



Diet SF06-016 Zinc Limiting Modification of AIN93G Rodent Diet

A semi-pure diet formulation for laboratory rats and mice based on AIN-93G. Raw materials were selected to minimise zinc content.

- Casein was replaced with whey protein isolate at same inclusion rate.
- Recent analysis by TSW in April 2012 reported Zinc levels at 2.9 mg/Kg.

Calculated Nutritional Parameters		Ingredients	
Protein	18.10%	Whey Protein Isolate	200 g/Kg
Total Fat	7.00%	Canola Oil	70 g/Kg
Crude Fibre	4.70%	Cellulose	50 g/Kg
AD Fibre	4.70%	Wheat Starch	431g/Kg
Digestible Energy	16.0 MJ / Kg	Dextrinised Starch	200 g/Kg
% Total calculated digestible energy from lipids	16.00%	DL Methionine	3.0 g/Kg
% Total calculated digestible energy from protein	21.00%	LR Calcium Carbonate	13.1 g/Kg
		Sodium Chloride	2.6 g/Kg
		Modified AIN93 Trace Minerals No Zinc	1.4 g/Kg
		Potassium Citrate	2.5 g/Kg
		LR Potassium Dihydrogen Phosphate	11 g/Kg
		LR Potassium Sulphate	3.8 g/Kg
		Choline Chloride (75%)	2.5 g/Kg
		AIN93 Vitamins	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	1.20%
Leucine	2.10%
Isoleucine	1.30%
Threonine	1.40%
Methionine	0.80%
Cystine	0.50%
Lysine	1.90%
Phenylalanine	0.60%
Tyrosine	0.60%
Histidine	0.32%
Tryptophan	0.40%

Calculated Total Minerals	
Calcium	0.50%
Phosphorous	0.30%
Magnesium	0.07%
Sodium	0.16%
Chloride	0.16%
Potassium	0.60%
Sulphur	0.16%
Iron	68 mg/Kg
Copper	6.6 mg/Kg
Iodine	0.3 mg/Kg
Manganese	15 mg/Kg
Cobalt	No data
Zinc	<3 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	3.3 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)	78 mg/Kg
Vitamin K (Menadione)	1 mg/Kg
Vitamin C (Ascorbic acid)	None added
Vitamin B1 (Thiamine)	6.0 mg/Kg
Vitamin B2 (Riboflavin)	6.0 mg/Kg
Niacin (Nicotinic acid)	30 mg/Kg
Vitamin B6 (Pryridoxine)	7 mg/Kg
Pantothenic Acid	16.0 mg/Kg
Biotin	200 ug/Kg
Folic Acid	2 mg/Kg
Inositol	None added
Vitamin B12 (Cyanocobalamin)	100 ug/Kg
Choline	1610 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	Trace
Oleic Acid 18:1	0.39%
Gadoleic Acid 20:1	0.10%
Linoleic Acid 18:2 n6	1.50%
a Linolenic Acid 18:3 n3	1.00%
EPA 20:5 n3	No data
DHA 22:6 n3	No data
Total n3	1.00%
Total n6	1.50%
Total Carotenoid	No data
Total Phospholipid	No data
Cholesterol	No data

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.

