



Diet SF05-032

Modified AIN93G Rodent Diet 10% Lard

A semi-pure diet formulation for laboratory rats and mice based on AIN-93G. This formulation satisfies the nutritional requirements for growth of rats and mice. Some modifications have been made to the original formulation to suit locally available raw materials.

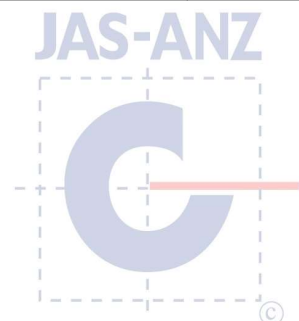
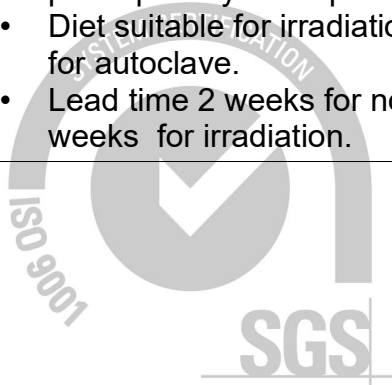
- Lipid content has been increased from 7% to 10% and replacing the Canola oil with lard
- Energy content increased slightly over the standard AIN93G
- Starch content has been reduced to balance formulation.

Calculated Nutritional Parameters	
Protein	19.40%
Total Fat	10.00%
Crude Fibre	4.70%
AD Fibre	4.70%
Digestible Energy	16.8 MJ / Kg
% Total calculated digestible energy from lipids	23.00%
% Total calculated digestible energy from protein	21.50%

Ingredients	
Casein (Acid)	200 g/Kg
Sucrose	100 g/Kg
Lard	100 g/Kg
Cellulose	50 g/Kg
Wheat Starch	374 g/Kg
Dextrinised Starch	132 g/Kg
DL 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	
Valine	1.30%
Leucine	1.80%
Isoleucine	0.90%
Threonine	0.80%
Methionine	0.80%
Cysteine	0.06%
Lysine	1.50%
Phenylalanine	1.00%
Tyrosine	1.00%
Tryptophan	0.30%
Histidine	0.60%

Calculated Total Minerals	
Calcium	0.47%
Phosphorous	0.35%
Magnesium	0.09%
Sodium	0.15%
Chloride	0.16%
Potassium	0.40%
Sulphur	0.23%
Iron	83 mg/Kg
Copper	7.0 mg/Kg
Iodine	0.2 mg/Kg
Manganese	19 mg/Kg
Cobalt	No data
Zinc	50 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)	75 mg/Kg
Vitamin K (Menadione)	1 mg/Kg
Vitamin C (Ascorbic acid)	None added
Vitamin B1 (Thiamine)	6.1 mg/Kg
Vitamin B2 (Riboflavin)	6.3 mg/Kg
Niacin (Nicotinic acid)	30 mg/Kg
Vitamin B6 (Pryridoxine)	7 mg/Kg
Pantothenic Acid	16.5 mg/Kg
Biotin	200 ug/Kg
Folic Acid	2 mg/Kg
Inositol	None added
Vitamin B12 (Cyanocobalamin)	103 ug/Kg
Choline	1 470 mg/Kg

Calculated Fatty Acid Composition	
Saturated Fats C12:0 and less	0.30%
Myristic Acid 14:0	0.15%
Palmitic Acid 16:0	2.65%
Stearic Acid 18:0	1.70%
Palmitoleic Acid 16:1	0.17%
Oleic Acid 18:1	3.38%
Gadoleic Acid 20:1	0.07%
Linoleic Acid 18:2 n6	1.44%
a Linolenic Acid 18:3 n3	0.14%
Arachadonic Acid 20:4 n6	No data
EPA 20:5 n3	No Data
DHA 22:6 n3	No data
Total n3	0.16%
Total n6	1.45%
Total Mono UnSaturated Fats	3.66%
Total Polyunsaturated Fats	1.66%
Total Saturated Fats	4.65%

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.