



## Diet SF06-079

## Modified AIN93M 10% Fat

A semi-pure diet formulation for laboratory rats and mice based on AIN-93M.

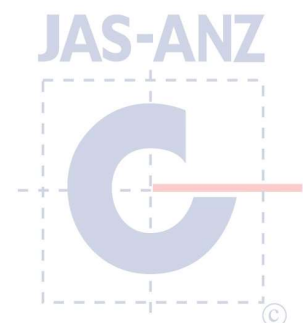
- Fat content has been increased to 10%
- Calculated energy data has increased as a result of increased fat inclusion

Calculated Nutritional Parameters	
Protein	13.60%
Total Fat	10.00%
Crude Fibre	4.70%
AD Fibre	4.70%
Digestible Energy	17 MJ / Kg
% Total calculated digestible energy from lipids	22.00%
% Total calculated digestible energy from protein	14.10%

Ingredients	
Casein (Acid)	140 g/Kg
Sucrose	100 g/Kg
Canola Oil	100 g/Kg
Cellulose	50 g/Kg
Wheat Starch	412 g/Kg
Dextrinised Starch	155 g/Kg
DL Methionine	1.8 g/Kg
Calcium Carbonate	13.1 g/Kg
Sodium Chloride	2.6 g/Kg
AIN93 Trace Minerals	1.4 g/Kg
Potassium Citrate	1.0 g/Kg
Potassium Dihydrogen Phosphate	8.8 g/Kg
Potassium Sulphate	1.6 g/Kg
Choline Chloride (75%)	2.5 g/Kg
AIN93 Vitamins	10 g/Kg

### Diet Form and Features

- Semi pure diet. 12 mm diameter pellets.
- 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.
- Diet suitable for irradiation but not suitable for autoclave.
- Lead time 2 weeks for non-irradiation or 4 weeks for irradiation.



Calculated Amino Acids	
Valine	0.88%
Leucine	1.26%
Isoleucine	0.61%
Threonine	0.56%
Methionine	0.56%
Cysteine	0.05%
Lysine	1.04%
Phenylalanine	0.70%
Tyrosine	0.70%
Tryptophan	0.20%
Histidine	0.42%

Calculated Total Minerals	
Calcium	0.46%
Phosphorous	0.34%
Magnesium	0.09%
Sodium	0.15%
Chloride	0.16%
Potassium	0.39%
Sulphur	0.17%
Iron	73 mg/Kg
Copper	6.8 mg/Kg
Iodine	0.2 mg/Kg
Manganese	19 mg/Kg
Cobalt	No data
Zinc	44 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	2.3 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)	1 000 IU/Kg
Vitamin E (a Tocopherol acetate)	79 mg/Kg
Vitamin K (Menadione)	1 mg/Kg
Vitamin C (Ascorbic acid)	None added
Vitamin B1 (Thiamine)	6.1 mg/Kg
Vitamin B2 (Riboflavin)	6.2 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 (Cyanocobalamin)	102 ug/Kg
Choline	1 450 mg/Kg

Calculated Fatty Acid Composition	
Saturated Fat C12:0 and less	0.02%
Myristic Acid 14:0	0.01%
Palmitic Acid 16:0	0.42%
Stearic Acid 18:0	0.19%
Arachidic Acid 20:0	0.05%
Palmitoleic Acid 16:1	0.03%
Oleic Acid 18:1	5.55%
Gadoleic Acid 20:1	0.10%
Linoleic Acid 18:2 n6	2.16%
a Linolenic Acid 18:3 n3	1.40%
Arachadonic Acid 20:4 n6	No data
Total n3	1.40%
Total n6	2.16%
Total Mono Unsaturated Fats	5.69%
Total Polyunsaturated Fats	3.57%
Total Saturated Fats	0.72%

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 Speciality Feeds.