



Diet SF01-026 Low Protein Modification of AIN93G Rodent Diet

A semi-pure low protein modification of AIN93G.

- Protein concentration has been reduced from 20% to 8%.
- As a result of the reduction in protein the calculated energy has reduced by around 4%.
- No other changes were made to the standard semi-pure diet, see data sheet for AIN93G for further information.
- THIS DIET DOES NOT MEET MINIMUM RECOMMENDATIONS FOR AMINO ACIDS

Calculated Nutritional Parameters	
Protein	8.00%
Total Fat	7.00%
Total digestible carbohydrate as defined by FSA NZ Standard 1.2.8	68.7%
Crude Fibre	4.70%
AD Fibre	4.70%
Net Metabolisable Energy	14.8 MJ / Kg
Digestible Energy	16.0 MJ / Kg
% Total calculated energy from lipids	16.0% DE 17.0% NME
% Total calculated energy from protein	8.0% DE 7.0% NME

Ingredients	
Casein (Acid)	87 g/Kg
Sucrose	200 g/Kg
Canola Oil	70 g/Kg
Cellulose	50 g/Kg
Wheat Starch	417 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 Amino Acids		
	Recommended Minimum	Level in Diet
Valine	0.74%	0.52%
Leucine	1.07%	0.82%
Isoleucine	0.62%	0.42%
Threonine	0.62%	0.32%
Methionine*	0.98%	0.59%
Cystine		0.03%
Lysine	0.92%	0.72%
Phenylalanine°	1.02%	0.42%
Tyrosine		0.52%
Tryptophan	0.20%	0.10%
Arginine		0.30%
Histidine	0.28%	0.20%

Calculated Total Minerals as Fed	
Calcium	0.47%
Phosphorous	0.24%
Magnesium	0.07%
Sodium	0.14%
Chloride	0.16%
Potassium	0.39%
Sulphur	0.16%
Iron	66 mg/Kg
Copper	6.8 mg/Kg
Iodine	0.2 mg/Kg
Manganese	25 mg/Kg
Cobalt	No data
Zinc	42 mg/Kg
Molybdenum	0.15 mg/Kg
Selenium	0.21 mg/Kg
Cadmium	No data
Chromium	1.0 mg/Kg
Fluoride	1.0 mg/Kg
Lithium	0.1 mg/Kg
Boron	1.9 mg/Kg
Nickel	0.5 mg/Kg
Vanadium	0.1 mg/Kg

*One half of L-Methionine can be replaced with L-Cystine

°One Half of L-Phenalanine can be replaced with L-Tyrosine

Arginine is considered conditionally essential.



Calculated Total Vitamins as Fed		Calculated Fatty Acid Composition as Fed	
Vitamin A (Retinol)	4 000 IU/Kg	Myristic Acid 14:0	Trace
Vitamin D (Cholecalciferol)	1 000 IU/Kg	Palmitic Acid 16:0	0.30%
Vitamin E (a Tocopherol acetate)	78 mg/Kg	Stearic Acid 18:0	0.14%
Vitamin K (Menadione)	1 mg/Kg	Palmitoleic Acid 16:1	Trace
Vitamin C (Ascorbic acid)	None added	Oleic Acid 18:1	3.90%
Vitamin B1 (Thiamine)	6.0 mg/Kg	Gadoleic Acid 20:1	0.07%
Vitamin B2 (Riboflavin)	6.0 mg/Kg	Linoleic Acid 18:2 n6	1.50%
Niacin (Nicotinic acid)	30 mg/Kg	a Linolenic Acid 18:3 n3	0.98%
Vitamin B6 (Pryridoxine)	7 mg/Kg	Arachadonic Acid 20:4 n6	No data
Pantothenic Acid	16.2 mg/Kg	EPA 20:5 n3	No data
Biotin	200 ug/Kg	DHA 22:6 n3	No data
Folic Acid	2 mg/Kg	Total n3	0.98%
Inositol	None added	Total n6	1.51%
Vitamin B12 (Cyanocobalamin)	100 ug/Kg	Total Mono Unsaturated Fats	3.98%
Choline	1 600 mg/Kg	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.

