



Diet SF12-040

Non Auto Florescent Modification of AIN93G

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.

- Cellulose has been excluded from this ration
- Wheat starch has been increased to make up the balance
- This diet has been shown not to be auto florescent. Please contact Specialty Feeds for more details.

Calculated Nutritional Parameters

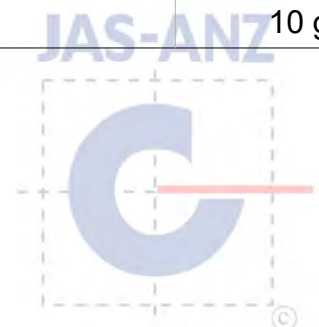
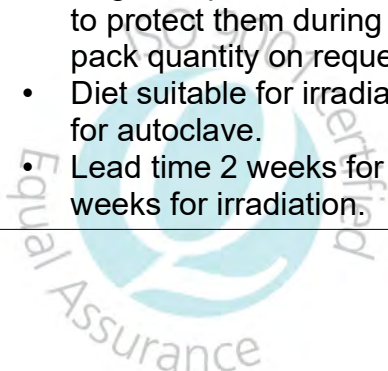
| | |
|---|--------------|
| Protein | 19.4% |
| Total Fat | 7.0% |
| Crude Fibre | 0.0% |
| AD Fibre | 0.0% |
| Digestible Energy | 16.1 MJ / Kg |
| % Total calculated digestible energy from lipids | 16.0% |
| % Total calculated digestible energy from protein | 21.0% |

Ingredients

| | |
|--------------------------------|-----------|
| Casein (Acid) | 200 g/Kg |
| Sucrose | 100 g/Kg |
| Canola Oil | 70 g/Kg |
| Wheat Starch | 454 g/Kg |
| Dextrinised Starch | 132 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 |

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 Essential Amino Acids as Fed | |
|---|-------|
| Valine | 1.26% |
| Leucine | 1.80% |
| Isoleucine | 0.87% |
| Threonine | 0.79% |
| Methionine | 0.84% |
| Cysteine | 0.05% |
| Lysine | 1.49% |
| Phenylalanine | 0.99% |
| Tyrosine | 1.04% |
| Tryptophan | 0.27% |
| 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) | 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 | 1 470 mg/Kg |

| Calculated Total Minerals as Fed | |
|----------------------------------|------------|
| Calcium | 0.47% |
| Phosphorous | 0.35% |
| Magnesium | 0.08% |
| Sodium | 0.15% |
| Chloride | 0.16% |
| Potassium | 0.40% |
| Sulphur | 0.23% |
| Iron | 68 mg/Kg |
| Copper | 7.0 mg/Kg |
| Iodine | 0.2 mg/Kg |
| Manganese | 19 mg/Kg |
| Cobalt | No data |
| Zinc | 46 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 | 3.3 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 | 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 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.