



Specialty Feeds

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Diet SF17-107

Research Diets A06071302 Equivalent

A semi-pure diet formulation for laboratory rats and mice using purified amino acids designed to be equivalent to Research Diets A06071302. Some modifications have been made to the original formulation to suit locally available raw materials.

- Diet deficient in choline and methionine based on A06071302 Specifications.
- Vitamins have been increased for irradiation

Calculated Nutritional Parameters as Fed

Protein	22.6%
Total Fat	35.8%
Crude Fibre	6.2%
AD Fibre	6.2%
Digestible Energy	22.3 MJ / Kg
% Total calculated digestible energy from protein	21.9%
% Total calculated digestible energy from lipids	58.9%

Diet Form and Features

- Semi pure diet. 15mm x 20mm block to mimic similar size of pellet.
- Packed in plastic trays. Trays packed in groups of five (5). with layer of glad wrap between each to protect diet.
- Diet not suitable for irradiation or autoclave.
- Lead time 2 weeks
- Diet is light purple in colour.

Ingredients

Sucrose	92 g/Kg
Soybean Oil	33 g/Kg
Lard	326 g/Kg
Cellulose	67 g/Kg
Dextrinised Starch	165 g/Kg
L-Lysine HCl	17.6 g/Kg
L-Tryptophan	2.8 g/Kg
L-Alanine	6.8 g/Kg
L-Arginine	8.0 g/Kg
L-Aspartic Acid	16.1 g/Kg
L-Cystine	5.6 g/Kg
L-Glutamic Acid	50.8 g/Kg
Glycine	4.0 g/Kg
L-Histidine	6.1 g/Kg
L-Isoleucine	10.1 g/Kg
L-Leucine	21.0 g/Kg
L-Methionine	1.1 g/Kg
L-Phenylalanine	11.2 g/Kg
L-Proline	23.7 g/Kg
L-Serine	13.3 g/Kg
L-Threonine	9.6 g/Kg
L-Tyrosine	12.2 g/Kg
L-Valine	12.4 g/Kg

Ingredients	
AIN93 Trace Minerals	1.9 g/Kg
Calcium Carbonate	7.3 g/Kg
Sodium Chloride	3.5 g/Kg
Sodium BiCarbonate	10.0 g/Kg
Potassium Sulphate	2.1 g/Kg
Potassium Citrate	22.0 g/Kg
Dicalcium Phosphate	17.3 g/Kg
AIN93 Vitamins	19.9 g/Kg
Vitamin K 0.23%	1.2 g/Kg

Calculated Essential Amino Acids as Fed	
Valine	1.23%
Leucine	2.08%
Isoleucine	1.00%
Threonine	0.95%
Methionine	0.10%
Cysteine	1.10%
Lysine	1.73%
Phenylalanine	1.11%
Tyrosine	1.21%
Tryptophan	0.28%
Arginine	0.79%
Glycine	0.40%
Histidine	0.61%
Serine	1.32%

Calculated Total Minerals as Fed	
Calcium	0.76%
Phosphorous	0.32%
Magnesium	0.08%
Sodium	0.45%
Chloride	0.21%
Potassium	0.94%
Sulphur	0.22%
Iron	78 mg/Kg
Copper	10 mg/Kg
Iodine	0.3 mg/Kg
Manganese	21 mg/Kg
Cobalt	No data
Zinc	53 mg/Kg
Molybdenum	0.2 mg/Kg
Selenium	0.5 mg/Kg
Cadmium	No data
Chromium	1.3 mg/Kg
Fluoride	1.3 mg/Kg
Lithium	0.1 mg/Kg
Boron	1.5 mg/Kg
Nickel	0.7 mg/Kg
Vanadium	0.1 mg/Kg



Calculated Total Vitamins as Fed		Calculated Fatty Acid Composition as Fed	
Vitamin A (Retinol)	7 920 IU/Kg	Saturated Fats C12:0 and less	0.10%
Vitamin D (Cholecalciferol)	1 980 IU/Kg	Myristic Acid 14:0	0.50%
Vitamin E (a Tocopherol acetate)	150 mg/Kg	Palmitic Acid 16:0	8.98%
Vitamin K (Menadione)	4.6 mg/Kg	Stearic Acid 18:0	5.74%
Vitamin C (Ascorbic acid)	None added	Palmitoleic Acid 16:1	0.56%
Vitamin B1 (Thiamine)	11.9 mg/Kg	Oleic Acid 18:1	11.78%
Vitamin B2 (Riboflavin)	11.9 mg/Kg	Gadoleic Acid 20:1	0.24%
Niacin (Nicotinic acid)	59 mg/Kg	Linoleic Acid 18:2 n6	6.39%
Vitamin B6 (Pryridoxine)	13.9 mg/Kg	a Linolenic Acid 18:3 n3	0.68%
Pantothenic Acid	32 mg/Kg	Arachadonic Acid 20:4 n6	No data
Biotin	396 ug/Kg	EPA 20:5 n3	No data
Folic Acid	4.0 mg/Kg	DHA 22:6 n3	No data
Inositol	None added	Total n3	0.73%
Vitamin B12 (Cyancobalamin)	198 ug/Kg	Total n6	6.43%
Choline	35 mg/Kg	Total Saturated Fats	15.63%
		Total Mono-Unsaturated Fats	12.7%
		Total Polyunsaturated Fats	7.33%

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.

