

*The
Connecticut
Agricultural
Experiment
Station,
New Haven*

Feed Products
and Pet Foods
Inspected 1991

BY LESTER HANKIN

Bulletin 903

April 1992

Results of chemical analyses of 554 official samples of feed products and pet foods collected during 1991 by inspectors of the Connecticut Department of Agriculture are presented in this Bulletin. Feeds for farm animals as well as for pets, including caged and wild birds, were tested.

Table 1 shows individual samples from 76 manufacturers. In the Table the brand name for individual products from each manufacturer is followed by the percentage guarantee for the nutrients protein, fat, fiber, and ash. For example, the numbers 10, 8, 4, 2 indicate that a minimum of 10% protein, a minimum of 8% fat, a maximum of 4% fiber, and a maximum of 2% ash are guaranteed. The analyses are then shown with a deficiency in protein and fat followed by a dash (-) and an excess in fiber and ash followed by a plus sign (+).

Table 2 summarizes the number of samples from each manufacturer and the number of guarantees for ash. The number of guarantees for protein, fat, and fiber is the same as the number of samples. The average percentage for each nutrient for each manufacturer is then shown.

Two types of variability affect feed and pet food analysis and must be considered in judging deficiencies. The first is the variability among different batches of the same product. This variability can be noted by examination of the results of analyses of the same product from the same manufacturer. The second type of variability is among duplicate analysis on the same product. This variability is shown by the statement: the mean difference between duplicates for protein, fat, fiber, and ash is about three-tenths percent.

Feed and pet foods are deemed deficient in protein and fat and excessive in fiber and ash if the analysis is not within analytical variations recommended by the Association of American Feed Control Officials. For all samples, only 21, or 3.8%, were found to be deficient in protein content, five samples, or 0.9%, were deficient in fat, three samples, or 0.5%, contained an excess of fiber and one sample, or 0.2%, contained an excess of ash.

Analyses were by Mamie Pyles, Craig Musante, and David Stilwell. Samples were collected by Melanie Attwater, Raymond Weller and Alton VanDyke under the direction of Alton VanDyke, Feed Control Official of the Department of Agriculture. Feed laws are administered by the Commissioner of the Connecticut Department of Agriculture.

Lester Hankin
Chief, Analytical Chemistry

Table 1. Analysis of individual samples.

	Guarantee %			Nutrients found %				
	Prot.	Fat	Fiber	Ash	Prot.	Fat	Fiber	Ash
8 IN 1 PET PRODUCTS								
8 in 1 Gerbil Food	12	4	8		12.9	3.8	6.8	
8 in 1 Hamster/Gerbil Vegetable & Nut Treat	12	7.5	8.5		15.2	7.0	6.0	
8 in 1 Honey Cakes for Guinea Pigs & Rabbits	12	7	7.5		12.7	7.5	5.4	
AGWAY								
Agway	14	4	8		14.8	4.9	5.3	
Agway	18	9	4		20.1	11.8	2.1	
Agway Big Red Producers Choice 15	15	2	18		15.4	2.9	16.7	
Agway Choice for Horses	12	2	20		13.4	4.2	14.2	
Agway Country Feeds 14% Pelleted Horse Feed	14	4	10		16.9	5.0	5.5	
Agway Country Feeds Chicken Grower (Med)	14.5	3.5	4		18.6	4.9	3.7	
Agway Country Feeds Egg Layer Mash	16	3	4		16.4	3.4	3.2	
Agway Country Feeds Egg Layer Pellets	16	3	4		16.6	3.7	3.2	
Agway Country Feeds Game & Turkey Grower (Med)	21	3	4.5		21.1	3.0	2.4	
Agway Country Feeds Mare 'N Foal	16	3	8		22.0	3.8	6.7	
Agway Country Feeds Recreational Horses 12% Pellet	12	2.5	20		12.6	3.4	11.3	
Agway Country Feeds Turkey Grower (F) Medicated	21	3	4.5		21.6	3.9	2.8	
Agway Crunchy Pro-Right 16	16	3	7		17.7	5.9	3.6	
Agway Early Market Lamb Pellets	14	2	18		14.5	3.6	17.5	
Agway GroRight Complete Calf 1 (Bov) (Med)	15	2	23		16.1	3.6	16.8	
Agway Llama Pellet	13	2.5	17		15.3	3.7	15.5	
Agway Personalized Rabbit Food 16%	16	1.5	17		16.9	2.9	13.2	
Agway Pro: Lean 14% Hog Feed (T20) (Med)	14	3	5		14.9	3.0	3.4	
Agway Pro: Lean 14% Hog Feed Pellets	14	3	5		14.6	3.5	3.1	
Agway Pro: Lean 16% Sow & Pig Feed	16	3	5		16.6	3.1	3.3	
Agway Pro: Lean Sow & Pig (T 40) Med	16	3	5		16.2	2.8	2.2	
Agway Pro: Lean Squealer Pellets (MX)	18	4	3		17.4	5.3	4.5	
Agway Prolab Rat, Mouse, Hamster 3500	22	5	5		22.1	6.6	4.6	
Agway Ratio: Rite 16	16	3	7		19.4	5.1	3.0	
Agway Ratio: Rite 16	16	3	7		16.4	4.7	4.9	
Agway Veal-Gro Finish 18-18	18	18	0.25		18.7	20.7	0.2	
Li'l Red Original Flavor Cat Dinner	31	10	3		35.2	13.5	2.3	
ALFAPET								
AlfaPet Parakeet Budgie Finch Treat	10	3	9		14.4	15.3	4.7	
AlfaPet Parakeet Canary Finch Condition Food	20	8	8		26.4	7.6	5.3	
AlfaPet Parakeet Canary Finch Moulting Food	17	7	8		20.4	7.2	5.0	
AlfaPet Rabbit Pellets/Hamsters, Gerbils & Mice	20	2	17		20.6	2.3	20.0	
ALLIED FOODS								
Calo Original Flavor Dog Food	8	2	1.5		8.8	2.3	1.1	
Twin Pet Chicken Flavor Dog Food	8	2	1.5		8.3	3.1	0.7	
ALPO PET FOODS								
ALPO Beef & Liver Dinner for Dogs	9	5	1		12.5	6.4	0.6	
ALPO Beef Prime Banquet Premium Cat Food	11	5	1	2.5	13.2	6.6	0.6	2.5
ALPO Chicken, Liver & Bacon Dinner for Dogs	9	6	1		10.7	9.5	0.5	
ALPO Prem Cat Food Prime Ocean Whitefish Treat	11	3	1	3	11.4	6.0	0.9	3.0
ALPO Premium Cat Food-Turkey & Giblets Banquet	10	5	1	2.5	11.9	7.9	1.0	2.5
ALPO Prime Captain's Table Premium Cat Food	11	4	1	3	12.6	4.3	0.4	3.1
ALPO Prime Liver/Chicken Banquet Prem Cat Food	11	5	1	2.5	11.5	5.8	0.7	2.4

Table 1. Analysis of individual samples (continued).

