2016 Teklad Global 16% Protein Rodent Diet

***Product Description*—2016 Teklad Global 16% Protein Rodent Diet** is designed and manufactured with high quality ingredients. 2016 is a **fixed formula**, nutritionally balanced, non-autoclavable diet containing a minimum of 16% protein and 3.5% fat which supports growth and maintenance. 2016 does not contain alfalfa or soybean meal, thus minimizing the occurrence of natural phytoestrogens. Absence of animal protein and fish meal eliminates the presence of nitrosamines. For autoclavable diet please refer to 2016S Teklad Global 16% Protein Rodent Diet (Sterilizable). **Diet 2016 is available certified (2016C) and irradiated (2916).**

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

Macronutrients◆

Crude Protein	%	16.7
Crude Oil (Fat)	%	4.2
Crude Fiber	%	3.9
Ash	%	5.6
Carbohydrate (available)	%	56.0
Starch	%	52.0
Sugar	%	4.0
Digestible Energy[t]	Kcal/g (MJ/kg)	3.3(13.7)
Metabolizable Energy[t]	Kcal/g (MJ/kg)	3.2(13.3)
Calories from Protein*	%	20
Calories from Fat*	%	11
Calories from Carbohydrate*	%	69

Minerals◆

Calcium	%	0.98
Phosphorus	%	0.65
Sodium	%	0.25
Potassium	%	0.53
Chloride	%	0.42
Magnesium	%	0.21
Zinc	mg/kg	80.0
Manganese	mg/kg	124.0
Copper	mg/kg	15.0
Iodine (added)	mg/kg	12.0
Iron	mg/kg	240.0
Selenium	ug/kg	200
Cobalt	ug/kg	600
Chromium	ug/kg	500

Amino Acids◆

Aspartic Acid	%	1.04
Glutamic Acid	%	3.40
Alanine	%	1.03
Glycine	%	0.69
Threonine	%	0.57
Proline	%	1.57
Serine	%	0.81
Leucine	%	1.89
Isoleucine	%	0.74
Valine	%	0.83
Phenylalanine	%	0.89
Tyrosine	%	0.48
Phe + Tyr	%	1.37
Methionine	%	0.33
Cystine	%	0.31
Met + Cyst	%	0.64
Lysine	%	0.75
Histidine	%	0.41
Arginine	%	0.82
Tryptophan	%	0.15
Available Lysine	%	0.65

Standard Product Form: ***PELLET***

Vitamins◆

Vitamin A	iu/g	15.8
Retinol	mg/kg	4.8
Vitamin D_3	iu/g	1.5
Cholecalciferol	ug/kg	38
Vitamin E (a-tocopherol)	mg/kg	100.0
Vitamin K_3 (menadione)	mg/kg	51.3
Vitamin B_1 (thiamine)	mg/kg	17.2
Vitamin B_2 (riboflavin)	mg/kg	14.5
Avail. Niacin (nicotinic acid)	mg/kg	64.5
Vitamin B_6 (pyridoxine)	mg/kg	18.5
Pantothenic Acid	mg/kg	32.2
Vitamin B_{12} (cyanocobalamin)	ug/kg	80
Avail. Biotin	mg/kg	0.4
Folate	mg/kg	3.4
Vitamin C	mg/kg	—
Choline	mg/kg	1095.0
B Carotene	mg/kg	3.1
Inositol	mg/kg	1630.0

Fatty Acids◆

C16:0 Palmitic	g/kg	6.1
C18:0 Stearic	g/kg	0.9
C18:1ω9 Oleic	g/kg	8.9
C18:2ω6 Linoleic	g/kg	23.1
C18:3ω3 Linolenic	g/kg	1.5
Total Saturated	g/kg	7.3
Total Monounsaturated	g/kg	9.1
Total Polyunsaturated	g/kg	24.6
Cholesterol	mg/kg	—

*Calculations performed using values of 4 kcal/g for protein and carbohydrate and 9 kcal/g for oil (fat).

[t]**Digestible Energy** (DE) is the total (gross) amount of energy in the diet minus the energy eliminated in the feces. It accounts for energy contained in the indigestible portion of the diet. Of the digestible energy, some is lost as a result of various metabolic processes in the urine and sometimes in gases from the digestive tract. The remaining energy in the body is available to support metabolism and is known as the **Metabolizable Energy** (ME). This value more accurately reflects the usable energy contained in the diet.

◆Nutrient levels are calculated from raw material data and are adjusted to 10% moisture level in the diet. Nutrient values may vary due to the inherent variability in the natural ingredients and from laboratory analysis.