



## Diet SF12-056

## Low Selenium Modification of AIN93G Rodent Diet

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

- Selenium has been excluded from the mineral premix. The selenium data provided is from typical raw materials the actual level of selenium in the final diet has not been tested.
- Higher purity minerals have been selected to reduce trace level contamination of this mineral.

### Calculated Nutritional Parameters as Fed

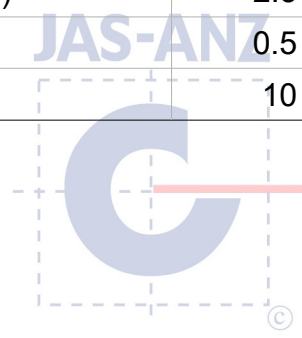
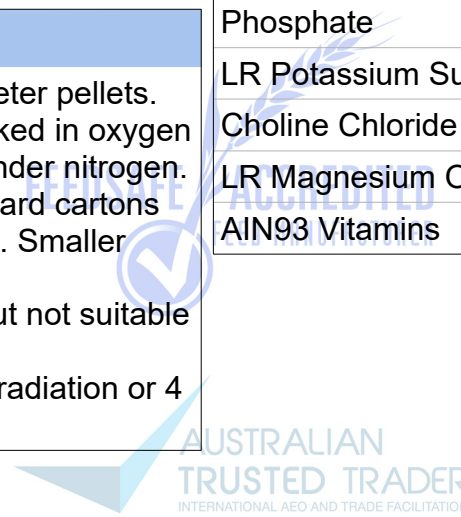
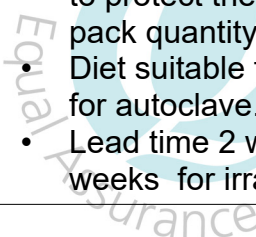
Protein	17.9%
Total Fat	7.0%
Total Digestible Carbohydrate as defined by FSANZ Standard 1.2.8	57.9%
Crude Fibre	4.7%
AD Fibre	4.7%
Net Metabolisable Energy	14.5 MJ / Kg
Digestible Energy	16.0 MJ / Kg
% Total calculated digestible energy from lipids	16.0%
% Total calculated digestible energy from protein	19.0%

### Ingredients

Casein (Acid)	200 g/Kg
Sucrose	100 g/Kg
Canola Oil	70 g/Kg
Cellulose	50 g/Kg
Wheat Starch	407 g/Kg
Dextrinised Starch	132 g/Kg
L Methionine	3.0 g/Kg
LR Calcium Carbonate	10.4 g/Kg
Sodium Chloride	2.6 g/Kg
AIN93 Trace Minerals No Added Selenium	1.4 g/Kg
LR Potassium Citrate	2.5 g/Kg
LR Potassium Dihydrogen Phosphate	6.9 g/Kg
LR Potassium Sulphate	1.6 g/Kg
Choline Chloride (75%)	2.5 g/Kg
LR Magnesium Oxide	0.5 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 as Fed	
Valine	1.20%
Leucine	1.80%
Isoleucine	1.00%
Threonine	0.80%
Methionine	0.89%
Cystine	0.06%
Lysine	1.60%
Phenylalanine	1.00%
Tyrosine	1.20%
Tryptophan	0.20%
Arginine	0.60%
Histidine	0.40%

Calculated Total Vitamins as Fed	
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	2 mg/Kg
Inositol	None added
Vitamin B12 (Cyanocobalamin)	103 ug/Kg
Choline	2 100 mg/Kg

Calculated Total Minerals as Fed	
Calcium	0.45%
Phosphorous	0.35%
Magnesium	0.09%
Sodium	0.14%
Chloride	0.16%
Potassium	0.39%
Sulphur	0.23%
Iron	48 mg/Kg
Copper	6.9 mg/Kg
Iodine	0.2 mg/Kg
Manganese	16 mg/Kg
Cobalt	No data
Zinc	46 mg/Kg
Molybdenum	0.15 mg/Kg
Selenium	0.07 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 Fatty Acid Composition as fed	
Myristic Acid 14:0	Trace
Palmitic Acid 16:0	0.30%
Stearic Acid 18:0	0.14%
Palmitoleic Acid 16:1	Trace
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.