	Guarantee %				Nutrients found %			
	Prot.	Fat	Fiber	Ash	Prot.	Fat	Fiber	Ash
BAY-MOR PET FEEDS								
Bay-Mor Ace High King Pigeon Feed	14	2	5		14.2	3.1	2.5	
Bay-Mor NC 60 Pidgeon Feed	17	2	5		17.5	1.9	4.6	
Bay-Mor PC-800 Pidgeon Feed	13	2	5		12.9	2.4	3.9	
Bay-Mor PC-800 Pidgeon Feed	13	2	5		13.6	5.0	4.1	
Bay-Mor Pigeon Candy	18	2	5		15.1-	2.5	5.5	
BEST BRAND PRODUCTS								
Puppizza Treats Double Cheese Flavor Dog Treats	20	4	2		20.2	5.0	0.9	
BEST FEEDS & FARM SUPPLIES								
Joy Dog Food Original	26	10	4	10	28.0	12.8	2.6	9.1
BIG PET PET FOODS								
Big Bet Chicken Dinner For Dogs	9	8	1.5		10.5	8.7	1.7	
BIL-JACK FOODS								
Bil-Jac Cat Food	31	18	3.5	6.5	32.7	19.1	2.0	6.0
Bil-Jac Lite Dog Food	17	10	5		17.9	10.0	3.5	
Bil-Jac Puppy Food	28	18	4		29.7	18.9	2.8	
Bil-Jac Select Dog Food	27	17	4		27.4	18.6	2.8	
BLUE RIBBON PET PRODUCTS								
Blue Ribbon TubiFex Worms	48	12	7		49.8	18.4	2.7	
BLUE SEAL FEEDS								
Blue Seal Broiler Crumbles CB Medicated	21	6.5	3		21.4	6.5	2.8	
Blue Seal Bunny 16 Pels	16	2.5	18		16.5	4.4	18.3	
Blue Seal Caprine Challenge Coarse Goat Feed	18	3	7		19.1	5.1	4.3	
Blue Seal Charger	14	2	12		14.9	3.2	8.0	
Blue Seal Charger	14	2	12		15.3	7.5	8.5	
Blue Seal Coarse 14	14	3	8		14.8	4.5	7.2	
Blue Seal Coarse 16	16	3	8		16.9	4.9	2.9	
Blue Seal Coarse Cracked Corn	8	2.5	2.5		9.0	6.9	2.2	
Blue Seal Coarse Cracked Corn	8	2.5	2.5		9.3	7.6	1.8	
Blue Seal Contender	16	3	7.5		17.7	4.0	5.1	
Blue Seal Contender Horse Feed Pellets	16	3	7.5		16.5	5.0	6.3	
Blue Seal Course 14	14	3	8		16.5	2.9	6.9	
Blue Seal Course 16	16	3.5	8		18.3	6.4	7.8	
Blue Seal Demand Horse Feed	16	6.5	6.5		18.4	8.6	5.1	
Blue Seal Demand Horse Pellets w/High Fat	16	6.5	6.5		17.4	7.0	5.0	
Blue Seal Energizer 20 Dairy Pellets	20	2.5	5.5		20.3	3.9	3.5	
Blue Seal Fat and Finish Pellets	18	4.5	3.5		18.1	4.3	3.1	
Blue Seal Game Bird Crumbles	20	4.5	4		20.7	4.9	2.4	
Blue Seal Game Bird Crumbles	20	4.5	4		20.0	4.8	3.8	
Blue Seal Grower Cal Mash	15	3	4		15.8	3.7	2.9	
Blue Seal Grower Cal Mash	15	3	4		15.4	3.0	2.4	
Blue Seal Guinea Pig Pellets	20	4	16		20.8	5.0	14.0	
Blue Seal Guinea Pig Pellets	20	4	16		21.1	4.5	11.9	
Blue Seal Guinea Pig Pellets w/Vitamin C	20	4	16		21.3	4.4	14.0	
Blue Seal Guinea Pig Pellets w/Vitamin C	20	4	16		21.4	4.4	12.9	
Blue Seal Hi-Pro 20 Pels Rabbit Pellets	20	2.5	12		21.0	4.3	11.2	
Blue Seal Hi-Pro 20 Rabbit Pellets	20	2.5	12		20.9	3.7	11.5	

Table 1. Analysis of individual samples (continued).

	Guarantee %			Ash	Nutrients found %			Ash
	Prot.	Fat	Fiber		Prot.	Fat	Fiber	
Blue Seal Hi-Pro 20 Rabbit Pellets	20	2.5	12		21.7	3.9	11.1	
Blue Seal Hutch 18 Pellets	18	2.5	15		18.4	3.6	14.4	
Blue Seal Hutch 18 Pels	18	2.5	15		18.6	4.4	12.0	
Blue Seal Kat Krunchies	30	11	4	7.5	31.4	13.2	2.0	7.7
Blue Seal Lamb BT Pellets	18	2.5	7		17.5	3.2	1.9	
Blue Seal Lamb BT Pellets	18	3.5	7		20.4	4.0	3.7	
Blue Seal Lamb BT Pellets (Med)	18	2.5	7		19.1	5.1	3.0	
Blue Seal Lamb Finisher Pellets	15	3.5	7		15.9	3.3	2.9	
Blue Seal Lamb Finisher Pellets	15	3.5	7		15.4	5.3	3.1	
Blue Seal Layer Mash	15	3	4		15.8	3.3	3.1	
Blue Seal Layer Mash	15	3	4		15.7	3.9	3.2	
Blue Seal Layer Mash	15	3	4		15.8	4.8	2.8	
Blue Seal Layer Mash	15	3	4		16.9	2.9	3.0	
Blue Seal Layer Pellets	15	3	4		15.1	3.2	3.2	
Blue Seal Layer Pellets	15	3	4		15.6	5.3	3.7	
Blue Seal Layer Pellets	15	3	4		15.1	2.8	2.6	
Blue Seal Milk M/aker 16	16	2	10		16.6	6.8	9.3	
Blue Seal Milk Maker 16	16	2	10		16.3	3.8	10.0	
Blue Seal Milk Maker 16	16	2	10		17.7	4.0	9.0	
Blue Seal Milk Maker 16	16	3	8.5		17.1	3.6	5.2	
Blue Seal Milk Maker 20	20	3	8.5		21.3	4.1	9.0	
Blue Seal Nip 'N Tuck Dog Food	18	6	7		18.4	11.2	4.9	
Blue Seal Pacer	12	2.5	9		17.2	3.8	6.3	
Blue Seal Pacer	12	2.5	9		15.4	6.3	7.0	
Blue Seal Pelleted Beet Pulp	7	0.3	22		8.5	0.6	15.6	
Blue Seal Pelleted Beet Pulp	7	0.3	22		9.1	1.6	19.7	
Blue Seal Pig & Sow Pellets	15	3	7		15.4	4.7	5.4	
Blue Seal Pig & Sow Pellets	15	3	7		15.7	3.4	4.2	
Blue Seal Pig & Sow Pellets	15	3	7		15.6	2.9	7.5	
Blue Seal Puppy Formula 28	28	10	4		28.1	12.1	2.6	
Blue Seal Rider	12	2.5	9		14.4	2.6	7.8	
Blue Seal Scratch Feed	9	2.5	5		9.3	4.6	4.5	
Blue Seal Songmaker	11	8	10		12.0	8.9	6.3	
Blue Seal Strider	11	2.5	7		11.1	4.0	7.7	
Blue Seal Strider Horse Pellets	11	2.5	7		11.3	5.3	7.2	
Blue Seal Sunshine Plus with Yeast Culture	25	2	4		25.3	2.6	3.4	
Blue Seal Trotter	14	2	20		15.1	5.0	12.2	
Blue Seal Trotter	14	2	20		14.9	3.8	11.7	
Blue Seal Trotter	14	2	20		14.9	3.6	12.1	
Blue Seal Trotter Complete Horse Ration Pellets	14	2	20		14.4	5.6	11.3	
Blue Seal Turkey Grower Pellets	20	4.5	4		20.5	4.2	2.9	
Blue Seal Turkey Grower Pellets	20	4.5	4		20.6	9.9	2.1	
Blue Seal Turkey Grower Pellets	20	4.5	4		20.4	5.0	3.5	
Blue Seal Turkey Grower Pellets HS Medicated	20	4.5	4		20.3	5.3	3.4	
Blue Seal Ultra "27" Dog Food	27	15	4		27.4	15.9	2.5	
Blue Seal Wild Bird Feed	10	5	7.5		11.8	10.0	5.9	
Game Bird Crumbles	20	4.5	4		20.9	4.2	4.2	
Gentry Premium Formula Dog Food	30	20	4		32.7	20.7	3.8	
BUMBLE BEE SEAFOODS								
Figaro Cat Food Tuna	18	2	1	3	20.5	3.2	1.1	1.7

Table 1. Analysis of individual samples (continued).

