



## Diet **Low Zinc, Iron and Protein Modification of SF09-027 AIN93G Rodent Diet**

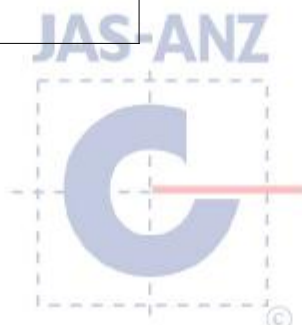
A semi-pure diet formulation for laboratory rats and mice based on AIN-93G. Raw materials were selected to minimise zinc and iron content.

- Protein has been reduced from the standard formulation and casein replaced with whey protein isolate.
- Starch content has been increased.

Calculated Nutritional Parameters	
Protein	4.50%
Total Fat	6.90%
Crude Fibre	4.70%
AD Fibre	4.70%
Digestible Energy	16.1 MJ / Kg
% Total calculated digestible energy from lipids	16.00%
% Total calculated digestible energy from protein	5.30%

Diet Form and Features
<ul style="list-style-type: none"> <li>• Semi pure diet. 12 mm diameter pellets.</li> <li>• 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.</li> <li>• Diet suitable for irradiation but not suitable for autoclave.</li> <li>• Lead time 2 weeks for non-irradiation or 4 weeks for irradiation.</li> </ul>

Ingredients	
Whey Protein Isolate	50 g/Kg
Canola Oil	70 g/Kg
Cellulose	50 g/Kg
Wheat Starch	581 g/Kg
Dextrinised Starch	200 g/Kg
DL Methionine	3.0 g/Kg
LR Calcium Carbonate	13.1 g/Kg
Sodium Chloride	2.6 g/Kg
Modified AIN93 Trace Minerals No Zinc No Iron	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



Calculated Amino Acids	
Valine	0.30%
Leucine	0.50%
Isoleucine	0.30%
Threonine	0.40%
Methionine	0.40%
Cystine	0.14%
Lysine	0.50%
Phenylalanine	0.15%
Tyrosine	0.15%
Histidine	0.08%
Tryptophan	0.09%

Calculated Total Minerals	
Calcium	0.50%
Phosphorous	0.30%
Magnesium	0.07%
Sodium	0.16%
Chloride	0.16%
Potassium	0.65%
Sulphur	0.20%
Iron	Approximately 20 mg/Kg
Copper	6.5 mg/Kg
Iodine	0.2 mg/Kg
Manganese	15 mg/Kg
Cobalt	No data
Zinc	Approximately 1.5 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	0.98%
EPA 20:5 n3	No data
DHA 22:6 n3	No data
Total n3	0.98%
Total n6	1.50%
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.

