

Teklad Global 20% Protein Primate Diet

Product Description- 2050 is a fixed formula, non-autoclavable diet manufactured with high quality ingredients and designed to support gestation, lactation, and growth stages of most nonhuman primates. The higher fiber reduces energy density and helps maintain a leaner, more healthy body weight. Contains vitamin D₃ and added stabilized vitamin C (L-ascorbyl-2-polyphosphate) extending the shelf-life to six months from date of manufacture. **Also available certified (2050C).**

| Macronutrients | | |
|---------------------------------------|---------------|------------|
| Crude Protein | % | 20.0 |
| Fat (acid hydrolysis) ^a | % | 5.4 |
| Carbohydrate (available) ^b | % | 40.1 |
| Crude Fiber | % | 8.1 |
| Neutral Detergent Fiber ^c | % | 18.4 |
| Ash | % | 6.1 |
| Energy Density ^d | kcal/g (kJ/g) | 2.8 (11.7) |
| Calories from Protein | % | 29 |
| Calories from Fat | % | 14 |
| Calories from Carbohydrate | % | 57 |

| Minerals | | |
|------------------------|-------|------|
| Calcium | % | 1.0 |
| Phosphorus | % | 0.8 |
| Non-Phytate Phosphorus | % | 0.5 |
| Sodium | % | 0.4 |
| Potassium | % | 0.9 |
| Chloride | % | 0.6 |
| Magnesium | % | 0.2 |
| Zinc | mg/kg | 72 |
| Manganese | mg/kg | 90 |
| Copper | mg/kg | 14 |
| Iodine | mg/kg | 4 |
| Iron | mg/kg | 380 |
| Selenium | mg/kg | 0.22 |

| Amino Acids | | |
|---------------|---|-----|
| Aspartic Acid | % | 1.5 |
| Glutamic Acid | % | 3.0 |
| Alanine | % | 1.2 |
| Glycine | % | 1.0 |
| Threonine | % | 0.9 |
| Proline | % | 1.5 |
| Serine | % | 1.1 |
| Leucine | % | 2.2 |
| Isoleucine | % | 0.9 |
| Valine | % | 1.1 |
| Phenylalanine | % | 1.1 |
| Tyrosine | % | 0.7 |
| Methionine | % | 0.4 |
| Cystine | % | 0.4 |
| Lysine | % | 0.9 |
| Histidine | % | 0.6 |
| Arginine | % | 1.2 |
| Tryptophan | % | 0.2 |

Ingredients (in descending order of inclusion)- Ground corn, soybean hulls, wheat middlings, dehulled soybean meal, corn gluten meal, corn gluten feed, ground wheat, dehydrated alfalfa meal, dried whey, fish meal, sucrose, dicalcium phosphate, soybean oil, porcine animal fat (preserved with BHA), calcium carbonate, iodized salt, brewers dried yeast, L-ascorbyl-2-polyphosphate, choline chloride, calcium propionate, kaolin, ferrous sulfate, vitamin E acetate, manganous oxide, niacin, menadione sodium bisulfite complex (source of vitamin K activity), zinc oxide, copper sulfate, calcium pantothenate, vitamin A acetate, folic acid, pyridoxine hydrochloride, thiamin mononitrate, riboflavin, vitamin D₃ supplement, cobalt carbonate, vitamin B₁₂ supplement, ethylenediamine dihydriodide, biotin.

Standard Product Form: **Extruded**

| Vitamins | | |
|--|-------|------|
| Vitamin A ^{e, f} | IU/g | 19.5 |
| Vitamin D ₃ ^{e, g} | IU/g | 8.0 |
| Vitamin E | IU/kg | 105 |
| Vitamin K ₃ (menadione) | mg/kg | 13 |
| Vitamin B ₁ (thiamin) | mg/kg | 18 |
| Vitamin B ₂ (riboflavin) | mg/kg | 12 |
| Niacin (nicotinic acid) | mg/kg | 93 |
| Vitamin B ₆ (pyridoxine) | mg/kg | 17 |
| Pantothenic Acid | mg/kg | 27 |
| Vitamin B ₁₂ (cyanocobalamin) | mg/kg | 0.04 |
| Biotin | mg/kg | 0.33 |
| Folate | mg/kg | 18 |
| Choline | mg/kg | 2160 |
| Fatty Acids | | |
| C16:0 Palmitic | % | 0.7 |
| C18:0 Stearic | % | 0.2 |
| C18:1ω9 Oleic | % | 1.0 |
| C18:2ω6 Linoleic | % | 1.6 |
| C18:3ω3 Linolenic | % | 0.1 |
| Total Saturated | % | 0.9 |
| Total Monounsaturated | % | 1.2 |
| Total Polyunsaturated | % | 1.8 |
| Other | | |
| Cholesterol | mg/kg | 57 |
| Vitamin C (ascorbic acid) | mg/kg | 910 |

^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.

