

## DESCRIPTION

Certified Primate Diet is a high protein, complete life-cycle diet for all non-human primates. Its Constant Nutrition® formulation includes vitamin D<sub>3</sub> and stabilized vitamin C. It is available in an extruded biscuit form similar to regular Monkey Diet. A sample of this product will have been assayed prior to shipment. This diet is formulated using the unique and innovative concept of Constant Nutrition®, paired with the selection of highest quality ingredients to assure minimal inherent biological variation in long-term studies.

### Features and Benefits

- Constant Nutrition® formula helps minimize nutritional variables
- Each package is assayed prior to shipment for environmental contaminants
- Preanalysis monitoring assures maximum diet control
- Fulfills GLP requirements

### Product Forms Available

- Standard biscuit, 16 mm x 22 mm x 45 mm length (5/8"x7/8"x1 3/4")
- Meal (ground biscuits), special order

## GUARANTEED ANALYSIS

|                             |       |
|-----------------------------|-------|
| Crude protein not less than | 25.0% |
| Crude fat not less than     | 5.0%  |
| Crude fiber not more than   | 6.5%  |
| Moisture not more than      | 12.0% |
| Ash not more than           | 6.0%  |

## INGREDIENTS

Dehulled soybean meal, ground corn, ground wheat, corn gluten meal, wheat middlings, ground soybean hulls, porcine animal fat preserved with BHA, dried whey, dried beet pulp, dicalcium phosphate, monocalcium phosphate, fish meal, casein, brewers dried yeast, dehydrated alfalfa meal, salt, l-ascorbyl-2-polyphosphate, pyridoxine hydrochloride, menadione dimethylpyrimidinol bisulfite (vitamin K), cholecalciferol, choline chloride, vitamin A acetate, ferrous sulfate, folic acid, calcium pantothenate, DL-methionine, thiamin mononitrate, dl-alpha tocopheryl acetate, nicotinic acid, vitamin B<sub>12</sub> supplement, riboflavin, zinc oxide, manganous oxide, ferrous carbonate, copper sulfate, zinc sulfate, calcium iodate, cobalt carbonate, sodium selenite.

## FEEDING DIRECTIONS

Primates, like guinea pigs and man, require ascorbic acid in their daily diet. The stability of vitamin C varies with environmental conditions; therefore, Certified Primate Diet should be fed within 180 days of manufacture. Primates generally consume about 2% to 4% of their body weight in food each day. The daily food allowance should be given in equal portions twice during the day to prevent wastage. If given too much food, monkeys may throw it outside the cage. Fresh, clean water should be available at all times. Certified Primate Diet may be soaked in a fruit juice to soften the product for infants or animals that have difficulty chewing. Fruit juice is recommended because water soaking more rapidly deteriorates vitamin C. The use of fruit, vegetables or other supplements is optional and is not necessary. Product beyond 180 days of age is nutritionally adequate, if in good condition, providing a supplemental source of vitamin C is given. The date of product manufacture is found at the bottom of the back panel of the bag.

## CHEMICAL COMPOSITION<sup>1</sup>

### Nutrients<sup>2</sup>

|                   |             |
|-------------------|-------------|
| <b>Protein, %</b> | <b>25.9</b> |
| Arginine, %       | 1.43        |
| Cystine, %        | 0.37        |
| Glycine, %        | 1.06        |
| Histidine, %      | 0.62        |
| Isoleucine, %     | 1.33        |
| Leucine, %        | 2.56        |
| Lysine, %         | 1.27        |
| Methionine, %     | 0.48        |
| Phenylalanine, %  | 1.34        |
| Tyrosine, %       | 0.93        |
| Threonine, %      | 0.97        |
| Tryptophan, %     | 0.30        |
| Valine, %         | 1.33        |
| Serine, %         | 1.46        |
| Aspartic Acid, %  | 2.81        |
| Glutamic Acid, %  | 5.94        |
| Alanine, %        | 1.58        |
| Proline, %        | 2.05        |
| Taurine, %        | <0.01       |

