



## Diet **Low Sodium Low Chloride Modification of AIN93G** **SF01-030** **Rodent Diet**

A semi-pure low sodium, low chloride modification of AIN93G formulated for laboratory rats and mice.

- 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. Further reductions in Sodium may be possible by careful selection of protein and carbohydrate sources in the diet manufacture. Please contact us if you would like a lower Sodium content.
- Feeding studies indicate that the diet is deficient in sodium for conventional mouse strains.
- If an analytical technique is used that mimics the digestive system of rodents (overnight digestion at pH 1.5) sodium is usually estimated at less than 0.005 g / 100 g feed. However if a more aggressive digestion procedure is used (concentrated Nitric acid under oxidising conditions) results are usually in the range of 0.02 - 0.05g Na / 100 g feed.

Calculated Nutritional Parameters	
Protein	20.00%
Total Fat	7.00%
Crude Fibre	4.70%
AD Fibre	4.70%
Digestible Energy	16.3 MJ / Kg
% Total calculated digestible energy from lipids	16.0%
% Total calculated digestible energy from protein	21.0%

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)	200 g/Kg
Sucrose	100 g/Kg
Canola Oil	70 g/Kg
Cellulose	50 g/Kg
Wheat Starch	541 g/Kg
DL Methionine	3.0 g/Kg
LR Calcium Carbonate	11.1 g/Kg
AIN93 Trace Minerals	1.4 g/Kg
LR Potassium Dihydrogen Phosphate	7.7 g/Kg
LR Potassium Sulphate	2.9 g/Kg
Choline Chloride (75%)	2.5 g/Kg
AIN93 Vitamins	10 g/Kg

Calculated Amino Acids	
Valine	1.10%
Leucine	1.70%
Isoleucine	1.00%
Threonine	0.70%
Methionine	0.70%
Cystine	0.05%
Lysine	1.50%
Phenylalanine	0.90%
Tyrosine	1.00%
Histidine	0.60%
Tryptophan	0.10%

Calculated Total Minerals	
Calcium	0.47%
Phosphorous	0.32%
Magnesium	0.07%
Sodium	0.04%
Chloride	0.04%
Potassium	0.38%
Sulphur	0.25%
Iron	70 mg/Kg
Copper	6.5 mg/Kg
Iodine	0.2 mg/Kg
Manganese	20 mg/Kg
Cobalt	No data
Zinc	40 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	3.0 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 (Cyancobalamin)	100 ug/Kg
Choline	1 600 mg/Kg

Calculated Fatty Acid Composition	
Myristic Acid 14:0	Trace
Palmitic Acid 16:0	0.30%
Stearic Acid 18:0	0.10%
Palmitoleic Acid 16:1	No data
Oleic Acid 18:1	4.20%
Gadoleic Acid 20:1	Trace
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 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.