



## Diet **Soya Oil Maize Starch Modification of AIN93G** **SF09-087** **Rodent Diet**

A semi-pure diet formulation for laboratory rats and mice based on AIN-93G.

- Canola oil has been replaced with soya bean oil
- Wheat starch has been replaced with maize starch
- An antioxidant has been added
- Vitamin inclusion rate has been increased for irradiation.
- Vitamin D has been excluded from the premix and added back for a final inclusion of 1500 IU/Kg

Calculated Nutritional Parameters	
Protein	19.40%
Total Fat	7.00%
Crude Fibre	4.70%
AD Fibre	4.70%
Digestible Energy	16.1 MJ / Kg
% Total calculated digestible energy from lipids	15.90%
% Total calculated digestible energy from protein	21.10%

Ingredients	
Casein (Acid)	200 g/Kg
Sucrose	100 g/Kg
Soya Bean Oil	70 g/Kg
Cellulose	50 g/Kg
Maize Starch	397 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%)	4.1 g/Kg
Oxicap E2	0.14 g/Kg
AIN93 Vitamins	15 g/Kg
Vitamin D 28 500 IU/Kg	0.05 g/Kg
Vitamin K 0.23%	0.87 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.
- Diet is Yellow in colour



Calculated Essential Amino Acids as Fed	
Valine	1.26%
Leucine	1.80%
Isoleucine	0.87%
Threonine	0.79%
Methionine	0.84%
Cystine	0.05%
Lysine	1.49%
Phenylalanine	0.99%
Tyrosine	1.01%
Tryptophan	0.27%
Histidine	0.60%

Calculated Total Vitamins as Fed	
Vitamin A (Retinol)	6 000 IU/Kg
Vitamin D (Cholecalciferol)	1 500 IU/Kg
Vitamin E (a Tocopherol acetate)	115 mg/Kg
Vitamin K (Menadione)	3.5 mg/Kg
Vitamin C (Ascorbic acid)	None added
Vitamin B1 (Thiamine)	9.1 mg/Kg
Vitamin B2 (Riboflavin)	9.3 mg/Kg
Niacin (Nicotinic acid)	45 mg/Kg
Vitamin B6 (Pryridoxine)	11 mg/Kg
Pantothenic Acid	24.5 mg/Kg
Biotin	300 ug/Kg
Folic Acid	3 mg/Kg
Inositol	None added
Vitamin B12 (Cyanocobalamin)	152 ug/Kg
Choline	2 380 mg/Kg

Calculated Total Minerals as Fed	
Calcium	0.70%
Phosphorous	0.35%
Magnesium	0.08%
Sodium	0.15%
Chloride	0.16%
Potassium	0.40%
Sulphur	0.23%
Iron	68 mg/Kg
Copper	7.0 mg/Kg
Iodine	0.2 mg/Kg
Manganese	19 mg/Kg
Cobalt	No data
Zinc	46 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	2.5 mg/Kg
Nickel	0.5 mg/Kg
Vanadium	0.1 mg/Kg

Calculated Fatty Acid Composition as Fed	
Myristic Acid 14:0	Trace
Palmitic Acid 16:0	0.72%
Stearic Acid 18:0	0.27%
Palmitoleic Acid 16:1	0.01%
Oleic Acid 18:1	1.60%
Gadoleic Acid 20:1	0.01%
Linoleic Acid 18:2 n6	3.57%
a Linolenic Acid 18:3 n3	0.48%
Arachadonic Acid 20:4 n6	No data
EPA 20:5 n3	No data
DHA 22:6 n3	No data
Total n3	0.48%
Total n6	3.57%
Total Mono Unsaturated Fats	1.62%
Total Polyunsaturated Fats	4.05%
Total Saturated Fats	0.99%

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.