



## Diet SF07-043

## Low Methyl Donor Rodent Diet

A semi-pure diet formulation for laboratory rats and mice based on AIN-93G. Some modifications have been made to the original formulation to suit locally available raw materials.

- This diet has been formulated to exclude any added methionine, choline, zinc, folate, and vitamin B12. There will however be trace amounts of these compounds present from the other raw materials.

Calculated Nutritional Parameters	
Protein	17.60%
Total Fat	7.00%
Total digestible carbohydrate as defined by FSA NZ Standard 1.2.8	57.3%
Crude Fibre	4.7%
AD Fibre	4.7%
Net Metabolisable Energy	14.1 MJ / Kg
Digestible Energy	15.6 MJ / Kg
% Total calculated digestible energy from lipids	16.0%
% Total calculated digestible energy from protein	19.0%

Ingredients	
Casein (Acid)	200 g/Kg
Sucrose	100 g/Kg
Canola Oil	70 g/Kg
Cellulose	50 g/Kg
Wheat Starch	410 g/Kg
Dextrinised Starch	132 g/Kg
Calcium Carbonate	13.1 g/Kg
Sodium Chloride	2.6 g/Kg
Modified AIN93 Trace Minerals No added Zinc	1.4 g/Kg
Potassium Citrate	2.5 g/Kg
Potassium Dihydrogen Phosphate	6.9 g/Kg
Potassium Sulphate	1.6 g/Kg
Modified AIN93 Vitamins No Folate, No B12	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.

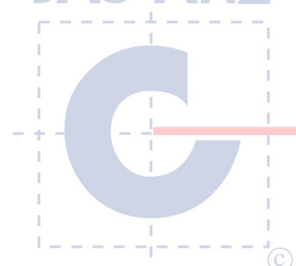
ACCREDITED  
FEED MANUFACTURER

JAS-ANZ

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Calculated Amino Acids	
Valine	1.20%
Leucine	1.90%
Isoleucine	0.97%
Threonine	0.74%
Methionine	0.69%
Cystine	0.17%
Lysine	1.70%
Phenylalanine	0.97%
Tyrosine	1.10%
Tryptophan	0.23%
Arginine	0.69%
Histidine	0.46%

Calculated Total Minerals	
Calcium	0.47%
Phosphorous	0.35%
Magnesium	0.09%
Sodium	0.15%
Chloride	0.16%
Potassium	0.40%
Sulphur	0.16%
Iron	80 mg/Kg
Copper	6.7 mg/Kg
Iodine	0.2 mg/Kg
Manganese	18 mg/Kg
Cobalt	No data
Zinc	8.5 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	2.4 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)	78 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	16.5 mg/Kg
Biotin	200 ug/Kg
Folic Acid	0.04 mg/Kg
Inositol	None added
Vitamin B12 (Cyanocobalamin)	2.8 ug/Kg
Choline	300 mg/Kg

Calculated Fatty Acid Composition	
Myristic Acid 14:0	Trace
Palmitic Acid 16:0	0.30%
Stearic Acid 18:0	0.14%
Palmitoleic Acid 16:1	0.02%
Oleic Acid 18:1	3.89%
Gadoleic Acid 20:1	0.07%
Linoleic Acid 18:2 n6	1.51%
a Linolenic Acid 18:3 n3	0.98%
Arachadonic Acid 20:4 n6	No data
EPA 20:5 n3	No data
DHA 22:6 n3	No data
Total n3	0.98%
Total n6	1.51%
Total Mono Unsaturated Fats	3.98%
Total Polyunsaturated Fats	2.50%
Total Saturated Fats	0.50%

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.

