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Diet
SF14-144

Increased Energy Modification of SF14-009

An increased fat modification of the semi-pure diet formulation AIN93G Some modifications have been made to the original formulation to suit locally available raw materials.

- Canola Oil has been increased and Soya bean oil has been added also
- Energy has been increased to 16.3 MJ/Kg
- Cellulose has been added as a filler.
- Diet is isoenergenic to SF14-143

Calculated Nutritional Parameters

Protein	23.7%
Total Fat	17.7%
Crude Fibre	22.2%
AD Fibre	22.2%
Digestible Energy	16.3 MJ / Kg
% Total calculated digestible energy from lipids	43.0%
% Total calculated digestible energy from protein	25.5%

Diet Form and Features

- Semi pure diet. 12 mm diameter pellets.
- Pack size 1.5 Kg 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.

Ingredients

Casein (Acid)	244 g/Kg
Sucrose	100 g/Kg
Canola Oil	159 g/Kg
Soya Bean Oil	33 g/Kg
Cellulose	238 g/Kg
Wheat Starch	50 g/Kg
Dextrinised Starch	132 g/Kg
L Methionine	4.1 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

ISO 9001 SYSTEM CERTIFICATION SGS
JAS-ANZ
FEEDSAFE ACCREDITED FEED MANUFACTURER

Calculated Amino Acids	
Valine	1.53%
Leucine	2.19%
Isoleucine	1.06%
Threonine	0.97%
Methionine	1.06%
Cysteine	0.07%
Lysine	1.82%
Phenylalanine	1.20%
Tyrosine	1.27%
Histidine	0.73%
Tryptophan	0.33%

Calculated Total Minerals	
Calcium	0.70%
Phosphorous	0.35%
Magnesium	0.05%
Sodium	0.15%
Chloride	0.16%
Potassium	0.40%
Sulphur	0.27%
Iron	50 mg/Kg
Copper	8.2 mg/Kg
Iodine	0.2 mg/Kg
Manganese	20 mg/Kg
Cobalt	No data
Zinc	47 mg/Kg
Molybdenum	0.15 mg/Kg
Selenium	0.3 mg/Kg
Chromium	1.0 mg/Kg
Fluoride	1.0 mg/Kg
Lithium	0.1 mg/Kg
Boron	2.2 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)	83 mg/Kg
Vitamin K (Menadione)	1 mg/Kg
Vitamin C (Ascorbic acid)	None added
Vitamin B1 (Thiamine)	6.1 mg/Kg
Vitamin B2 (Riboflavin)	6.4 mg/Kg
Niacin (Nicotinic acid)	30 mg/Kg
Vitamin B6 (Pryridoxine)	7 mg/Kg
Pantothenic Acid	16.6 mg/Kg
Biotin	200 ug/Kg
Folic Acid	2 mg/Kg
Inositol	None added
Vitamin B12 (Cyancobalamin)	103 ug/Kg
Choline	1 480 mg/Kg

Calculated Fatty Acid Composition	
Saturated Fats C12:0 and less	0.03%
Myristic Acid 14:0	0.02%
Palmitic Acid 16:0	1.01%
Stearic Acid 18:0	0.43%
Oleic Acid 18:1	9.59%
Gadoleic Acid 20:1	0.17%
Linoleic Acid 18:2 n6	5.10%
a Linolenic Acid 18:3 n3	2.46%
Arachadonic Acid 20:4 n6	No data
EPA 20:5 n3	No data
DHA 22:6 n3	No data
Total n3	2.46%
Total n6	5.10%
Total Mono Unsaturated Fats	9.82%
Total Polyunsaturated Fats	7.57%
Total Saturated Fats	1.61%

Calculated data uses information from typical raw material composition. **Diet post treatment by irradiation or auto clave could change these parameters**. It could be expected that individual batches of diet will vary from this figure. 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.