

DESCRIPTION

Advanced Protocol™ Verified Casein Diet 1 IF is a natural ingredient diet, formulated to be used in experimental protocols where dietary estrogenic activity is a concern. Recommended for rats, mice and hamsters, it meets the nutrient specifications as shown for NIH-31 in the 1996 update. NIH-31 is usually autoclaved, however 5K96 had some adjustments made to the vitamin content in order to compensate for the different levels in vitamin destruction when comparing irradiation and autoclaving. It is a complete diet designed to be fed free choice.

Features and Benefits

- 5K96 consistently analyzes at less than 1.0 ppm total isoflavones (aglycone equivalents of genistein, daidzein and glycitein), while other natural ingredient laboratory rodent diets contain higher levels.
- Available in Irradiated or Non-Irradiated form.

Product Forms Available

- Round pellets, 1 1/2" round x 3/4" long
- Meal (ground pellets)

GUARANTEED ANALYSIS

Crude protein not less than19.0%
 Crude fat not less than 4.0%
 Crude fiber not more than 5.0%

INGREDIENTS

Ground wheat, ground corn, wheat middlings, ground oats, fish meal, casein, corn gluten meal, corn oil, dicalcium phosphate, brewers dried yeast, calcium carbonate, salt, choline chloride, magnesium oxide, dl-alpha tocopheryl acetate (source of vitamin E), manganese oxide, nicotinic acid, vitamin A acetate, calcium pantothenate, thiamin mononitrate, menadione sodium bisulfite (source of vitamin K), pyridoxine hydrochloride, riboflavin, cholecalciferol (source of vitamin D₃), cyanocobalamin (source of vitamin B₁₂), folic acid, biotin, zinc oxide, ferrous carbonate, copper sulfate, zinc sulfate, calcium iodate, cobalt carbonate.

FEEDING DIRECTIONS

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

CHEMICAL COMPOSITION¹**Nutrients²**

Protein, %**19.0**
 Arginine, % 0.94
 Cystine, % 0.24
 Glycine, % 0.85
 Histidine, % 0.45
 Isoleucine, % 0.85
 Leucine, % 1.64
 Lysine, % 0.96
 Methionine, % 0.44
 Phenylalanine, % 0.88
 Tyrosine, % 0.56
 Threonine, % 0.70
 Tryptophan, % 0.22
 Valine, % 1.01
 Serine, % 0.89
 Aspartic Acid, % 1.53
 Glutamic Acid, % 4.39
 Alanine, % 1.08
 Proline, % 1.61
 Taurine, % 0.03

Fat (ether extract), %**4.3**

Fat (acid hydrolysis), %**5.3**

Cholesterol, ppm 0.02
 Linoleic Acid, % 2.11
 Linolenic Acid, % 0.06
 Arachidonic Acid, % 0.01
 Omega-3 Fatty Acids, % 0.17
 Total Saturated Fatty Acids, % 0.97
 Total Monounsaturated
 Fatty Acids, % 1.16

Fiber (Crude), %**3.6**

Neutral Detergent Fiber³, % 14.2

Acid Detergent Fiber⁴, % 4.6

Nitrogen-Free Extract

(by difference), %**57.2**

Starch, % 44.8

Glucose, % 0.16

Fructose, % 0.16

Sucrose, % 0.40

Lactose, % 0.00

Total Digestible Nutrients, %**75.2**

Gross Energy, kcal/gm**4.05**

Physiological Fuel Value⁵,

kcal/gm**3.44**

Metabolizable Energy,

kcal/gm**3.15**

Minerals

Ash, %**5.8**

Calcium, % 1.15

Phosphorus, % 0.89

Phosphorus (non-phytate), % 0.67

Potassium, % 0.44

Magnesium, % 0.20

Sulfur, % 0.17

Sodium, % 0.28

Chlorine, % 0.49

Fluorine, ppm 14

Iron, ppm 170

Zinc, ppm 85

Manganese, ppm 130

Copper, ppm 10

Cobalt, ppm 0.28

Iodine, ppm 0.88

Chromium, ppm 1.01

Selenium, ppm 0.28

Vitamins

Carotene, ppm 1.6

Vitamin K (as menadione), ppm 7.1

Thiamin Hydrochloride, ppm 26

Riboflavin, ppm 8.6

Niacin, ppm 91

Pantothenic Acid, ppm 29

Choline Chloride, ppm 1800

Folic Acid, ppm 2.7

Pyridoxine, ppm 10

Biotin, ppm 0.3

B₁₂, mcg/kg 44

Vitamin A, IU/gm 25

Vitamin D₃ (added), IU/gm 2.0

Vitamin E, IU/kg 93

Ascorbic Acid, mg/gm —

Calories provided by:

Protein, % 22.022

Fat (ether extract), % 11.361

Carbohydrates, % 66.617

*Product Code

1. Based on the latest ingredient analysis information. Since nutrient composition of natural ingredients varies, 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, hemi-cellulose 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.

For ordering information, contact TestDiet® at 765-966-1885.