	Guarantee %			Nutrients found %				
	Prot.	Fat	Fiber	Ash	Prot.	Fat	Fiber	Ash
CADILLAC PET FOODS								
Cadillac 6 in 1 for Cats	10	6	1	2	10.0	8.6	0.5	2.0
Cadillac Beef Dinner for Dogs	9	5	1.5	3.5	15.5	6.5	0.8	2.2
Cadillac Chicken Dinner for Dogs	9	5	1.5	3.5	10.6	9.0	0.7	1.2
Cadillac Turkey Dinner for Dogs	9	5	1.5		9.0	12.7	0.5	
CALO PET FOODS								
Calo Original Flavor Dog Food	10	4	1.5	3.5	10.6	4.8	1.0	1.2
CARGILL								
Harvest Grains Cracked Corn	8	3	3		8.8	4.7	2.2	
Nutrena 16 AP Textured Feed	16	2.5	8		17.3	4.5	5.3	
Nutrena 16% Rabbit Pellets	16	2.5	18		16.1	4.0	17.0	
Nutrena 48% Soybean Meal	48	0.5	3.5	7	49.3	2.4	2.8	6.2
Nutrena Calf Milk Replacer Snowflakes	21	15	0.5		22.9	17.5	0.6	
Nutrena Cat Food	30	9	3.5	6.5	31.6	16.0	2.1	5.5
Nutrena Egg Producer	16	3	4.5		16.3	3.6	3.0	
Nutrena Egg Producer Pellets	16	3	4.5		16.4	4.5	3.1	
Nutrena Excel 16 Dairy Feed	16	2.5	10		16.3	5.2	10.9	
Nutrena Gold Flake Calf Starter (Med)	18	3	7		19.6	4.1	5.7	
Nutrena Harvest Grains Whole Corn	8	3	3		8.4	5.1	2.1	
Nutrena Horse Feed 12 Pellets	12	2.5	10		16.8	3.0	10.5	
Nutrena Horse Kwik Ration	14	2	20		15.0	4.8	16.5	
Nutrena Horse Kwik Ration	14	2	20		14.3	3.9	19.0	
Nutrena Meat Bird Grower	21	3.5	5		21.1	3.4	3.1	
Nutrena Pig & Hog Feed	15	2.5	7		16.1	3.6	5.1	
Nutrena Pig & Hog Feed	15	2.5	7		16.9	3.3	5.7	
Nutrena Pig & Hog Feed	15	2.5	7		15.9	4.8	5.9	
Nutrena Pig Starter Pellets	18	3.5	4		18.5	4.3	3.0	
Nutrena Poultry Feed	19	3	4		19.5	3.6	4.0	
Nutrena Rabbit Pellets	16	2.5	18		16.4	3.5	16.5	
Nutrena Rabbit Pellets	16	2.5	18		17.3	3.7	13.8	
Nutrena Race Horse Oats	10	3.5	11		11.4	4.7	8.3	
Nutrena Sing 'N Soar Wild Bird Seed	10	3.5	10		10.1	7.0	3.7	
Nutrena Top Goat 17 Sweet Food	17	3	7		17.9	3.5	5.5	
Nutrena Top Lamb 16 Feed	16	2	10		17.0	4.0	10.2	
Nutrena Triumph 12 Horse Pellets	12	2.5	10		13.5	4.5	10.3	
Nutrena Triumph 12 Horse Pellets	12	2.5	10		13.4	4.4	10.7	
Nutrena Triumph 14 Sweet Feed	14	2.5	12.5		14.5	3.7	6.0	
Nutrena Turkey/Gamebird Grower Crumbles	22	3	6		22.6	4.1	4.9	
Nutrena Turkey/Gamebird Grower Pellets	22	3	6		23.1	8.0	5.9	
Nutrena Turkey/Gamebird Grower Pellets	22	3	6		22.2	3.8	4.3	
Nutrena Turkey/Pheasant Starter	28	3.5	5		30.3	3.4	5.5	
Nutrena Turkey/Pheasant Starter Crumbles (Med)	28	3.5	5		29.0	4.7	3.2	
Nutrena Vitality 12 Horse Feed	12	3	6		13.5	3.3	5.3	
Nutrena Vitality 12 Sweet Feed (ABF)	12	3	6		12.6	3.9	3.3	
Nutrena Vitality 14 Horse Feed Pellet (ABF)	14	3	6		15.0	5.6	5.2	
Nutrena Vitality Horse Kwik Ration	14	2	20		15.0	4.1	10.5	
Nutrena Vitality Horse Kwik Ration	14	2	20		15.8	4.4	14.2	
Nutrena Vitality Milk Plus Pellets	28	3	3		29.5	3.1	2.7	

Table 1. Analysis of individual samples (continued).

	Guarantee %			Nutrients found %				
	Prot.	Fat	Fiber	Ash	Prot.	Fat	Fiber	Ash
Nutrena Wheat Bran	12	2.5	12		14.2	7.0	9.9	
Pro Energy Dog Food	25	12	3		26.7	13.5	1.8	
CARNATION CO.								
Fancy Feast Ocean White Fish & Tuna Cat Food	14	2.7	1		16.0	3.5	0.4	
Fancy Feast Seafood Feast Gourmet Cat Food	13	3	1	3.5	14.4	5.3	0.4	2.8
Fancy Feast Tuna & Sardines	15.5	2	1	3.5	16.8	3.1	0.2	3.3
Friskies for Cats Beef & Liver Flavor	31	8	4.5		33.7	7.5	2.3	
Friskies Fresh Catch Deep Sea Entree w/Halibut	14	3	1	3.5	13.6	4.7	0.3	2.8
Friskies Kitten Turkey Formula	12	6.5	1	2.9	13.3	10.5	0.8	2.7
Friskies Ocean Fish Flavor for Cats	31	8	4.5		34.7	7.8	2.0	
CHEF ANDRIV								
Chef Andriv Smoked Tuna 'n Crab Cat Food	11	5	1	1.9	13.0	5.6	1.1	1.8
CHESAPEAKE DEHYDRATORS								
Chesapeake Baled Hay Replacer (alfalfa)	15	1.5	30		16.7	2.4	26.5	
D D PET PRODUCTS								
Peck n' Co - Veggie	12.1	6.9	0.9		15.4	7.8	1.1	
DIETRICH OF CANADA								
Dietrich Adult Dog Food	26	15	4	9	26.4	14.8	3.1	6.9
Dietrich Puppy Food	28	17	3.5	9.2	25.5	18.5	2.9	7.4
EAGLE PRODUCTS								
Eagle Maintenance Pack Dog Food	20	12	4		21.7	12.7	3.5	
F. M. BROWNS								
Browns Parakeet Food	10	2.5	10		13.3	3.1	5.7	
FEDERAL FOODS								
Fromm Dog Food Performance	26	18	3.5	6.5	26.4	20.7	3.0	6.7
Fromm Feline	30	12	4	6.5	30.3	14.0	2.6	6.2
Fromm Lite Dog Food	18	8	4	6.5	18.0	12.9	2.6	5.2
Fromm Maintenance Dog Food	20	11	4	6.5	21.6	10.5	3.0	6.5
Fromm Pet Food Competition Dog Food	22	15	4	6.5	24.6	22.1	2.7	6.5
Fromm Puppy Food	26	12	4	6.5	26.3	16.3	2.8	6.9
FIRST NATIONAL SUPERMARKETS								
Finast Beef Chunks Dinner for Dogs	10	5	1.5		10.8	6.8	0.5	
Finast Chopped Chicken Dinner for Dogs	9	8	1.5		9.6	10.7	0.8	
Finast Horsemeat Chunks Dinner for Dogs	11	5	1.5		11.4	5.7	0.6	
Finast Horsemeat Chunks Dinner for Dogs	11	5	1.5		10.7	7.9	0.5	
Finast Lamb Chunks Dinner for Dogs	10	7	1.5		10.4	9.0	0.6	
Finast Liver Chunks Dinner for Dogs	11	5	1.5		11.3	6.2	0.5	
Finast Ocean Whitefish & Tuna Dinner Cat Food	14	4	1		14.1	4.9	0.5	
Finast Ocean Whitefish & Tuna Dinner Cat Food	14	4	1		14.6	5.7	0.5	
Finast Salmon Dinner Cat Food	14	5	1		14.4	4.5	0.9	
Finast Salmon Dinner Cat Food	14	5	1		14.1	5.3	0.4	
Finast Seafood Dinner Cat Food	14	7	1		12.6	7.3	0.4	
Finast Seafood Dinner Cat Food	14	7	1		14.4	7.1	0.3	
Finast Turkey & Giblets Dinner Cat Food	13	4	1		15.0	4.9	0.4	
Finast Turkey & Giblets Dinner Cat Food	13	4	1		13.0	5.1	0.5	

Table 1. Analysis of individual samples (continued).

