

## Teklad Sterilizable Rodent Diet

**Product Description-** 8656 is a fixed formula, autoclavable diet manufactured with high quality ingredients and designed to support growth and reproduction of rodents. 8656 is similar to 8604, but supplemented with additional vitamins to ensure nutritional adequacy after autoclaving. **Also available irradiated (7956).**

Macronutrients		
Crude Protein	%	24.5
Fat (ether extract) <sup>a</sup>	%	4.3
Carbohydrate (available) <sup>b</sup>	%	38.2
Crude Fiber	%	3.7
Neutral Detergent Fiber <sup>c</sup>	%	14.0
Ash	%	8.0
Energy Density <sup>d</sup>	kcal/g (kJ/g)	2.9 (12.1)
Calories from Protein	%	34
Calories from Fat	%	13
Calories from Carbohydrate	%	53
Minerals		
Calcium	%	1.2
Phosphorus	%	1.0
Non-Phytate Phosphorus	%	0.7
Sodium	%	0.3
Potassium	%	0.9
Chloride	%	0.4
Magnesium	%	0.2
Zinc	mg/kg	84
Manganese	mg/kg	106
Copper	mg/kg	23
Iodine	mg/kg	2
Iron	mg/kg	300
Selenium	mg/kg	0.35
Amino Acids		
Aspartic Acid	%	2.3
Glutamic Acid	%	4.2
Alanine	%	1.4
Glycine	%	1.3
Threonine	%	0.9
Proline	%	1.7
Serine	%	1.6
Leucine	%	1.9
Isoleucine	%	1.0
Valine	%	1.2
Phenylalanine	%	1.1
Tyrosine	%	0.9
Methionine	%	0.4
Cystine	%	0.4
Lysine	%	1.4
Histidine	%	0.6
Arginine	%	1.6
Tryptophan	%	0.3

Teklad Diets are designed and manufactured for research purposes only.



**Ingredients** (in descending order of inclusion)- Dehulled soybean meal, wheat middlings, flaked corn, ground corn, fish meal, ground wheat, brewers dried yeast, dicalcium phosphate, calcium carbonate, soybean oil, iodized salt, choline chloride, kaolin, magnesium oxide, calcium propionate, 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<sub>3</sub> supplement, vitamin B<sub>12</sub> supplement, folic acid, biotin, calcium iodate, cobalt carbonate.

Standard Product Form: **Pellet**

Vitamins		
Vitamin A <sup>e, f</sup>	IU/g	37.0
Vitamin D <sub>3</sub> <sup>e, g</sup>	IU/g	3.0
Vitamin E	IU/kg	170
Vitamin K <sub>3</sub> (menadione)	mg/kg	100
Vitamin B <sub>1</sub> (thiamin)	mg/kg	120
Vitamin B <sub>2</sub> (riboflavin)	mg/kg	17
Niacin (nicotinic acid)	mg/kg	129
Vitamin B <sub>6</sub> (pyridoxine)	mg/kg	21
Pantothenic Acid	mg/kg	107
Vitamin B <sub>12</sub> (cyanocobalamin)	mg/kg	0.13
Biotin	mg/kg	0.93
Folate	mg/kg	8
Choline	mg/kg	2380
Fatty Acids		
C16:0 Palmitic	%	0.7
C18:0 Stearic	%	0.1
C18:1ω9 Oleic	%	0.8
C18:2ω6 Linoleic	%	1.8
C18:3ω3 Linolenic	%	0.1
Total Saturated	%	0.9
Total Monounsaturated	%	1.0
Total Polyunsaturated	%	1.9
Other		
Cholesterol	mg/kg	50

<sup>a</sup> 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.

<sup>b</sup> Carbohydrate (available) is calculated by subtracting neutral detergent fiber from total carbohydrates.

<sup>c</sup> Neutral detergent fiber is an estimate of insoluble fiber, including cellulose, hemicellulose, and lignin. Crude fiber methodology underestimates total fiber.

<sup>d</sup> 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.

<sup>e</sup> Indicates added amount but does not account for contribution from other ingredients.

<sup>f</sup> 1 IU vitamin A = 0.3 µg retinol

<sup>g</sup> 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.