



Diet SF02-020 0.02% Sodium, 0.05% Chloride Semi-Pure Rodent Diet

A fixed formulation semi pure diet based on AIN93G rat and mouse, modified to reduce sodium content but retain chloride above generally recognised minimum levels.

- The macro mineral and trace mineral additions to this diet have been selected to minimise sodium and chlorine. A small amount of sodium is present in the casein and starch components of the formulation.
- Sodium chloride is added back to the low Na base diet to control Na content at 0.02%.
- Potassium Chloride is added to adjust Cl content to greater than generally recognised minimum
- Feeding studies indicate that the diet is deficient in sodium for conventional mouse strains.
- See also diet SF01-030.

| Calculated Nutritional Parameters | |
|---|--------------|
| Protein | 19.40% |
| Total Fat | 7.00% |
| Crude Fibre | 4.70% |
| AD Fibre | 4.70% |
| Digestible Energy | 16.3 MJ / Kg |
| % Total calculated digestible energy from lipids | 16.00% |
| % Total calculated digestible energy from protein | 21.00% |

| Diet Form and Features |
|---|
| <ul style="list-style-type: none"> • 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. |

| Ingredients | |
|-----------------------------------|-----------|
| Casein (Acid) | 200 g/Kg |
| Sucrose | 100 g/Kg |
| Canola Oil | 70 g/Kg |
| Cellulose | 50 g/Kg |
| Wheat Starch | 540 g/Kg |
| DL Methionine | 3.0 g/Kg |
| LR Calcium Carbonate | 11.1 g/Kg |
| LR Sodium Chloride | 0.3 g/Kg |
| AIN93 Trace Minerals | 1.4 g/Kg |
| LR Potassium Dihydrogen Phosphate | 7.7 g/Kg |
| LR Potassium Sulphate | 1.6 g/Kg |
| LR Potassium Chloride | 1.1 g/Kg |
| Choline Chloride (75%) | 2.5 g/Kg |
| AIN93 Vitamins | 10 g/Kg |

| Calculated Amino Acids | |
|------------------------|-------|
| Valine | 1.30% |
| Leucine | 1.80% |
| Isoleucine | 0.90% |
| Threonine | 0.80% |
| Methionine | 0.80% |
| Cystine | 0.06% |
| Lysine | 1.50% |
| Phenylalanine | 1.00% |
| Tyrosine | 1.00% |
| Histidine | 0.60% |
| Tryptophan | 0.30% |

| Calculated Total Minerals | |
|---------------------------|------------|
| Calcium | 0.48% |
| Phosphorous | 0.34% |
| Magnesium | 0.07% |
| Sodium | 0.02% |
| Chloride | 0.07% |
| Potassium | 0.44% |
| Sulphur | 0.25% |
| Iron | 54 mg/Kg |
| Copper | 6.9 mg/Kg |
| Iodine | 0.2 mg/Kg |
| Manganese | 24 mg/Kg |
| Cobalt | No data |
| Zinc | 54 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 Total Vitamins | |
|----------------------------------|-------------|
| Vitamin A (Retinol) | 4 000 IU/Kg |
| Vitamin D (Cholecalciferol) | 1 000 IU/Kg |
| Vitamin E (a Tocopherol acetate) | 75 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 | 1 670 mg/Kg |

| Calculated Fatty Acid Composition | |
|-----------------------------------|---------|
| Myristic Acid 14:0 | No data |
| Palmitic Acid 16:0 | 0.40% |
| Stearic Acid 18:0 | 0.10% |
| Palmitoleic Acid 16:1 | No data |
| Oleic Acid 18:1 | 4.20% |
| Gadoleic Acid 20:1 | 0.10% |
| 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 | 4.30% |
| Total Polyunsaturated Fats | 2.11% |
| Total Saturated Fats | 0.49% |

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.