	Guarantee %				Nutrients found %			
	Prot.	Fat	Fiber	Ash	Prot.	Fat	Fiber	Ash
FOODHOLD U.S.A.								
Finast Lamb Chunks Dinner for Dogs	10	7	1.5		11.5	9.1	0.9	
FRISKIES PET CARE PRODUCTS								
Fancy Feast Cod, Sole & Shrimp Feast Cat Food	14	2	1	3.5	16.6	4.7	0.2	3.7
Fancy Feast Flaked Fish & Shrimp Gourmet Cat Food	17.5	2	1	3	18.4	2.9	1.0	1.8
Fancy Feast Gourmet Chicken Feast Cat Food	10	5	1	3	12.9	8.3	1.0	2.9
Fancy Feast Savory Salmon Feast Cat Food	12	3	1	3.5	14.9	9.0	0.3	3.3
Friskies Fresh Catch Seafood for Cats in Jelly	13	12	1	1.3	13.1	13.2	0.9	1.3
Friskies Gourmet Flavor Chicken/Beef & Liver/Cats	31	8	4.5		34.5	11.8	2.2	
Friskies Poultry Platter Chicken & Turkey Cat Food	31	8	4.5		33.8	13.2	2.0	
Mighty Dog Beef & Chicken for Dogs & Puppies	10	8	1		13.1	11.7	0.3	
Mighty Dog Beef for Dogs & Puppies	10	8	1		13.6	11.0	0.9	
Mighty Dog Chicken & Liver for Dogs & Puppies	10	8	1		13.2	13.8	0.3	
Mighty Dog Chicken/Egg/Bacon Dogs & Puppies	10	8	1		10.9	9.6	1.0	
HARTZ MOUNTAIN CORP.								
Hartz Hamster & Gerbil Food	25.1	4	6		26.8	5.1	3.5	
Hartz Hamster/Guinea Pig Vitamin & Mineral Pellets	16	2	10		18.7	2.4	5.9	
Hartz Parakeet Bell w/Natural Honey Flavor	12	7	7		14.2	6.7	4.6	
Hartz Parrot Treat	17	3	5		14.0	3.9	2.3	
Hartz Sausage Shapes Beef Flavor Dog Treat	20	8	2.5		23.5	9.8	1.4	
Hartz Shrimp-el-etts Pelleted Fish Food	38	5	7		38.7	6.8	4.3	
HEATH MANUFACTURING CO.								
Heath Suet Cake	6	35	12		18.4	52.6	12.1	
Heath Suet Cake With Bird Feed	6	35	12		8.6	40.0	18.1+	
HEINHOLD FEEDS								
Heinhold 38% Sheep Concentrate Bovatec	38	1	8		38.3	3.2	8.2	
Heinhold Family Formula 17-17 Rabbit Pellets	17	2.5	17		17.9	3.2	16.5	
Heinold 16% Sheep Pellet	16	4	5.75		17.2	4.5	7.8+	
Heinold 38% Dairy Supplement	38	1.5	8		38.9	3.6	6.1	
Heinold Family Feed Rabbit Rations	17	2.5	16		18.1	3.4	13.3	
HEINZ PET PRODUCTS								
9 Lives Cat Food Turkey & Chicken Livers	10	4	1	3	11.7	6.0	0.7	3.1
9 Lives Lean Entrees Liver & Beef Cat Food	9	2.5	1	2.5	11.1	2.6	0.7	2.4
9 Lives Lean Entrees Liver & Beef Cat Food	9	2.5	1	2.5	9.6	3.3	0.2	2.5
9-Lives Cat Treats Tuna & Liver Flavor	24	8	3		25.8	7.7	2.3	
Amore Braised Liver Dinner for Cats	10	2	1	2.5	14.9	3.7	0.4	2.9
Amore Ocean Whitefish & Tuna Dinner for Cats	17.5	3.5	1	3	17.8	8.4	0.3	1.7
Amore Pacific Whitefish & Shrimp Dinner for Cats	17.5	3.5	1	3	18.8	3.8	0.7	1.8
Amore Turkey & Giblets Dinner for Cats	13	4	1	3	13.6	5.1	0.4	3.4
Jerky Treats Beef Flavor Strips Dog Snacks	33	15	3		33.8	24.6	1.8	
New Reward Hearty Ground Beef Dinner for Dogs	10	3	1		14.1	4.4	1.2	
New Reward Turkey & Giblets in Gravy for Dogs	10	3	1		13.8	5.0	0.2	
New Skippy Premium Smoky Beef Dinner for Dogs	8	3	1.5		10.7	4.0	0.9	
New Skippy Premium Turkey & Bacon Dinner for Dogs	8	3	1.5		8.4	7.5	0.3	
Recipe Beef Wellington Flavor for Dogs & Puppies	8	4	1.5		9.4	6.6	1.4	
Recipe Burger Dinner Cheese/Wedges Dog/Puppies	8	5	1.5		9.9	6.7	1.2	
Recipe Chunky Beef Stew for Dogs & Puppies	9	5	1.5		9.2	5.9	1.0	
Recipe Chunky Liver Dinner for Dogs & Puppies	8	4	1.5		9.4	6.4	0.9	

Table 1. Analysis of individual samples (continued).

