Specialty Feeds

3150 Great Eastern Hwy
Glen Forrest
Western Australia 6071
p: +61 8 9298 8111
F: +61 8 9298 8700
Email: info@specialtyfeeds.com

Diet
SF08-020

Standard AIN93M Rodent Diet Plus Extra Vitamins

A semi-pure diet formulation for laboratory rats and mice based on AIN-93M with extra vitamins.

- We have become increasingly concerned about the effects of irradiation on vitamins in diets based on AIN93. We have some evidence of an apparent deficiency in pregnant rats and mice when these diets have been irradiated at 25 KGy. We have been able to overcome this problem by increasing the vitamin inclusion rates.
- Diet designed to be isocaloric with diets SF11-087 and SF11-088

Calculated Nutritional Parameters

Protein	13.6%
Total Fat	4.0%
Total Carbohydrate	64.4%
Crude Fibre	4.7%
AD Fibre	4.7%
Digestible Energy	15.5 MJ / Kg
Net Metabolisable Energy	13.7 MJ / Kg
% Total calculated digestible energy from lipids	9.0%
% Total calculated Net Metabolisable Energy from Lipids	10.7%
% Total calculated digestible energy from protein	15.0%
% Total calculated Net Metabolisable Energy from Protein	13.8%

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 for protection 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.

Ingredients	
Casein (Acid)	140 g/Kg
Sucrose	100 g/Kg
Canola Oil	40 g/Kg
Cellulose	50 g/Kg
Wheat Starch	472 g/Kg
Dextrinised Starch	155 g/Kg
DL Methionine	1.8 g/Kg
Calcium Carbonate	13.1 g/Kg
Sodium Chloride	2.6 g/Kg
AIN93 Trace Minerals	1.4 g/Kg
Potassium Citrate	1.0 g/Kg
Potassium Dihydrogen Phosphate	8.8 g/Kg
Potassium Sulphate	1.6 g/Kg
Choline Chloride (75%)	2.5 g/Kg
AIN93 Vitamins	15 g/Kg
Vitamin K (0.23%)	0.9 g/Kg

Calculated Amino Acids	
Valine	0.90%
Leucine	1.30%
Isoleucine	0.60%
Threonine	0.60%
Methionine	0.60%
Cystine	0.05%
Lysine	1.00%
Phenylanine	0.70%
Tyrosine	0.70%
Tryptophan	0.20%

Calculated Total Minerals	
Calcium	0.47%
Phosphorous	0.35%
Magnesium	0.09%
Sodium	0.15%
Chloride	0.16%
Potassium	0.40%
Sulphur	0.17%
Iron	75 mg/Kg
Copper	6.9 mg/Kg
Iodine	0.2 mg/Kg
Manganese	19.5 mg/Kg
Cobalt	No data
Zinc	47 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	3.1 mg/Kg
Nickel	0.5 mg/Kg
Vanadium	0.1 mg/Kg

Calculated Total Vitamins	
Vitamin A (Retinol)	6 000 IU/Kg
Vitamin D (Cholecalciferol)	1 500 IU/Kg
Vitamin E (a Tocopherol acetate)	114 mg/Kg
Vitamin K (Menadione)	3.5 mg/Kg
Vitamin C (Ascorbic acid)	None added
Vitamin B1 (Thiamine)	9 mg/Kg
Vitamin B2 (Riboflavin)	9.2 mg/Kg
Niacin (Nicotinic acid)	45 mg/Kg
Vitamin B6 (Pryridoxine)	10.6 mg/Kg
Pantothenic Acid	24 mg/Kg
Biotin	300 ug/Kg
Folic Acid	3 mg/Kg
Inositol	None added
Vitamin B12 (Cyancobalamin)	152 ug/Kg
Choline	1 450 mg/Kg

Calculated Fatty Acid Composition	
Myristic Acid 14:0	No data
Palmitic Acid 16:0	0.20%
Stearic Acid 18:0	0.10%
Palmitoleic Acid 16:1	No data
Oleic Acid 18:1	2.40%
Gadoleic Acid 20:1	Trace
Linoleic Acid 18:2 n6	0.80%
a Linolenic Acid 18:3 n3	0.56%
Arachadonic Acid 20:4 n6	No data
EPA 20:5 n3	No data
DHA 22:6 n3	No data
Total n3	0.56%
Total n6	0.86%
Total Mono Unsaturated Fats	2.28%
Total Poly Unsaturated Fats	1.43%
Total Saturated Fats	0.29%

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.