



## Diet SF01-032 Low Sulphur Modification of AIN93G Rodent Diet

A semi-pure low sulphur modification of AIN93G formulated for laboratory rats and mice.

- Gelatin has been used in conjunction with casein as protein sources.
- In addition Tryptophan has been added as a pure amino acid to satisfy the minimum NRC recommendation for rodents.
- While the change in protein source has resulted in several deviations from AIN93G, all nutritional parameters except Sulphur are within NRC recommendation for rats and mice.

Calculated Nutritional Parameters	
Protein	20.00%
Total Fat	7.00%
Crude Fibre	4.70%
AD Fibre	4.70%
Digestible Energy	16.1 MJ / Kg
% Total calculated digestible energy from lipids	15.9%
% Total calculated digestible energy from protein	21.4%

Diet Form and Features
<ul style="list-style-type: none"> <li>• Semi pure diet. 12 mm diameter pellets.</li> <li>• 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.</li> <li>• Diet suitable for irradiation but not suitable for autoclave.</li> <li>• Lead time 2 weeks for non-irradiation or 4 weeks for irradiation.</li> </ul>

Ingredients	
Casein (Acid)	90 g/Kg
Gelatin	128 g/Kg
Sucrose	100 g/Kg
Canola Oil	70 g/Kg
Cellulose	50 g/Kg
Wheat Starch	389 g/Kg
Dextrinised Starch	132 g/Kg
Tryptophan	2.0 g/Kg
Calcium Carbonate	12.9 g/Kg
Sodium Chloride	2.6 g/Kg
Magnesium Oxide	0.02 g/Kg
AIN93 Trace Minerals	1.4 g/Kg
Potassium Citrate	0.9 g/Kg
Potassium Dihydrogen Phosphate	10 g/Kg
Choline Chloride (75%)	2.5 g/Kg
AIN93 Vitamins	10 g/Kg

Calculated Amino Acids	
Valine	0.80%
Leucine	1.20%
Isoleucine	0.60%
Threonine	0.60%
Methionine	0.30%
Cystine	0.04%
Lysine	1.10%
Phenylalanine	0.80%
Tyrosine	0.50%
Tryptophan	0.30%

Calculated Total Minerals	
Calcium	0.48%
Phosphorous	0.32%
Magnesium	0.09%
Sodium	0.10%
Chloride	0.16%
Potassium	0.35%
Sulphur	0.21%
Iron	73 mg/Kg
Copper	7.1 mg/Kg
Iodine	0.2 mg/Kg
Manganese	25 mg/Kg
Cobalt	No data
Zinc	48 mg/Kg
Molybdenum	0.15 mg/Kg
Selenium	0.4 mg/Kg
Cadmium	No data
Chromium	1.0 mg/Kg
Fluoride	1.0 mg/Kg
Lithium	0.1 mg/Kg
Boron	3.4 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)	100 ug/Kg
Choline	1640 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	Trace
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.