

**DESCRIPTION**

TestDiet® AIN-76A Purified Diet, Rat or Mouse is identical to AIN-76 except the level of vitamin K added. In AIN-76A Diet, the vitamin K has been increased ten fold to 500 mcg per kilogram of diet. This diet may be modified for deficiency studies.

Storage conditions are particularly critical to TestDiet® products, due to the absence of antioxidants or preservative agents. To provide maximum protection against possible changes during storage, store in a dry, cool location. Storage under refrigeration (2° C) is recommended. Maximum shelf life is six months. (If long term studies are involved, storing the diet at -20° C or colder may prolong shelf life.) Be certain to keep in air tight containers.

| <b>Product Forms Available*</b> | <b>Catalog #</b> |
|---------------------------------|------------------|
| 1/2" Pellet                     | 22559            |
| Meal, Irradiated                | 49151            |
| 1/2" Pellet, Irradiated         | 50988            |
| Meal                            | 8056             |

*\*Other Forms Available By Request*

**INGREDIENTS (%)**

|                             |         |
|-----------------------------|---------|
| Sucrose                     | 49.9990 |
| Casein - Vitamin Free       | 20.0000 |
| Corn Starch                 | 15.0000 |
| Powdered Cellulose          | 5.0000  |
| Corn Oil                    | 5.0000  |
| AIN-76 Mineral Mix          | 3.5000  |
| AIN-76A Vitamin Mix         | 1.0000  |
| DL-Methionine               | 0.3000  |
| Choline Bitartrate          | 0.2000  |
| Ethoxyquin (a preservative) | 0.0010  |

**FEEDING DIRECTIONS**

Feed ad libitum to mice and rats. Plenty of fresh, clean water should be available at all times.

**CAUTION:**

**Perishable - store properly upon receipt.**

**For laboratory animal experimental use only, NOT for human consumption.**

4/25/2006

**NUTRITIONAL PROFILE <sup>1</sup>**

|                   |             |                           |      |
|-------------------|-------------|---------------------------|------|
| <b>Protein, %</b> | <b>18.4</b> | <b>Minerals</b>           |      |
| Arginine, %       | 0.70        | Calcium, %                | 0.52 |
| Histidine, %      | 0.52        | Phosphorus, %             | 0.56 |
| Isoleucine, %     | 0.96        | Phosphorus (available), % | 0.56 |
| Leucine, %        | 1.73        | Potassium, %              | 0.36 |
| Lysine, %         | 1.45        | Magnesium, %              | 0.05 |
| Methionine, %     | 0.82        | Sodium, %                 | 0.10 |
| Cystine, %        | 0.07        | Chlorine, %               | 0.16 |
| Phenylalanine, %  | 0.96        | Fluorine, ppm             | 0.0  |
| Tyrosine, %       | 1.01        | Iron, ppm                 | 35   |
| Threonine, %      | 0.77        | Zinc, ppm                 | 36   |
| Tryptophan, %     | 0.22        | Manganese, ppm            | 59   |
| Valine, %         | 1.14        | Copper, ppm               | 6.0  |
| Alanine, %        | 0.55        | Cobalt, ppm               | 0.0  |
| Aspartic Acid, %  | 1.29        | Iodine, ppm               | 0.21 |
| Glutamic Acid, %  | 4.08        | Chromium, ppm             | 2.0  |
| Glycine, %        | 0.39        | Molybdenum, ppm           | 0.00 |
| Proline, %        | 2.36        | Selenium, ppm             | 0.11 |
| Serine, %         | 1.10        |                           |      |
| Taurine, %        | 0.00        | <b>Vitamins</b>           |      |

|                                      |             |                               |       |
|--------------------------------------|-------------|-------------------------------|-------|
| <b>Fat, %</b>                        | <b>5.0</b>  | Vitamin A, IU/g               | 4.0   |
| Cholesterol, ppm                     | 0           | Vitamin D-3 (added), IU/g     | 1.0   |
| Linoleic Acid, %                     | 2.86        | Vitamin E, IU/kg              | 50.0  |
| Linolenic Acid, %                    | 0.05        | Vitamin K (as menadione), ppm | 0.50  |
| Arachidonic Acid, %                  | 0.00        | Thiamin Hydrochloride, ppm    | 6.0   |
| Omega-3 Fatty Acids, %               | 0.05        | Riboflavin, ppm               | 6.0   |
| Total Saturated Fatty A              | 0.64        | Niacin, ppm                   | 30    |
| Total Monounsaturated Fatty Acids, % | 1.21        | Pantothenic Acid, ppm         | 15    |
| Polyunsaturated Fatty Acids, %       | 2.90        | Folic Acid, ppm               | 2.0   |
|                                      |             | Pyridoxine, ppm               | 5.8   |
|                                      |             | Biotin, ppm                   | 0.2   |
| <b>Fiber (max), %</b>                | <b>5.0</b>  | Vitamin B-12, mcg/kg          | 10    |
|                                      |             | Choline Chloride, ppm         | 1,000 |
| <b>Carbohydrates, %</b>              | <b>66.4</b> | Ascorbic Acid, ppm            | 0.0   |

**Energy (kcal/g) <sup>2</sup>**

| <b>From:</b>        | <b>kcal</b> | <b>%</b> |
|---------------------|-------------|----------|
| Protein             | 0.734       | 19.1     |
| Fat (ether extract) | 0.453       | 11.8     |
| Carbohydrates       | 2.656       | 69.1     |

1. Based on the latest ingredient analysis information. Since nutrient composition of natural ingredients varies, analysis will differ accordingly. Nutrients expressed as percent of ration on an As Fed basis except where otherwise indicated.  
2. Energy (kcal/gm) - Sum of decimal fractions of protein, fat and carbohydrate x 4,9,4 kcal/gm respectively.

