



## Diet SF11-029

## Modified AIN93G Rodent Diet 20% Cellulose 20% Guar Gum

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

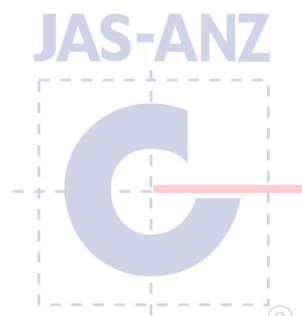
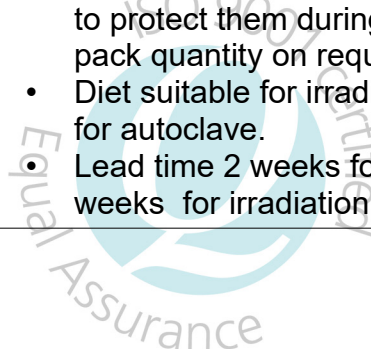
- All CHO has been replaced with Wheat starch.
- Cellulose has been increased to 20%
- Guar Gum has been added at 20%
- Due to the lower energy to AIN93G, it is assumed feed intake will be higher and ingredient inclusion rates have been adjusted for the higher feed consumption.

Calculated Nutritional Parameters	
Protein	13.2%
Total Fat	4.5%
Crude Fibre	35.0%
AD Fibre	35.0%
Digestible Energy	10.4 MJ / Kg
% Total calculated digestible energy from lipids	15.6%
% Total calculated digestible energy from protein	19.7%
% Total calculated digestible energy from carbohydrate	64.7%

Ingredients	
Casein (Acid)	126 g/Kg
Wheat Starch	402 g/Kg
Canola Oil	44 g/Kg
Cellulose	200 g/Kg
Guar Gum	200 g/Kg
L Methionine	1.9 g/Kg
Calcium Carbonate	8.3 g/Kg
Sodium Chloride	1.6 g/Kg
AIN93 Trace Minerals	0.9 g/Kg
Potassium Citrate	1.6 g/Kg
Potassium Dihydrogen Phosphate	4.4 g/Kg
Potassium Sulphate	1.0 g/Kg
Choline Chloride (75%)	1.6 g/Kg
AIN93 Vitamins	6.3 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 as Fed	
Valine	0.80%
Leucine	1.14%
Isoleucine	0.55%
Threonine	0.50%
Methionine	0.53%
Cysteine	0.03%
Lysine	0.94%
Phenylalanine	0.62%
Tyrosine	0.66%
Histidine	0.38%
Tryptophan	0.17%

Calculated Total Minerals as Fed	
Calcium	0.47%
Phosphorous	0.23%
Magnesium	0.04%
Sodium	0.11%
Chloride	0.12%
Potassium	0.29%
Sulphur	0.15%
Iron	32 mg/Kg
Copper	5.5 mg/Kg
Iodine	0.1 mg/Kg
Manganese	15 mg/Kg
Cobalt	No data
Zinc	30 mg/Kg
Molybdenum	0.09 mg/Kg
Selenium	0.2 mg/Kg
Cadmium	No data
Chromium	0.6 mg/Kg
Fluoride	0.6 mg/Kg
Lithium	0.06 mg/Kg
Boron	1.4 mg/Kg
Nickel	0.3 mg/Kg
Vanadium	0.06 mg/Kg

Calculated Total Vitamins as Fed	
Vitamin A (Retinol)	2 520 IU/Kg
Vitamin D (Cholecalciferol)	630 IU/Kg
Vitamin E (a Tocopherol acetate)	49 mg/Kg
Vitamin K (Menadione)	0.6 mg/Kg
Vitamin C (Ascorbic acid)	None added
Vitamin B1 (Thiamine)	3.8 mg/Kg
Vitamin B2 (Riboflavin)	4.0 mg/Kg
Niacin (Nicotinic acid)	19 mg/Kg
Vitamin B6 (Pryridoxine)	4.5 mg/Kg
Pantothenic Acid	10.4 mg/Kg
Biotin	126 ug/Kg
Folic Acid	1.3 mg/Kg
Inositol	None added
Vitamin B12 (Cyancobalamin)	65 ug/Kg
Choline	930 mg/Kg

Calculated Fatty Acid Composition as Fed	
Myristic Acid 14:0	Trace
Palmitic Acid 16:0	0.19%
Stearic Acid 18:0	0.09%
Palmitoleic Acid 16:1	0.01%
Oleic Acid 18:1	2.45%
Gadoleic Acid 20:1	0.05%
Linoleic Acid 18:2 n6	0.95%
a Linolenic Acid 18:3 n3	0.62%
Arachadonic Acid 20:4 n6	No data
EPA 20:5 n3	No data
DHA 22:6 n3	No data
Total n3	0.62%
Total n6	0.95%
Total Mono Unsaturated Fats	2.52%
Total Polyunsaturated Fats	1.58%
Total Saturated Fats	0.32%

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.