



Specialty Feeds

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Diet
SF12-031

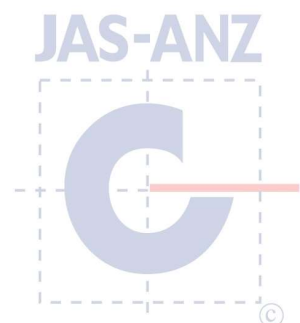
23.5% Fat Modification of SF05-033

A semi-pure high fat diet formulation for laboratory rats and mice based on SF05-033. Some modifications have been made to the original formulation to suit locally available raw materials.

- No vitamin D has been added to this ration.
- Calcium, Phosphorous and Magnesium have been increased in this ration over the standard AIN93G diet.
- Fat content has been increased from 7% to 23.5% This has resulted in an increase in digestible energy.
- The digestible energy content is 22% higher than the control SF12-029.
- Wheat starch content has reduced accordingly

Calculated Nutritional Parameters	
Protein	19.40%
Total Fat	23.50%
Crude Fibre	4.70%
AD Fibre	4.70%
Digestible Energy	19 MJ / Kg
% Total calculated digestible energy from lipids	47.80%
% Total calculated digestible energy from protein	18.50%

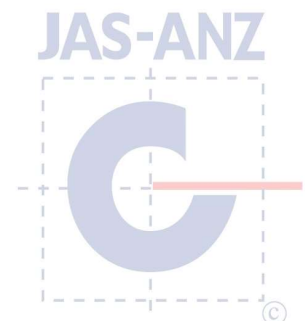
Diet Form and Features
<ul style="list-style-type: none"> • Semi pure high fat diet. 12 mm diameter pellets. • Pack size 1.5 Kg trays, vacuum packed in oxygen impermeable plastic bags, under nitrogen. Bags are packed into cardboard cartons to protect them during transit. • Diet suitable for irradiation but not suitable for autoclave. • Lead time 2 weeks for non-irradiation or 4 weeks for irradiation. • Diet is light yellow in colour



Ingredients	
Casein (Acid)	200 g/Kg
Sucrose	100 g/Kg
Lard	207 g/Kg
Canola Oil	29 g/Kg
Cellulose	50 g/Kg
Wheat Starch	174 g/Kg
Dextrinised Starch	132 g/Kg
L Methionine	3.0 g/Kg
Calcium Carbonate	25.2 g/Kg
Sodium Chloride	2.6 g/Kg
AIN93 Trace Minerals	1.4 g/Kg
Potassium Citrate	1.5 g/Kg
Dicalcium Phosphate	51 g/Kg
Potassium Sulphate	1.6 g/Kg
Potassium Dihydrogen Phosphate	7.6 g/Kg
Choline Chloride (75%)	2.5 g/Kg
Magnesium Oxide	1.7 g/Kg
Modified AIN93 Vitamins No Added D	10 g/Kg

Calculated Total Minerals as Fed	
Calcium	2.07%
Phosphorous	1.29%
Magnesium	0.23%
Sodium	0.14%
Chloride	0.16%
Potassium	0.37%
Sulphur	0.22%
Iron	116 mg/Kg
Copper	11 mg/Kg
Iodine	0.2 mg/Kg
Manganese	33 mg/Kg
Cobalt	No data
Zinc	50 mg/Kg
Molybdenum	0.15 mg/Kg
Selenium	0.3 mg/Kg
Cadmium	No data
Chromium	1 mg/Kg
Fluoride	1 mg/Kg
Lithium	0.1 mg/Kg
Boron	2 mg/Kg
Nickel	0.5 mg/Kg
Vanadium	0.1 mg/Kg

Calculated Essential Amino Acids as Fed	
Valine	1.26%
Leucine	1.80%
Isoleucine	0.87%
Threonine	0.79%
Methionine	0.84%
Cysteine	0.05%
Lysine	1.49%
Phenylalanine	1.00%
Tyrosine	1.02%
Histidine	0.6%
Tryptophan	0.27%



Calculated Total Vitamins as Fed	
Vitamin A (Retinol)	4 000 IU/Kg
Vitamin D (Cholecalciferol)	None Added
Vitamin E (a Tocopherol acetate)	76 mg/Kg
Vitamin K (Menadione)	1 mg/Kg
Vitamin C (Ascorbic acid)	None added
Vitamin B1 (Thiamine)	6.1 mg/Kg
Vitamin B2 (Riboflavin)	6.3 mg/Kg
Niacin (Nicotinic acid)	30 mg/Kg
Vitamin B6 (Pryridoxine)	7 mg/Kg
Pantothenic Acid	16 mg/Kg
Biotin	200 ug/Kg
Folic Acid	2 mg/Kg
Inositol	None added
Vitamin B12 (Cyancobalamin)	103 ug/Kg
Choline	1 470 mg/Kg

Calculated Fatty Acid Composition as Fed	
Saturated Fats C12:0 or less	0.07%
Myristic Acid 14:0	0.32%
Palmitic Acid 16:0	5.60%
Stearic Acid 18:0	3.60%
Palmitoleic Acid 16:1	0.40%
Oleic Acid 18:1	8.60%
Gadoleic Acid 20:1	0.20%
Linoleic Acid 18:2 n6	3.60%
a Linolenic Acid 18:3 n3	0.70%
EPA 20:5 n3	No data
DHA 22:6 n3	No data
Total n3	0.73%
Total n6	3.63%
Total Mono Unsaturated Fats	9.22%
Total Poly Unsaturated Fats	4.47%
Total Saturated Fats	9.82%

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.