	Guarantee %				Nutrients found %			
	Prot.	Fat	Fiber	Ash	Prot.	Fat	Fiber	Ash
Recipe Dog Treats Beef, Liver & Cheese	14	7	2.5		17.0	7.0	2.2	
Vets Chopped Chicken Flavor Dog Food	8	2	1.5		9.9	4.3	1.6	
Vets Hearty Beef Flavor Dog Food	8	2	1.5		9.2	3.0	1.2	
Vets Original Flavor Dog Food	8	2	1.5		8.3	3.5	1.3	
HIKARI SALES U.S.A.								
Hikari Cichlid Excel	35	4	3	10	44.0	3.7	3.4	9.6
HILL'S PET PRODUCTS								
Hill's Science Diet Adult Canine Maintenance	22	13	2	5	23.8	12.2	2.2	4.2
Hill's Science Diet Canine Maintenance Light	4	1.5	3	1.5	4.8	2.0	2.3	1.8
Hill's Science Diet Canine Maintenance	22	13	2	5	23.7	16.0	1.6	4.3
Hill's Science Diet Canine Senior	16	8	4.5	5	17.6	12.0	3.2	3.1
Hill's Science Diet Feline Growth	13	8	1	2.5	15.4	8.1	0.9	2.0
Hill's Science Diet Feline Maintenance Light	10	3	2.5	1.9	10.7	4.2	1.5	1.9
Hill's Science Diet Feline Maintenance Light	10	3	2.5	1.9	11.4	4.3	2.6	1.2
Hill's Science Diet Feline Maintenance	11.5	6.5	1	1.9	12.3	7.1	0.7	1.7
Hill's Science Diet Feline Maintenance	11.5	6.5	1	1.9	13.3	7.6	0.9	1.5
KAL KAN FOODS								
Sheba Beef Banquet in Meaty Juices for Cats	11	4	1	3	13.7	4.7	0.4	2.8
Sheba Salmon Banquet in Aspic for Cats	11	4	1	3	14.4	7.7	1.0	3.0
Whiskas Beef Entree in Aspic for Cats	11	4	1	3	12.1	6.5	1.1	3.0
Whiskas Expert A Scientific Diet Cat Food Low Calorie	8	4	2.5	2	9.9	7.8	1.3	1.8
Whiskas Expert A Scientific Diet for Cats Conditioning	9	7	1.5	2	11.1	11.5	0.3	1.4
Whiskas Expert A Scientific Diet for Cats Senior	8	6	2	2	11.1	12.1	0.3	1.7
Whiskas Expert Kitten Food Scientific Diet Growth	11	7.5	1	2	11.4	11.8	0.2	2.0
Whiskas Kitty Stew	8	5	1.5	3	11.9	7.9	0.4	2.6
Whiskas Poultry Liver Entree in Aspic for Cats	11	4	1	3	11.4	5.5	0.3	2.8
Whiskas Turkey Entree in Aspic for Cats	11	4	1	3	13.6	9.5	0.7	3.1
Whiskas Whitefish Entree in Aspic for Cats	11	4	1	3	13.1	5.5	1.0	2.7
KELLY FOODS CORP.								
Bil Jac Select Dog Food	27	17	4		27.8	17.6	3.5	
Bil-Jac Puppy Food	28	18	4		30.1	17.2	3.9	
L/M ANIMAL FARMS								
L/M Finch Food	9	2.5	7		14.2	7.8	7.5	
LAFEBER CO.								
Lafeber's Granera Chew Stick	20	6	6		24.3	10.2	5.1	
LICK YOUR CHOPS								
Lick Your Chops For Adult Dogs	25	12	10	7	28.2	11.9	7.2	7.0
Lick Your Chops for Kittens & Cats	31	15	4	4.5	34.6	10.0	2.6	4.2
Lick Your Chops for Puppies	28	11	4	7	28.8	12.4	3.1	5.7
MANCHESTER CO-OP								
16 Treat	16	3	8.5		18.9	6.3	7.1	
17 Cage Layer	17	3.5	4		18.4	5.8	3.0	
18 Cage Layer	18	3.5	4		19.1	5.8	3.4	
20 Cage Layer	20	3.5	4		21.4	6.9	4.0	
20 COAG	20	3	8.5		21.4	6.8	5.0	
20 HIG	20	3	8.5		21.8	6.2	5.5	

Table 1. Analysis of individual samples (continued).

	Guarantee %				Nutrients found %			
	Prot.	Fat	Fiber	Ash	Prot.	Fat	Fiber	Ash
20 Hipro	20	3	8.5		21.6	4.6	5.2	
20 Treat	20	3	8.5		21.3	5.5	6.8	
MANNA PRO CORP.								
Manna Pro Calf Manna	25	3	6	10	25.6	2.9	2.6	6.5
Manna Pro Calf Manna	25	3	6	10	25.0	6.8	3.0	8.8
MARTHA WHITE FOODS								
Bonkers Cat Treats	25	10	1		25.9	14.0	0.6	
Bonkers Cat Treats Gourmet	25	10	1		27.7	11.8	0.8	
MARTIN FEED MILLS								
40% Floating Trout Feed Grower Pellets	40	11	3		41.0	12.1	3.4	
MIDWESTERN PET FOODS								
Pro Pac 22 Total Fitness Diet For Dogs	22	11	5		24.9	10.5	2.6	
Pro Pac 22 Total Fitness Diet for Dogs	22	11	5		24.9	8.2-	2.2	
Pro Pac 26 Dog Food Kennel Pack Diet for Dogs	26	15	4		28.2	15.0	2.7	
Pro Pac 26 Kennel Pack Diet For Dogs	26	15	4		28.8	14.0	3.1	
Pro Pac 30 High Performance Diet for Dogs	30	20	3		34.0	16.2-	2.0	
MOYER & SON								
Moyer's Stress Pellets for Chickens & Turkeys	14	2.5	5		14.1	3.1	4.1	
Purgrain European Supreme Pigeon Mix	14.5	5.5	10		15.4	6.7	6.2	
Purgrain Philadelphia Special	14	2.5	5		13.0-	3.4	2.8	
Purgrain Racing Feed	17	1.5	5		17.6	2.5	3.0	
NUTRO PRODUCTS								
Max Mini Size Dog Food	26	16	4		27.5	17.6	3.3	
Nutro Max	26	16	4		27.8	16.5	3.3	
Nutro Max Cat Lite	32	12	6	6.5	32.1	12.6	4.7	5.2
Nutro Max Cat-Adult	32	18	2	6.5	35.6	18.7	2.1	6.0
Nutro Max Cat-Kitten	34	20	3	7	37.4	22.8	1.7	5.2
Nutro Max Dog Food	26	16	4		27.1	15.6	2.9	
Nutro Max Special Dog Food	16	8	4.5		16.8	13.4	3.5	
Nutro Max Special for Senior Less Active Dogs	16	8	4.5		19.7	13.1	3.0	
Nutro Natural Choice	21	12	5		22.1	11.5	4.1	
Nutro Natural Choice Lamb/Meal/Rice Puppies	26	12	5		27.1	6.9-	3.9	
OLD MOTHER HUBBARD								
Neura Dog Food Chicken & Rice	26	13	4		26.1	15.1	2.3	
Neura Dog Food w/Fresh Lamb	24	11	4		26.1	10.2	2.8	
Neura Dog Food with Fresh Lamb	24	11	4		26.2	11.2	2.9	
Neura Lite Senior Diet Dog Food Dinner/Fresh Lamb	20	7	4.5		20.1	10.0	3.0	
Neura Lite Senior Dog Food	18	7	4.5		20.8	7.2	3.1	
Neura Lite Senior Dog Food Made w/Chicken & Rice	18	7	4.5		20.6	9.8	4.1	
Neura Lite Senior Dog Food w/Chicken & Rice	18	7	4.5		18.7	8.8	3.2	
Neura Natural Pure Lamb & Rice	10	8	1		10.1	8.1	0.4	
Neura Puppy Food With Chicken & Rice	27	13	4		27.5	12.6	2.7	
Neura Puppy Lactating/Stress/Fresh Lamb	26	13	4		26.6	13.8	3.6	
Neura Thermated Natural Dog Food - Chicken & Rice	26	13	4		29.6	13.9	3.8	
Neura Thermated Natural Senior Dog Food	18	7	4.5		21.1	7.4	3.5	
Old Mother Hubbard Nat Liver/Beef By-Prod Dog	11	5	1		11.7	7.4	1.1	
Old Mother Hubbard Wheat Kibbled Biscuits Dog	34	7	3		24.2	6.5	1.8	

Table 1. Analysis of individual samples (continued).

