



Diet SF15-059 23% Fat, High Simple Carbohydrate 0.19% Cholesterol Semi-Pure Rodent Diet

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

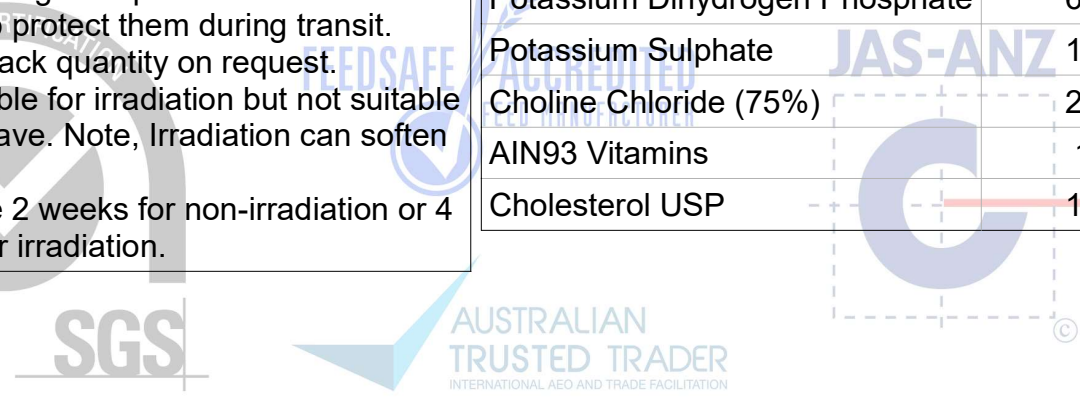
- The fat content has been increased to 23%, sucrose content has been increased to improve pellet strength and starch content has been reduced.
- Cholesterol has been added at 0.19%.
- Banana flavouring has been added at 4.5 g/Kg to improve palatability.
- We have evidence that vitamin losses and other changes to the diet can occur during the irradiation process at 25KGy. Please contact us for more information if the diet is to be irradiated.

| Calculated Nutritional Parameters | |
|---|------------|
| Protein | 19.40% |
| Total Fat | 23.00% |
| Crude Fibre | 4.70% |
| AD Fibre | 4.70% |
| Digestible Energy | 20 MJ / Kg |
| % Total calculated digestible energy from lipids | 43.00% |
| % Total calculated digestible energy from protein | 17.00% |

Diet Form and Features

- Semi pure diet. 12 mm diameter pellets.
- Pack size 1.5 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. Note, Irradiation can soften pellets.
- Lead time 2 weeks for non-irradiation or 4 weeks for irradiation.

| Ingredients | |
|------------------------------------|-----------|
| Casein (Acid) | 200 g/Kg |
| Sucrose | 424g/Kg |
| Canola Oil | 50 g/Kg |
| Cocoa Butter | 50 g/Kg |
| Hydrogenated Vegetable Oil (Copha) | 131 g/Kg |
| Cellulose | 50 g/Kg |
| Pregelld Wheat Starch | 50 g/Kg |
| L Methionine | 3.0 g/Kg |
| Calcium Carbonate | 13.1 g/Kg |
| Sodium Chloride | 2.6 g/Kg |
| AIN93 Trace Minerals | 1.4 g/Kg |
| Potassium Citrate | 2.5 g/Kg |
| Potassium Dihydrogen Phosphate | 6.9 g/Kg |
| Potassium Sulphate | 1.6 g/Kg |
| Choline Chloride (75%) | 2.5 g/Kg |
| AIN93 Vitamins | 10 g/Kg |
| Cholesterol USP | 1.9 g/Kg |



| Calculated Essential Amino Acids as Fed | |
|---|-------|
| Valine | 1.26% |
| Leucine | 1.80% |
| Isoleucine | 0.90% |
| Threonine | 0.80% |
| Methionine | 0.80% |
| Cysteine | 0.06% |
| Lysine | 1.50% |
| Phenylalanine | 1.00% |
| Tyrosine | 1.00% |
| Tryptophan | 0.30% |
| Histidine | 0.60% |

| Calculated Total Vitamins as Fed | |
|----------------------------------|-------------|
| Vitamin A (Retinol) | 4 000 IU/Kg |
| Vitamin D (Cholecalciferol) | 1 000 IU/Kg |
| Vitamin E (a Tocopherol acetate) | 80 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) | 7.2 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 | 1 470 mg/Kg |

| Calculated Total Minerals as Fed | |
|----------------------------------|------------|
| Calcium | 0.47% |
| Phosphorous | 0.32% |
| Magnesium | 0.09% |
| Sodium | 0.12% |
| Chloride | 0.16% |
| Potassium | 0.40% |
| Sulphur | 0.22% |
| Iron | 73 mg/Kg |
| Copper | 7.1 mg/Kg |
| Iodine | 0.2 mg/Kg |
| Manganese | 19 mg/Kg |
| Cobalt | No data |
| Zinc | 52 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 | 2.1 mg/Kg |
| Nickel | 0.5 mg/Kg |
| Vanadium | 0.1 mg/Kg |

| Calculated Fatty Acid Composition as Fed | |
|--|---------|
| Saturated fats C12 or Less | 6.77% |
| Myristic Acid 14:0 | 1.80% |
| Palmitic Acid 16:0 | 3.11% |
| Stearic Acid 18:0 | 3.05% |
| Oleic Acid 18:1 | 5.70% |
| Gadoleic Acid 20:1 | 0.07% |
| Linoleic Acid 18:2 n6 | 1.50% |
| a Linolenic Acid 18:3 n3 | 0.74% |
| EPA 20:5 n3 | No data |
| DHA 22:6 n3 | No data |
| Total n3 | 0.74% |
| Total n6 | 1.50% |
| Total Saturated Fats | 14.93% |
| Total Monosaturated Fats | 5.89% |
| Total Polyunsaturated Fat | 2.24% |
| Cholesterol | 0.19% |

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.