



Diet SF02-009 Low Thiamine Modification of AIN93G Rodent Diet

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

- Sodium caseinate has been used as the protein source due to the lower Thiamine content.
- Salt addition has been reduced to account for increased sodium content of caseinate. The sodium content of the diet is however higher than that in AIN93G, this was required to satisfy the minimum chloride requirements.
- The vitamin premix has been modified excluding any added Thiamine.

Calculated Nutritional Parameters	
Protein	18.80%
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%

Ingredients	
Sodium Caseinate (Alanate 180)	200 g/Kg
Sucrose	100 g/Kg
Canola Oil	70 g/Kg
Cellulose	50 g/Kg
Maize Starch	406 g/Kg
Dextrinised Starch	132 g/Kg
DL Methionine	3.0 g/Kg
Calcium Carbonate	13.1 g/Kg
Sodium Chloride	1.1 g/Kg
AIN93 Trace Minerals	1.4 g/Kg
Potassium Dihydrogen Phosphate	6.9 g/Kg
Potassium Citrate	2.5 g/Kg
Potassium Sulphate	1.6 g/Kg
Choline Chloride (75%)	2.5 g/Kg
AIN93 Vitamins No Thiamine	10 g/Kg

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.

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%
Tryptophan	0.30%

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)	0.01 mg/Kg
Vitamin B2 (Riboflavin)	6.4 mg/Kg
Niacin (Nicotinic acid)	30 mg/Kg
Vitamin B6 (Pryridoxine)	7 mg/Kg
Pantothenic Acid	16. mg/Kg
Biotin	200 ug/Kg
Folic Acid	2 mg/Kg
Inositol	None added
Vitamin B12 (Cyanocobalamin)	100 ug/Kg
Choline	1670 mg/Kg

Calculated Total Minerals	
Calcium	0.46%
Phosphorous	0.30%
Magnesium	0.09%
Sodium	0.30%
Chloride	0.07%
Potassium	0.40%
Sulphur	0.24%
Iron	73 mg/Kg
Copper	6.8 mg/Kg
Iodine	0.2 mg/Kg
Manganese	25 mg/Kg
Cobalt	No data
Zinc	50 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	2.2 mg/Kg
Nickel	0.55 mg/Kg
Vanadium	0.1 mg/Kg

Calculated Fatty Acid Composition	
Myristic Acid 14:0	No data
Palmitic Acid 16:0	0.40%
Stearic Acid 18:0	0.20%
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	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.