	Guarantee %				Nutrients found %			
	Prot.	Fat	Fiber	Ash	Prot.	Fat	Fiber	Ash
OPUS								
Opus Hummingbird Food	0.01	0.01	0.01	0	0.0	6.5	2.0+	1.5+
PET NUTRITIONAL SYSTEMS								
Nutrix Adult Dog Food	26	16	4		27.6	18.0	2.1	
Nutrix Cat	30	15	4	7	32.9	11.4	3.4	7.2
Nutrix Kitten	30	14	4	7	31.7	16.4	2.6	7.6
Nutrix Lite Cat	30	6	4	7	34.9	7.4	3.8	6.7
Nutrix Lite Dog Food	22	8	5		23.2	10.3	2.3	
Nutrix Performance Dog Food	30	20	4		31.6	22.0	1.9	
Nutrix Puppy Blend	27	13	4		32.0	13.1	2.3	
Pro-Formula Dog Food	25	12	4.5		38.1	12.7	3.1	
Pro-Formula Dog Food	25	12	4.5		33.5	11.6	3.4	
PIASA PET PRODUCTS, INC.								
Kasco Mini Chunks Dog Food	26	15	3.5		26.5	16.0	2.6	
PRO PET								
Big Red Nuggets Dog Food	21	8	5.5		22.0	10.6	4.0	
Big Red Nuggets Dog Food	21	8	5.5		21.2	9.3	4.2	
Big Red Pardner Dog Food	21	6	5.5		21.4	8.8	6.4	
Big Red Rabbits Choice	15	2	18		15.5	3.6	18.1	
Rise Floating Fish Diet	24	4	6		33.0	8.6	4.3	
PURITY SUPREME SUPERMARKETS								
Purity Supreme Beef & Liver Dinner for Cats	11	6	1	3	11.1	10.6	0.4	2.3
Purity Supreme Chicken & Liver Dinner for Cats	10	8	1	3	11.3	10.0	0.5	3.1
Purity Supreme Deluxe Dinner for Cats	12	6	1	3	12.8	7.0	0.4	3.1
Purity Supreme Seafood Dinner for Cats	12	5.5	1	3	12.9	6.1	0.4	2.8
Purity Supreme Tuna & Egg Dinner for Cats	14	2	1	3	15.3	6.2	0.3	1.4
Purity Supreme Tuna & Liver Dinner for Cats	10	6	1	3	11.9	9.5	0.4	2.1
RALSTON PURINA CO.								
Hi-Tor Kidney Diet For Dogs	3.5	6	1	1.5	4.4	7.5	0.6	0.9
Pro-Plan Adult Formula Dog Food	25	15	3		25.5	17.1	2.2	
Pro-Plan Growth Formula Dog Food	33	20	3		35.2	21.9	2.1	
Purina Guinea Pig Chow 5025	18	4	16	9	18.5	4.7	14.3	7.8
Purina Hearty Chews - Bacon Flavor	24	7	5		27.8	10.8	2.0	
Purina Mills Mini Friends Parakeet	14	7	3.5	6	17.3	10.6	3.4	4.1
Purina Monkey Chow 5038	15	5	6	5	16.4	4.9	4.9	5.5
Purina One Cat Formula	33	11	3	6.5	35.6	14.0	1.7	6.7
Purina One Dog Formula	26	16	3		27.6	21.9	1.6	
Purina Premium Pacific Salmon Entree for Cats	11.5	5	1	4	15.1	10.3	0.3	3.7
Purina Premium Rainbow Trout Entree for Cats	11.5	4.5	1	4	14.5	9.7	0.9	2.7
Purina Premium Salmon & Egg Entree for Cats	12.5	5	1	4	13.8	8.4	0.9	2.7
Purina Premium Ship & Shore for Cats	13	2	1	3	15.9	4.4	0.7	3.2
Purina Pro Plan Cat Food	32	6.5	5	6	34.1	6.5	2.5	5.7
Purina Pro Plan Cat Food	32	6.5	5	6	33.2	7.6	2.5	5.8
Purina Pro Plan Dog Food	30	20	3		30.6	18.2	2.8	
Purina Pro Plan Dog Food Growth Formula	28	18	3		29.6	16.7	1.6	
Purina Pro Plan Dog Food Lite Formula	7	4	2	2.5	10.6	8.4	1.7	1.0
Purina Pro Plan Lite Formula Dog Food	14	8	5.5		14.5	7.6	3.7	
Purina Pro-Plan Adult Formula	25	15	3		25.5	14.5	2.4	

Table 1. Analysis of individual samples (continued).

	Guarantee %				Nutrients found %			
	Prot.	Fat	Fiber	Ash	Prot.	Fat	Fiber	Ash
Purina Pro-Plan Dog Food Lite Formula	14	8	5.5		14.3	9.2	5.0	
Purina Pro-Plan Dog Food Performance Formula	30	20	3		32.2	18.3	2.6	
Purina Pro-Plan Lite Formula Dog Food	14	8	5.5		15.4	10.6	3.2	
Purina Rabbit Chow Complete Blend	14	2	20	11	15.7	3.5	16.6	10.8
Purina Tender Vittles Country Dinner	24	8.5	3.5		25.6	9.3	1.0	
ROBERT ABADY								
Abady Dog Food Low Protein/High Nutr Maint	24.9	15	2		27.9	17.6	2.0	
Abady Large Breed Puppy Growth Formula	26	19	1	11	23.8-	21.1	0.7	9.3
Abady State of the Art Maintenance & Stress	27.5	16	1.3		27.8	15.7	1.7	
ROYAL CANIN U.S.A.								
Wayne	25	12	3		25.7	15.6	1.9	
Wayne Dinners at 6	25	12	3		26.9	11.6	2.4	
SEABOARD SEED CO.								
Song 'N Beauty Wild Bird Food	7	3	20		11.3	7.7	9.6	
STOP & SHOP								
Stop & Shop Beef & Cheese for Dogs	10	6	1.5		11.6	10.0	1.2	
Stop & Shop Beef & Chicken Dinner Cat Food	13	6.5	1	2.9	14.8	9.7	1.1	1.8
Stop & Shop Beef & Liver Dinner Cat Food	14	4.5	1	2.3	14.4	9.3	0.3	1.9
Stop & Shop Beef & Liver for Dogs	10	5.5	1.5		13.0	5.8	0.7	
Stop & Shop Beef Dinner Cat Food	12	5	1	3.2	14.8	8.0	0.3	2.4
Stop & Shop Beef for Dogs	11	6	1.5		12.3	9.3	0.3	
Stop & Shop Chicken & Liver for Dogs	10	8	1.5		11.1	9.2	1.4	
Stop & Shop Chicken, Egg & Bacon for Dogs	10	8	1.5		10.0	18.7	1.3	
Stop & Shop Chopped Grill Dinner Cat Food	11.5	6	1	2.7	11.5	9.8	0.3	1.5
Stop & Shop Country Chicken Dinner	12	5	1	3.2	12.5	8.7	0.4	2.4
Stop & Shop Gourmet Chicken Kidney & Bacon	10	8	1.5		11.1	12.4	0.3	
Stop & Shop Liver & Chicken Dinner Cat Food	15	5	1	2.5	15.8	9.0	0.2	1.8
Stop & Shop Meat Flavor Cat Food	10	2	1.5	4	10.7	6.0	1.2	1.9
Stop & Shop Ocean Whitefish & Tuna Dinner Cat	14	4	1	3	12.8-	7.8	0.9	2.8
Stop & Shop Salmon Dinner Gourmet Cat Food	13	5	1	2	13.0	7.7	1.0	2.1
Stop & Shop Tuna Cat Food	19	2	1	2	21.4	4.3	0.6	2.0
Stop & Shop Turkey & Giblets Dinner Cat Food	13	6.5	1	2.9	13.2	9.2	0.9	1.9
Sun Glory Chicken Flavor Dog Food	8	2	1.5		8.3	5.2	1.1	
Sun Glory Liver Flavor Dog Food	8	2	1.5		8.0	3.8	1.5	
STRONGHEART PRODUCTS								
Strongheart Dog Food Beef Flavor	8	1.5	2		8.1	2.2	2.0	
Strongheart Dog Food Chicken Flavor	8	1.5	2		8.2	3.4	1.8	
Strongheart Dog Food Liver Flavor	8	1.5	2		8.0	3.8	1.5	
SUN SEED CO.								
Sun Seed Cockatiel (Vita)	13	12	20		11.8-	11.1	10.2	
Sun Seed Guinea Pig Mix	22	3	20		20.2-	3.7	9.6	
Sun Seed Hamster Mix	12	5	12		12.6	6.7	5.7	
Sun Seed Large Hookbill Mix	14	15	15		14.8	17.6	8.3	
Sun Seed Large Hookbill Mix	14	15	15		16.1	24.1	11.3	
Sun Seed Rabbit Pellets	18	2	20		23.6	4.5	13.7	
Sun Seed Vita Cockatiel	14	12	20		12.8-	13.7	11.0	

Table 1. Analysis of individual samples (continued).

