



## Diet

### SF12-029

### 5% fat modification of SF05-033

A semi-pure low fat diet formulation for laboratory rats and mice based on SF05-033.

- 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 reduced from 7-5% this has resulted in a lower digestible energy
- Wheat starch has been increased accordingly

Calculated Nutritional Parameters	
Protein	19.40%
Total Fat	5.00%
Crude Fibre	4.70%
AD Fibre	4.70%
Digestible Energy	15 MJ / Kg
% Total calculated digestible energy from lipids	12.60%
% Total calculated digestible energy from protein	23.00%

Diet Form and Features
<ul style="list-style-type: none"> <li>• Semi pure low fat diet. 12 mm diameter pellets.</li> <li>• 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.</li> <li>• Diet suitable for irradiation but not suitable for autoclave.</li> <li>• Lead time 2 weeks for non-irradiation or 4 weeks for irradiation.</li> <li>• Diet is light blue in colour</li> </ul>

Ingredients	
Casein (Acid)	200 g/Kg
Sucrose	100 g/Kg
Canola Oil	50 g/Kg
Cellulose	50 g/Kg
Wheat Starch	360 g/Kg
Dextrinised Starch	132 g/Kg
DL 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
Choline Chloride (75%)	2.5 g/Kg
Potassium Dihydrogen Phosphate	7.6 g/Kg
Magnesium Oxide	1.7 g/Kg
Modified AIN93 Vitamins No Added Vitamin D	10 g/Kg

Calculated Amino Acids	
Valine	1.26%
Leucine	1.80%
Isoleucine	0.87%
Threonine	0.79%
Methionine	0.84%
Cystine	0.05%
Lysine	1.49%
Phenylalanine	0.99%
Tyrosine	1.04%
Histidine	0.60%
Tryptophan	0.30%

Calculated Total Minerals	
Calcium	2.07%
Phosphorous	1.30%
Magnesium	0.23%
Sodium	0.15%
Chloride	0.16%
Potassium	0.40%
Sulphur	0.23%
Iron	117 mg/Kg
Copper	11 mg/Kg
Iodine	0.2 mg/Kg
Manganese	35 mg/Kg
Cobalt	No data
Zinc	51 mg/Kg
Molybdenum	0.15 mg/Kg
Selenium	0.3 mg/Kg
Cadmium	No data
Chromium	1.0 mg/Kg
Fluoride	1.0 mg/Kg
Lithium	0.1 mg/Kg
Boron	2.5 mg/Kg
Nickel	0.5 mg/Kg
Vanadium	0.1 mg/Kg

Calculated Total Vitamins	
Vitamin A (Retinol)	4 000 IU/Kg
Vitamin D (Cholecalciferol)	None Added
Vitamin E (a Tocopherol acetate)	77 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	17 mg/Kg
Biotin	200 ug/Kg
Folic Acid	2 mg/Kg
Inositol	None added
Vitamin B12 (Cyanocobalamin)	103 ug/Kg
Choline	1 470 mg/Kg

Calculated Fatty Acid Composition	
Saturated Fats C12:0 or less	Trace
Myristic Acid 14:0	Trace
Palmitic Acid 16:0	0.21%
Stearic Acid 18:0	0.10%
Palmitoleic Acid 16:1	0.01%
Oleic Acid 18:1	2.78%
Gadoleic Acid 20:1	0.05%
Linoleic Acid 18:2 n6	1.08%
a Linolenic Acid 18:3 n3	0.70%
EPA 20:5 n3	No data
DHA 22:6 n3	No data
Total n3	0.70%
Total n6	1.08%
Total Mono Unsaturated Fats	2.85%
Total Polyunsaturated Fats	1.78%
Total Saturated Fats	0.36%

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.