



Diet SF16-001

Extra Vitamin Modification of SF04-001

A semi-pure high fat diet formulation for laboratory rats and mice based SF04-001.

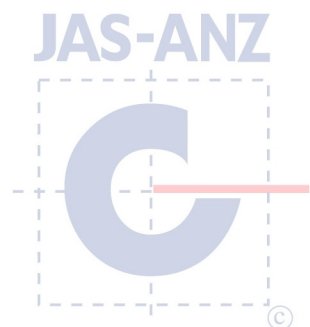
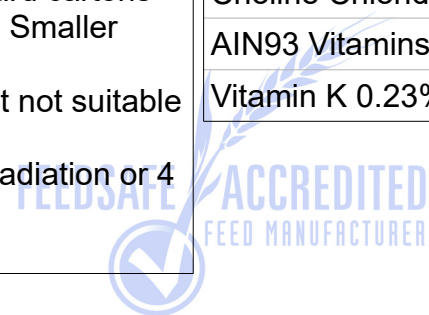
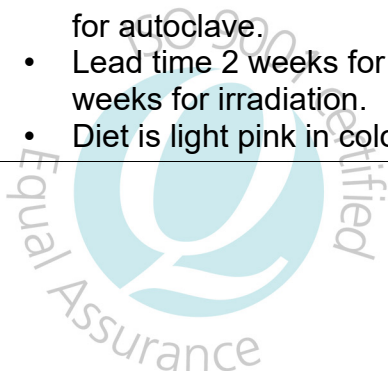
- Vitamins have been increased to account for losses that may occur during the irradiation process.

Calculated Nutritional Parameters	
Protein	20.90%
Total Fat	23.50%
Crude Fibre	5.40%
AD Fibre	5.40%
Digestible Energy	18.8 MJ / Kg
% Total calculated digestible energy from lipids	46.00%
% Total calculated digestible energy from protein	18.50%

Ingredients	
Casein (Acid)	233 g/Kg
Sucrose	201 g/Kg
Lard	207 g/Kg
Soya Bean Oil	29 g/Kg
Cellulose	58 g/Kg
Wheat Starch	86 g/Kg
Dextrinised Starch	117 g/Kg
L Methionine	3.5 g/Kg
Calcium Carbonate	6.4 g/Kg
Sodium Chloride	2.6 g/Kg
AIN93 Trace Minerals	1.6 g/Kg
Potassium Citrate	19.2 g/Kg
Dicalcium Phosphate	15.1 g/Kg
Potassium Sulphate	1.6 g/Kg
Choline Chloride (75%)	1.3 g/Kg
AIN93 Vitamins	17 g/Kg
Vitamin K 0.23%	0.87 g/Kg

Diet Form and Features

- Semi pure high fat diet. 12 mm diameter pellets.
- Pack size 2 Kg compostble cardboard trays, 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 light pink in colour



Calculated Essential Amino Acids as Fed	
Valine	1.40%
Leucine	2.10%
Isoleucine	1.20%
Threonine	0.93%
Methionine	1.00%
Cysteine	0.07%
Lysine	1.90%
Phenylalanine	1.20%
Tyrosine	1.30%
Tryptophan	0.23%
Arginine	0.70%
Histidine	0.47%

Calculated Total Vitamins as Fed	
Vitamin A (Retinol)	6 660 IU/Kg
Vitamin D (Cholecalciferol)	1 670 IU/Kg
Vitamin E (a Tocopherol acetate)	126 mg/Kg
Vitamin K (Menadione)	3.7 mg/Kg
Vitamin C (Ascorbic acid)	None added
Vitamin B1 (Thiamine)	10.1 mg/Kg
Vitamin B2 (Riboflavin)	10.2 mg/Kg
Niacin (Nicotinic acid)	50 mg/Kg
Vitamin B6 (Pryridoxine)	12 mg/Kg
Pantothenic Acid	27 mg/Kg
Biotin	333 ug/Kg
Folic Acid	3.4 mg/Kg
Inositol	None added
Vitamin B12 (Cyanocobalamin)	170 ug/Kg
Choline	1 200 mg/Kg

Calculated Total Minerals	
Calcium	0.69%
Phosphorous	0.43%
Magnesium	0.07%
Sodium	0.14%
Chloride	0.16%
Potassium	0.83%
Sulphur	0.25%
Iron	70 mg/Kg
Copper	9.2 mg/Kg
Iodine	0.23 mg/Kg
Manganese	21 mg/Kg
Cobalt	No data
Zinc	55 mg/Kg
Molybdenum	0.18 mg/Kg
Selenium	0.3 mg/Kg
Cadmium	No data
Chromium	1.2 mg/Kg
Fluoride	1.2 mg/Kg
Lithium	0.1 mg/Kg
Boron	2.1 mg/Kg
Nickel	0.6 mg/Kg
Vanadium	0.1 mg/Kg

Calculated Fatty Acid Composition	
Saturated Fats C12:0 or less	Trace
Myristic Acid 14:0	0.32%
Palmitic Acid 16:0	5.80%
Stearic Acid 18:0	3.70%
Other Saturated Fats	0.10%
Palmitoleic Acid 16:1	0.40%
Oleic Acid 18:1	7.70%
Gadoleic Acid 20:1	0.20%
Linoleic Acid 18:2 n6	4.46%
a Linolenic Acid 18:3 n3	0.49%
EPA 20:5 n3	No data
DHA 22:6 n3	No data
Total n3	0.52%
Total n6	4.50%
Total Mono Unsaturated Fats	8.24%
Total Poly Unsaturated Fats	5.11%
Total Saturated Fats	10.00%

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.