



Specialty Feeds

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Diet SF05-021

Low Choline Low Methionine 25% Fat Rodent Diet

A semi-pure diet formulation for laboratory rats and mice using purified amino acids.

Calculated Nutritional Parameters

Protein	16.50%
Total Fat	25.00%
Crude Fibre	2.80%
AD Fibre	2.80%
Digestible Energy	20.3 MJ / Kg
% Total calculated digestible energy from lipids	45.00%

Diet Form and Features

- Semi pure diet. Dough form.
- Pack size 2 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.

Ingredients

Sucrose	354 g/Kg
Ghee	250 g/Kg
Cellulose	30 g/Kg
Wheat Starch	150 g/Kg
L-Lysine HCl	18 g/Kg
Tryptophan	1.8 g/Kg
L-Alanine	3.5 g/Kg

Ingredients

L-Arginine	12.1 g/Kg
L-Asparagine	6.0 g/Kg
L-aspartic Acid	3.5 g/Kg
L-Cystine	3.5 g/Kg
L-Glutamic Acid	40.0 g/Kg
Glycine	23.3 g/Kg
L-Histidine	4.5 g/Kg
L-Isoleucine	8.2 g/Kg
L-Leucine	11.1 g/Kg
L-Phenylalanine	7.5 g/Kg
L-Proline	3.5 g/Kg
L-Serine	3.5 g/Kg
L-Threonine	8.2 g/Kg
L-Tyrosine	5.0 g/Kg
L-Valine	8.2 g/Kg
Dicalcium Phosphate	16.5 g/Kg
Sodium Chloride	2.6 g/Kg
AIN93 Trace Minerals	1.4 g/Kg
Potassium Citrate	7.7 g/Kg
Potassium Dihydrogen Phosphate	3.8 g/Kg
Potassium Sulphate	1.8 g/Kg
Magnesium Oxide	0.8 g/Kg
AIN93 Vitamins	10 g/Kg
Antioxidant (Oxicap E2)	0.2 g/Kg

Calculated Amino Acids	
Valine	0.80%
Leucine	1.10%
Isoleucine	0.80%
Threonine	0.80%
Cystine	0.30%
Lysine	1.40%
Phenylalanine	0.70%
Tyrosine	0.50%
Tryptophan	0.20%
Histidine	0.45%

Calculated Total Minerals	
Calcium	0.40%
Phosphorous	0.40%
Magnesium	0.11%
Sodium	0.11%
Chloride	0.16%
Potassium	0.50%
Sulphur	0.14%
Iron	70 mg/Kg
Copper	7.7 mg/Kg
Iodine	0.2 mg/Kg
Manganese	16 mg/Kg
Cobalt	No data
Zinc	27 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 (Cyancobalamin)	103 mg/Kg
Choline	Less than 150 mg/Kg

Calculated Fatty Acid Composition	
Myristic Acid 14:0	Trace
Palmitic Acid 16:0	2.90%
Stearic Acid 18:0	0.60%
Palmitoleic Acid 16:1	0.20%
Oleic Acid 18:1	19.00%
Gadoleic Acid 20:1	0.10%
Linoleic Acid 18:2 n6	2.00%
a Linolenic Acid 18:3 n3	0.15%
Arachadonic Acid 20:4 n6	Trace
EPA 20:5 n3	Trace
DHA 22:6 n3	Trace
Total n3	0.15%
Total n6	2.05%
Total Saturated Fats	3.48%
Total Mono-Unsaturated Fats	19.32%
Total Polyunsaturated Fats	2.20%

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.