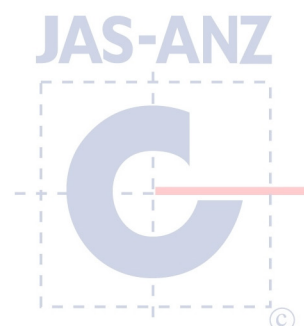
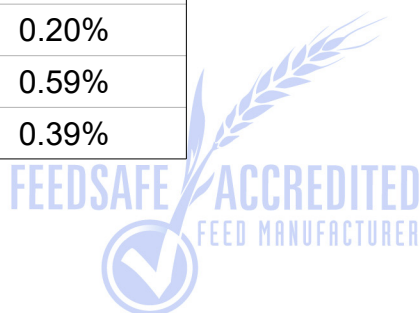
Diet Form and Features

- Semi pure high fat diet. 12 mm diameter pellets.
- Pack size 2 Kg compostable cardboard 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 suitable for autoclave.
- Lead time 2 weeks for non-irradiation or 4 weeks for irradiation.



Ingredients		Calculated Total Minerals	
Lactic acid casein	195 g/Kg	Calcium	0.89%
Sucrose	341 g/Kg	Phosphorous	0.32%
Clarified Butter (Ghee)	210 g/Kg	Magnesium	0.06%
Cellulose	50 g/Kg	Sodium	0.13%
Wheat Starch	24 g/Kg	Chloride	0.16%
Dextrinised Starch	133 g/Kg	Potassium	0.39%
L Methionine	3.0 g/Kg	Sulphur	0.23%
Calcium Carbonate	17.1 g/Kg	Iron	49 mg/Kg
Sodium Chloride	2.6 g/Kg	Copper	7.1 mg/Kg
AIN93 Trace Minerals	1.4 g/Kg	Iodine	0.2 mg/Kg
Potassium Dihydrogen Phosphate	6.86 g/Kg	Manganese	16 mg/Kg
Potassium Sulphate	1.6 g/Kg	Cobalt	No data
Potassium citrate	2.48g/Kg	Zinc	47 mg/Kg
Choline Chloride (75%)	2.5 g/Kg	Molybdenum	0.15 mg/Kg
AIN93 Vitamins	10 g/Kg	Selenium	0.23 mg/Kg
USP Cholesterol	1.5 g/Kg	Cadmium	No data
Oxicap E2	0.04 g/Kg	Chromium	1.0 mg/Kg
		Fluoride	1.0 mg/Kg
		Lithium	0.1 mg/Kg
		Boron	1.7 mg/Kg
		Nickel	0.5 mg/Kg
		Vanadium	0.1 mg/Kg

Calculated Amino Acids	
Valine	1.20%
Leucine	1.80%
Isoleucine	0.80%
Threonine	0.80%
Methionine	0.80%
Cysteine	0.06%
Lysine	1.50%
Phenylalanine	1.00%
Tyrosine	1.10%
Tryptophan	0.20%
Arginine	0.59%
Histidine	0.39%



Calculated Total Vitamins		Calculated Fatty Acid Composition	
Vitamin A (Retinol)	5 650 IU/Kg	Saturated Fats C12:0 or less	1.70%
Vitamin D (Cholecalciferol)	1 000 IU/Kg	Myristic Acid 14:0	2.60%
Vitamin E (a Tocopherol acetate)	77 mg/Kg	Palmitic Acid 16:0	7.00%
Vitamin K (Menadione)	1 mg/Kg	Stearic Acid 18:0	2.40%
Vitamin C (Ascorbic acid)	None added	Palmitoleic Acid 16:1	0.40%
Vitamin B1 (Thiamine)	6.1 mg/Kg	Oleic Acid 18:1	5.50%
Vitamin B2 (Riboflavin)	6.3 mg/Kg	Gadoleic Acid 20:1	No data
Niacin (Nicotinic acid)	30 mg/Kg	Linoleic Acid 18:2 n6	0.21%
Vitamin B6 (Pryridoxine)	7 mg/Kg	a Linolenic Acid 18:3 n3	0.17%
Pantothenic Acid	16 mg/Kg	EPA 20:5 n3	No data
Biotin	200 ug/Kg	DHA 22:6 n3	No data
Folic Acid	2 mg/Kg	Total n3	0.35%
Inositol	None added	Total n6	0.25%
Vitamin B12 (Cyancobalamin)	100 ug/Kg	Cholesterol	0.15%
Choline	2 000 mg/Kg	Total Mono Unsaturated Fats	5.90%
		Total Polyunsaturated Fats	0.61%
		Total Saturated Fats	13.74%

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.