### Fat (ether extract), %

### Fat (acid hydrolysis), %

|                                      |       |
|--------------------------------------|-------|
| Cholesterol, ppm                     | 67    |
| Linoleic Acid, %                     | 1.51  |
| Linolenic Acid, %                    | 0.10  |
| Arachidonic Acid, %                  | <0.01 |
| Omega-3 Fatty Acids, %               | 0.14  |
| Total Saturated Fatty Acids, %       | 1.59  |
| Total Monounsaturated Fatty Acids, % | 1.72  |

### Fiber (Crude), %

|                                          |      |
|------------------------------------------|------|
| Neutral Detergent Fiber <sup>3</sup> , % | 13.6 |
| Acid Detergent Fiber <sup>4</sup> , %    | 5.7  |

### Nitrogen-Free Extract

### (by difference), %

|             |      |
|-------------|------|
| Starch, %   | 36.7 |
| Glucose, %  | 0.16 |
| Fructose, % | 0.16 |
| Sucrose, %  | 2.72 |
| Lactose, %  | 1.68 |

### Total Digestible Nutrients, %

### Gross Energy, kcal/gm

### Physiological Fuel Value<sup>5</sup>,

### kcal/gm

### Metabolizable Energy,

### kcal/gm

### Minerals

|                             |            |
|-----------------------------|------------|
| <b>Ash, %</b>               | <b>6.6</b> |
| Calcium, %                  | 1.15       |
| Phosphorus, %               | 0.70       |
| Phosphorus (non-phytate), % | 0.43       |
| Potassium, %                | 0.96       |
| Magnesium, %                | 0.18       |

|                |      |
|----------------|------|
| Sulfur, %      | 0.28 |
| Sodium, %      | 0.23 |
| Chlorine, %    | 0.36 |
| Fluorine, ppm  | 25   |
| Iron, ppm      | 520  |
| Zinc, ppm      | 150  |
| Manganese, ppm | 130  |
| Copper, ppm    | 21   |
| Cobalt, ppm    | 0.68 |
| Iodine, ppm    | 1.8  |
| Chromium, ppm  | 1.6  |
| Selenium, ppm  | 0.30 |

### Vitamins

|                                       |      |
|---------------------------------------|------|
| Carotene, ppm                         | 1.7  |
| Vitamin K (as menadione), ppm         | 3.0  |
| Thiamin Hydrochloride, ppm            | 15   |
| Riboflavin, ppm                       | 8.7  |
| Niacin, ppm                           | 100  |
| Pantothenic Acid, ppm                 | 60   |
| Choline Chloride, ppm                 | 1800 |
| Folic Acid, ppm                       | 11   |
| Pyridoxine, ppm                       | 14   |
| Biotin, ppm                           | 0.17 |
| B <sub>12</sub> , mcg/kg              | 48   |
| Vitamin A, IU/gm                      | 43   |
| Vitamin D <sub>3</sub> (added), IU/gm | 6.6  |
| Vitamin E, IU/kg                      | 110  |
| Ascorbic Acid, mg/gm                  | 0.75 |

### Calories provided by:

|                        |        |
|------------------------|--------|
| Protein, %             | 30.399 |
| Fat (ether extract), % | 12.346 |
| Carbohydrates, %       | 57.255 |

### \*Product Code

1. Formulation based on calculated values from the latest ingredient analysis information. Since nutrient composition of natural ingredients varies and some nutrient loss will occur due to manufacturing processes, analysis will differ accordingly.
2. Nutrients expressed as percent of ration except where otherwise indicated. Moisture content is assumed to be 10.0% for the purpose of calculations.
3. NDF = approximately cellulose, hemicellulose and lignin.
4. ADF = approximately cellulose and lignin.
5. Physiological Fuel Value (kcal/gm) = Sum of decimal fractions of protein, fat and carbohydrate (use Nitrogen Free Extract) x 4,9,4 kcal/gm respectively.