

## Teklad Global Guinea Pig Diet

**Product Description-** 2040 is a fixed formula, non-autoclavable diet manufactured with high quality ingredients and designed to support gestation, lactation, and growth. Contains added stabilized vitamin C (L-ascorbyl-2-polyphosphate) extending the shelf-life to six months from date of manufacture. **Also available certified (2040C) and irradiated (2940).**

Macronutrients		
Crude Protein	%	18.7
Fat (ether extract) <sup>a</sup>	%	3.3
Carbohydrate (available) <sup>b</sup>	%	33.5
Crude Fiber	%	11.9
Neutral Detergent Fiber <sup>c</sup>	%	25.2
Ash	%	8.3
Energy Density <sup>d</sup>	kcal/g (kJ/g)	2.5 (10.5)
Calories from Protein	%	31
Calories from Fat	%	12
Calories from Carbohydrate	%	57

Minerals		
Calcium	%	1.1
Phosphorus	%	0.8
Non-Phytate Phosphorus	%	0.5
Sodium	%	0.3
Potassium	%	1.3
Chloride	%	0.5
Magnesium	%	0.3
Zinc	mg/kg	77
Manganese	mg/kg	105
Copper	mg/kg	16
Iodine	mg/kg	6
Iron	mg/kg	340
Selenium	mg/kg	0.30

Amino Acids		
Aspartic Acid	%	1.8
Glutamic Acid	%	3.4
Alanine	%	1.1
Glycine	%	1.2
Threonine	%	0.8
Proline	%	1.3
Serine	%	1.0
Leucine	%	1.3
Isoleucine	%	0.8
Valine	%	0.9
Phenylalanine	%	0.9
Tyrosine	%	0.6
Methionine	%	0.4
Cystine	%	0.3
Lysine	%	1.0
Histidine	%	0.4
Arginine	%	1.0
Tryptophan	%	0.3

Teklad Diets are designed and manufactured for research purposes only.



**Ingredients** (in descending order of inclusion)- Dehydrated alfalfa meal, ground wheat, wheat middlings, ground oats, linseed meal, fish meal, dicalcium phosphate, iodized salt, L-ascorbyl-2-polyphosphate, calcium carbonate, magnesium oxide, DL-methionine, L-lysine, choline chloride, vitamin E acetate, menadione sodium bisulfite complex (source of vitamin K activity), manganous oxide, ferrous sulfate, zinc oxide, niacin, calcium pantothenate, copper sulfate, pyridoxine hydrochloride, riboflavin, thiamin mononitrate, vitamin A acetate, calcium iodate, vitamin B<sub>12</sub> supplement, folic acid, biotin, vitamin D<sub>3</sub> supplement, cobalt carbonate.

Standard Product Form: **Pellet**

Vitamins		
Vitamin A <sup>e, f</sup>	IU/g	15.0
Vitamin D <sub>3</sub> <sup>e, g</sup>	IU/g	1.5
Vitamin E	IU/kg	130
Vitamin K <sub>3</sub> (menadione)	mg/kg	50
Vitamin B <sub>1</sub> (thiamin)	mg/kg	18
Vitamin B <sub>2</sub> (riboflavin)	mg/kg	18
Niacin (nicotinic acid)	mg/kg	72
Vitamin B <sub>6</sub> (pyridoxine)	mg/kg	18
Pantothenic Acid	mg/kg	40
Vitamin B <sub>12</sub> (cyanocobalamin)	mg/kg	0.09
Biotin	mg/kg	0.43
Folate	mg/kg	4
Choline	mg/kg	1400
Fatty Acids		
C16:0 Palmitic	%	0.6
C18:0 Stearic	%	0.1
C18:1ω9 Oleic	%	0.5
C18:2ω6 Linoleic	%	1.0
C18:3ω3 Linolenic	%	0.4
Total Saturated	%	0.8
Total Monounsaturated	%	0.7
Total Polyunsaturated	%	1.4
Other		
Cholesterol	mg/kg	37
Vitamin C (ascorbic acid)	mg/kg	1050

<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 published predictive equations for rabbits (de Blas & Wiseman, *The Nutrition of the Rabbit*. CABI Publishing, 1998).

<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.