	Guarantee %				Nutrients found %			
	Prot.	Fat	Fiber	Ash	Prot.	Fat	Fiber	Ash
SUNFLOWER								
Feathered Friend Birdsnak Wild Bird Food Mixture	11	6	10.5		12.9	9.5	6.3	
Feathered Friends Cockatiel Food	14	12	16		15.1	14.7	12.5	
Feathered Friends Favorite	10.5	4	8		11.8	9.6	4.1	
Feathered Friends Flyers Choice	14	20	12		16.5	30.5	9.2	
Wild Bird Food Mix	9.5	3.7	8.5		11.9	11.3	6.1	
SUNSHINE MILLS								
New Sunshine Ocean Whitefish/Tuna Cat Food	12	4	1	3.5	12.8	8.0	0.3	2.9
Sunshine Seafood Feast Cat Food	30	8	4.5		34.1	7.2	2.6	
SUPERMARKETS GENERAL								
Pathmark Beef Chunks Dinner for Dogs	10	6	1.5		10.9	6.5	0.9	
Pathmark Chopped Horsemeat Dinner for Dogs	11	5	1.5		12.3	6.1	1.0	
Pathmark Fish & Liver for Cats	12	2	1.5	4.5	12.4	12.3	0.6	3.2
Pathmark Gourmet Cuts Dog Food	10	2	1		13.9	4.4	0.9	
Pathmark Gourmet Cuts Dog Food	10	2	1		14.7	2.0	0.8	
Pathmark Prime Blend Dog Food	10	6	1		8.1-	6.5	0.9	
Pathmark Ration Dog Food	10	2.5	1		8.0-	3.2	1.0	
TETRA SALES, U.S.A.								
Tetra Min Flake Food	45	5	5		50.4	7.0	2.0	
THE GREAT ATLANTIC & PACIFIC TEA CO.								
A & P Beef Chunks Dinner for Dogs	10	4	1.5		11.9	4.8	0.6	
A & P Beef for Dogs	10	8	1		11.6	13.0	0.5	
A & P Beef, Liver & Bacon for Dogs	11	6	1		11.7	10.9	0.3	
A & P Chicken Dinner for Dogs	10	5	1.5		11.4	8.6	0.5	
A & P Chopped Grill Dinner for Cats	11.5	6	1		15.4	8.7	0.9	
A & P Fisherman's Catch Dinner for Cats	12	5.5	1	3	13.0	5.4	0.3	2.6
A & P Liver Chunks Dinner for Dogs	10	4	1.5		12.0	5.8	0.4	
A & P Mackerel Dinner for Cats	12	5.5	1	3	13.7	6.5	0.4	2.2
A & P Ocean Whitefish & Tuna Dinner for Cats	14	4	1		14.4	5.6	1.2	
A & P Tuna Dinner for Cats	10	6	1	4	12.1	10.3	0.4	1.9
A & P Turkey & Bacon for Dogs	10	6	1		12.4	13.3	0.7	
A & P Turkey & Giblets Dinner for Cats	13	4	1	4	14.5	5.6	0.6	4.2
THE IAMS CO.								
Eukanuba Dog Food	30	20	4		31.4	18.5	2.2	
Eukanuba for Puppies	32	21	4		33.1	10	20.5	2.3
Eukanuba Puppy Food	32	21	4		33.2	27.9	2.5	
Iams Cat Food	32	21	3	6.5	33.2	24.9	1.6	6.0
Iams Cat Food	32	21	3	6.5	33.1	22.0	1.7	6.5
Iams Cat Food	32	21	3	6.5	32.5	21.5	2.2	6.2
Iams Chunks Dog Food	26	15	5		26.8	16.6	2.6	
Iams Dog Biscuits	25	6	3		29.9	6.0	1.7	
Iams Kitten Food	34	22	3	7	35.5	21.5	2.0	6.0
Iams Lamb & Rice Formula	23	14	4		23.6	15.4	2.5	
Iams Lamb & Rice Formula for Dogs	23	14	4		24.4	16.4	1.9	
Iams Lamb & Rice Formula for Dogs	23	14	4		23.6	14.5	2.2	
Iams Less Active For Cats	28	14	3	6.5	29.6	13.8	3.0	4.5
Iams Less Active for Dogs	22	12	5		22.9	15.5	2.5	
Iams Ocean Fish Formula Cat Food (canned)	10	6.5	1	1.9	11.9	7.2	1.0	1.9

Table 1. Analysis of individual samples (continued).

	Guarantee %				Nutrients found %			
	Prot.	Fat	Fiber	Ash	Prot.	Fat	Fiber	Ash
Iams Puppy Food	28	17	4		28.5	15.5	1.9	
Iams Puppy Food	28	17	4		28.2	18.6	2.1	
THE QUAKER OATS CO.								
Gaines Cycle Adult Dog Food	8	4	2		9.2	9.5	0.5	
Gaines Cycle Lite Dog Food	7	2	5		7.8	5.2	3.2	
Gaines Cycle Senior Dog Food	5	3	5		5.8	6.6	1.8	
King Kuts Dog Food with Real Chicken	10	3	1		10.7	6.3	0.3	
Puss 'N Boots Supreme Liver Flavor Kittens & Cats	9	3	1.5	3	10.4	6.7	0.5	3.1
Puss 'N Boots Supreme Salmon Flavor Kittens & Cats	9	3	1.5	3	10.7	8.7	0.4	2.2
TIZWHIZ DISTRIB.								
TizWhiz Broodmare Ration	9	3	5		12.1	6.9	5.1	
TOPCO ASSOC.								
Pet Club Beef Chunks Dinner for Dogs	11	6	1.5		11.4	6.2	0.9	
Pet Club Chicken & Kidney Dinner Cat Food	10	8	1	3	14.1	12.7	0.6	2.9
Pet Club Chicken & Liver Dinner Cat Food	10	8	1	3	11.1	13.0	0.3	3.1
Pet Club Chicken Dinner for Dogs	10	8	1.5		10.6	9.5	0.5	
Pet Club Chopped Beef Dinner for Dogs	10	6	1.5		11.8	5.7	0.8	
Pet Club Horsemeat Chunks Dinner for Dogs	11	5	1.5		12.3	9.3	0.9	
Pet Club Liver Chunks Dinner for Dogs	11	5	1.5		11.5	5.7	0.9	
Pet Club Tuna & Liver Dinner Cat Food	10	6	1	3	11.5	12.2	0.6	2.6
Pet Club Tuna & Meat Dinner Cat Food	10	6	1	4	11.6	11.2	0.3	3.5
TOPPER BIRD RANCH								
Sqoz - Avian Treat Biscuit	22	5.5	3.5		25.9	6.4	3.3	
Sqoz - Small Hookbill Diet	16.5	8.75	4		19.8	8.7	6.0	
TRIUMPH PET INDUSTRIES								
Hi-Tor Dog Food	25	12	4		25.5	12.5	2.8	
Pathmark Gourmet Cat Food Beef & Liver Dinner	12.5	4.5	1	3	13.8	7.8	1.1	3.0
Pathmark Gourmet Cat Food Chopped Grill Dinner	11.5	6	1	3	12.3	8.3	0.5	2.7
Pathmark Gourmet Cat Food Fancy Salmon Dinner	13	3	1	3	11.9-	4.2	1.2	2.9
Pathmark Gourmet Cat Food Fancy Seafood Dinner	14	3	1	3.5	16.0	6.0	1.1	3.0
Pathmark Gourmet Cat Food Ocean Whitefish/Tuna	14	3	1	3.7	15.6	3.4	1.1	3.1
Pathmark Gourmet Cat Food Turkey & Giblets Dinner	13	6.5	1	2.9	13.8	8.4	1.1	2.4
Pathmark Gourmet Pet Food Liver & Chicken Dinner	12	5	1	3	16.0	10.4	1.1	2.0
Pathmark Sardines for Cats	10	1	1	5	11.3	1.4	1.0	3.3
Pathmark Tuna for Cats	18	2	1	3	24.5	6.0	1.2	2.2
Shop Rite Horsemeat and Meat By-products Dinner	12	5	1.5	3	11.9	5.3	1.1	2.6
Triumph Hi-Tor Adult Dog Food	26	15	5		21.7-	21.5	3.2	
Triumph Hi-Tor Adult Dog Food	26	15	5		26.3	14.4	2.7	
Triumph Hi-Tor Puppy Food	28	17	4		24.5-	15.3	4.4	
Triumph Hi-Tor Puppy Food	28	17	4		28.9	15.9	3.1	
Triumph Supreme Feline Diet	32	20	3	5.25	29.1-	20.3	2.0	4.3
Triumph Supreme Feline Diet	32	20	3	5.25	33.4	18.1	2.7	5.0
Triumph Supreme Feline Diet Chicken Flavor	32	20	3	5.25	32.6	18.1	2.7	5.0
Triumph Supreme Feline Diet Chicken Flavor	32	20	3	5.25	29.3-	25.7	2.2	4.6
Triumph Supreme Feline Diet Seafood Flavor	32	20	3	5.25	32.3	18.3	3.0	4.6
Triumph Supreme Feline Diet-Seafood Flavor	32	20	3	5.25	28.9-	22.1	2.2	4.3

