7034

Teklad Low Salt Mouse/Rat Sterilizable Diet

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Product Description- 7034 is a fixed formula, autoclavable diet manufactured with high quality ingredients. It is designed for laboratory research where low sodium intake is involved in blood pressure and hypertension studies. Absence of fish meal minimizes the presence of nitrosamines. 7034 is supplemented with additional vitamins to ensure nutritional adequacy after autoclaving. Similar to the 7012 diet, with lower sodium.

Ingredients (in descending order of inclusion)- Ground corn, dehulled soybean meal, ground oats, wheat middlings, soybean oil, dehydrated alfalfa meal, corn gluten meal, calcium carbonate, dicalcium phosphate, brewers dried yeast, choline chloride, iodized salt, L-lysine, DL-methionine, magnesium oxide, menadione sodium bisulfite complex (source of vitamin K activity), ferrous sulfate, vitamin E acetate, thiamin mononitrate, calcium pantothenate, niacin, manganous oxide, copper sulfate, zinc oxide, vitamin A acetate, pyridoxine hydrochloride, riboflavin, vitamin D_3 supplement, vitamin B_{12} supplement, folic acid, biotin, calcium iodate, cobalt carbonate.

Standard Product Form: ***Pellet***

Macronutrients		
Crude Protein	%	19.7
Fat (ether extract) [a]	%	5.9
Carbohydrate (available) [b]	%	43.2
Crude Fiber	%	4.5
Neutral Detergent Fiber [c]	%	13.7
Ash	%	6.5
Energy Density [d]	kcal/g (kJ/g)	3.0 (12.6)
Calories from Protein	%	26
Calories from Fat	%	17
Calories from Carbohydrate	%	57
Minerals		
Calcium	%	1.0
Phosphorus	%	0.7
Non-Phytate Phosphorus	%	0.4
Sodium	%	0.1
Potassium	%	0.9
Chloride	%	0.2
Magnesium	%	0.2
Zinc	mg/kg	64
Manganese	mg/kg	94
Copper	mg/kg	23
Iodine	mg/kg	2
Iron	mg/kg	250
Selenium	mg/kg	0.16
Amino Acids		
Aspartic Acid	%	1.9
Glutamic Acid	%	2.9
Alanine	%	1.0
Glycine	%	0.9
Threonine	%	0.8
Proline	%	1.4
Serine	%	1.3
Leucine	%	1.8
Isoleucine	%	1.0
Valine	%	1.0
Phenylalanine	%	1.0
Tyrosine	%	0.8
Methionine	%	0.4
Cystine	%	0.3
Lysine	%	1.0
Histidine	%	0.5
Arginine	%	1.2
Tryptophan	%	0.3

Vitamins		
Vitamin A [e, f]	IU/g	37.0
Vitamin D_3 [e, g]	IU/g	3.0
Vitamin E	IU/kg	175
Vitamin K_3 (menadione)	mg/kg	100
Vitamin B_1 (thiamin)	mg/kg	118
Vitamin B_2 (riboflavin)	mg/kg	17
Niacin (nicotinic acid)	mg/kg	119
Vitamin B_6 (pyridoxine)	mg/kg	20
Pantothenic Acid	mg/kg	107
Vitamin B_{12} (cyanocobalamin)	mg/kg	0.11
Biotin	mg/kg	0.92
Folate	mg/kg	8
Choline	mg/kg	2110
Fatty Acids		
C16:0 Palmitic	%	0.6
C18:0 Stearic	%	0.2
C18:1ω9 Oleic	%	1.3
C18:2ω6 Linoleic	%	2.7
C18:3ω3 Linolenic	%	0.3
Total Saturated	%	0.8
Total Monounsaturated	%	1.4
Total Polyunsaturated	%	3.0
Other		
Cholesterol	mg/kg	--

Shelf life: With proper storage, diet is suitable for use out to 9 months.

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[a] Ether extract is used to measure fat in pelleted diets, while an acid hydrolysis method is required to recover fat in extruded diets. Compared to ether extract, the fat value for acid hydrolysis will be approximately 1% point higher.

[b] Carbohydrate (available) is calculated by subtracting neutral detergent fiber from total carbohydrates.

[c] Neutral detergent fiber is an estimate of insoluble fiber, including cellulose, hemicellulose, and lignin. Crude fiber methodology underestimates total fiber.

[d] Energy density is a calculated estimate of *metabolizable energy* based on the Atwater factors assigning 4 kcal/g to protein, 9 kcal/g to fat, and 4 kcal/g to available carbohydrate.

[e] Indicates added amount but does not account for contribution from other ingredients.

[f] 1 IU vitamin A = 0.3 µg retinol

[g] 1 IU vitamin D = 25 ng cholecalciferol

For nutrients not listed, insufficient data is available to quantify.

Nutrient data represent the best information available, calculated from published values and direct analytical testing of raw materials and finished product. Nutrient values may vary due to the natural variations in the ingredients, analysis, and effects of processing.

Teklad Diets are designed and manufactured for research purposes only.