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**Diet**
**SF11-015**

# Modified AIN93G Rodent Diet 40% Cellulose

A semi-pure diet formulation for laboratory rats and mice based on AIN-93G.
- All CHO has been replaced with Wheat starch.
- Cellulose has been increased to 40%

| Calculated Nutritional Parameters | |
|---|---|
| Protein | 12.3% |
| Total Fat | 4.4% |
| Crude Fibre | 37.2% |
| AD Fibre | 37.2% |
| Digestible Energy | 11 MJ / Kg |
| % Total calculated digestible energy from lipids | 15.0% |
| % Total calculated digestible energy from protein | 19.5% |
| % Total calculated digestible energy from carbohydrate | 58.3% |

| Ingredients | |
|---|---|
| Casein (Acid) | 126 g/Kg |
| Wheat Starch | 402 g/Kg |
| Canola Oil | 44 g/Kg |
| Cellulose | 400 g/Kg |
| L Methionine | 1.9 g/Kg |
| Calcium Carbonate | 8.3 g/Kg |
| Sodium Chloride | 1.6 g/Kg |
| AIN93 Trace Minerals | 0.9 g/Kg |
| Potassium Citrate | 1.6 g/Kg |
| Potassium Dihydrogen Phosphate | 4.4 g/Kg |
| Potassium Sulphate | 1.0 g/Kg |
| Choline Chloride (75%) | 1.6 g/Kg |
| AIN93 Vitamins | 6.3 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 | 0.80% |
| Leucine | 1.14% |
| Isoleucine | 0.55% |
| Threonine | 0.50% |
| Methionine | 0.53% |
| Cystine | 0.03% |
| Lysine | 0.94% |
| Phenylalanine | 0.62% |
| Tyrosine | 0.66% |
| Histidine | 0.38% |
| Tryptophan | 0.17% |

| Calculated Total Minerals as Fed | |
|---|---|
| Calcium | 0.30% |
| Phosphorous | 0.24% |
| Magnesium | 0.07% |
| Sodium | 0.10% |
| Chloride | 0.10% |
| Potassium | 0.27% |
| Sulphur | 0.15% |
| Iron | 66 mg/Kg |
| Copper | 6.8 mg/Kg |
| Iodine | 0.1 mg/Kg |
| Manganese | 23 mg/Kg |
| Cobalt | No data |
| Zinc | 31 mg/Kg |
| Molybdenum | 0.1 mg/Kg |
| Selenium | 0.2 mg/Kg |
| Cadmium | No data |
| Chromium | 0.6 mg/Kg |
| Fluoride | 0.6 mg/Kg |
| Lithium | 0.06 mg/Kg |
| Boron | 1.4 mg/Kg |
| Nickel | 0.3 mg/Kg |
| Vanadium | 0.06 mg/Kg |

| Calculated Total Vitamins as Fed | |
|---|---|
| Vitamin A (Retinol) | 2 520 IU/Kg |
| Vitamin D (Cholecalciferol) | 630 IU/Kg |
| Vitamin E (a Tocopherol acetate) | 49 mg/Kg |
| Vitamin K (Menadione) | 0.6 mg/Kg |
| Vitamin C (Ascorbic acid) | None added |
| Vitamin B1 (Thiamine) | 3.8 mg/Kg |
| Vitamin B2 (Riboflavin) | 4.0 mg/Kg |
| Niacin (Nicotinic acid) | 19 mg/Kg |
| Vitamin B6 (Pryridoxine) | 4.5 mg/Kg |
| Pantothenic Acid | 10.4 mg/Kg |
| Biotin | 126 ug/Kg |
| Folic Acid | 1.3 mg/Kg |
| Inositol | None added |
| Vitamin B12 (Cyancobalamin) | 65 ug/Kg |
| Choline | 930 mg/Kg |

| Calculated Fatty Acid Composition as Fed | |
|---|---|
| Myristic Acid 14:0 | Trace |
| Palmitic Acid 16:0 | 0.19% |
| Stearic Acid 18:0 | 0.09% |
| Palmitoleic Acid 16:1 | No data |
| Oleic Acid 18:1 | 2.45% |
| Gadoleic Acid 20:1 | 0.05% |
| Linoleic Acid 18:2 n6 | 0.95% |
| a Linolenic Acid 18:3 n3 | 0.62% |
| Arachadonic Acid 20:4 n6 | No data |
| EPA 20:5 n3 | No data |
| DHA 22:6 n3 | No data |
| Total n3 | 0.62% |
| Total n6 | 0.95% |
| Total Mono Unsaturated Fats | 2.52% |
| Total Polyunsaturated Fats | 1.58% |
| Total Saturated Fats | 0.32% |

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.