Table 1. Analysis of individual samples (continued).

	Guarantee %			Nutrients found %				
	Prot.	Fat	Fiber	Ash	Prot.	Fat	Fiber	Ash
UNITED CO-OPERATIVE FARMERS								
Tizwhiz Horse Feed	16	2.5	6		17.8	3.2	4.2	
UCF Feeds A.M. Grower	15	3.5	5.5		15.0	3.7	5.1	
UCF Rabbit Pellets	17	3	17		17.3	4.5	16.3	
VITAKRAFT PET PRODUCTS CO.								
Vitakraft Egg Sticks for Parakeets	8.5	2.5	6		11.0	2.8	6.6	
Vitakraft Fresh Fruit Mix for Parakeets	11.5	3.9	8.7	4.3	12.9	4.4	7.2	3.3
Vitakraft Fresh Fruit Mix for Parakeets	11.5	3.9	8.7	4.3	13.8	4.1	8.1	3.2
Vitakraft Fruit Cocktail for Parakeets & Exotic Finch	10.3	4	8.3	4.1	13.1	4.7	8.8	3.7
Vitakraft Honey Sticks for Parakeets	9.3	3	8.5		11.0	3.9	9.2	
Vitakraft Kiwi Fruit Sticks for Parakeets	9	3	8		10.8	3.3	8.6	
Vitakraft Small Animal Greens	14.4	2.2	16.5		16.6	3.4	17.3	
WAGGIN TAIL								
Jackies Dinner Style Cat Snacks-Chicken & Cheese	19	8	1.7	4	22.7	10.9	1.2	3.8
WAKEFERN FOOD CORP.								
My Favorite Cat Food	10	2	1.5	4	7.6-	3.6	0.9	3.2
My Favorite Cat Food All Tuna	19	2	1	2.5	21.7	2.8	1.0	1.5
My Favorite Chicken Flavor Dog Food	8	1.5	1.5		12.3	2.1	1.2	
My Favorite Liver Flavor Dog Food	8	1.5	1.5		9.8	8.4	0.2	
Shop Rite All in One for Dogs	10	6	1		10.4	6.0	0.7	
Shop Rite Balanced Diet Ration for Dogs	10	2.5	1	4	8.1-	2.3	1.0	1.2
Shop Rite Beef & Liver Dinner	11	6	1		12.9	9.9	0.4	
Shop Rite Beef & Liver Dinner Gourmet Cat Food	14	4.5	1		15.6	6.2	0.5	
Shop Rite Beef & Meat by Products Dinner for Dogs	12	6	1.5	3	14.0	5.6	1.1	1.6
Shop Rite Beef and Meat By-Products Dinner	12	6	1.5	3	16.4	6.1	0.6	2.7
Shop Rite Chicken & Fish for Cats	13	7	1.5	4.5	12.2	11.4	0.3	3.1
Shop Rite Chicken & Liver Dinner for Cats	10	8	1	3	11.4	13.4	0.3	1.9
Shop Rite Chicken and Egg for Cats	12	7	1.5	4	12.6	14.7	0.5	1.4
Shop Rite Chicken Dinner for Cats	10	8	1	4	10.6	15.0	0.3	1.9
Shop Rite Chicken Parts & Kidney for Cats	12	7	1.5	3.5	13.9	12.8	0.4	1.7
Shop Rite Chicken Parts Chopped for Dogs	11	6	1.5	4	11.9	5.6	0.7	1.3
Shop Rite Chopped Grill Dinner Gourmet Cat Food	12.5	6.5	1		13.6	5.9	1.3	
Shop Rite Dinner Delight for Cats	12	6	1	3	11.9	10.7	0.5	3.1
Shop Rite Fancy Seafood Dinner Gourmet Cat Food	14	7	1		14.3	8.3	0.2	
Shop Rite Fancy Seafood Dinner Gourmet Cat Food	14	7	1		12.9-	7.3	0.4	
Shop Rite Fish & Egg for Cats	13	2	1.5	4	13.0	1.9	0.3	2.9
Shop Rite Fish & Liver Dinner for Cats	12	5.5	1	3	12.3	7.5	0.7	2.1
Shop Rite Kitten Prime Fish/Chicken/Liver/Kidney	14	6	1	4	13.3-	14.3	0.5	2.0
Shop Rite Liver & Gravy for Cats	13	3	1	3	14.6	13.0	0.6	2.4
Shop Rite Liver & Meat By-products Dinner	12	6	1	3.5	13.6	5.6	0.9	1.3
Shop Rite Mackerel Dinner for Cats	12	5.5	1	3	15.4	12.2	0.2	2.0
Shop Rite Moist Cat Food Tuna Flavor	24	8.5	3.5		27.7	12.9	2.9	
Shop Rite Ocean Whitefish & Tuna Gourmet Cat Food	14	4	1	3	14.1	5.2	0.9	3.1
Shop Rite Savory Salmon Dinner Gourmet	14	5	1		14.4	6.2	0.6	
Shop Rite Seafood Combo for Cats	12	5.5	1	3	12.8	6.5	0.3	4.0
Shop Rite Stew with Gravy for Dogs	10	4	1.5	3.5	10.6	4.2	0.9	1.3
Shop Rite Tuna & Chicken Dinner for Cats	10	6	1	3	11.9	12.2	0.4	2.2
Shop Rite Tuna & Egg Dinner for Cats	14	2	1	3	16.3	3.7	1.0	1.5
Shop Rite Tuna & Liver in Sauce for Cats	10	6	1	3	12.0	9.4	0.4	2.6

Table 1. Analysis of individual samples (continued).

	Prot.	Guarantee %			Nutrients found %			
		Fat	Fiber	Ash	Prot.	Fat	Fiber	Ash
Shop Rite Tuna Dinner for Cats	18	2	1	4	20.2	3.6	0.2	2.5
Shop Rite Turkey & Giblets for Cats	11	7	1	3	12.4	8.8	0.4	2.8
Shop Rite Turkey & Giblets Gourmet Cat Food	13	4	1		13.0	6.6	0.5	
WARDLEY PRODUCTS CO.								
Wardley Goldfish Ten	35	4	3		38.4	4.7	3.1	
Wardley's Brine Shrimp Pellets	40	1.5	10		46.0	5.4	8.8	
WAUREGAN GRAIN								
Wauregan Cat & Kitten Food	30	8	4.5	5.5	31.1	8.7	2.6	6.0
Wauregan Dog Food 21	21	8	4		22.6	8.0	3.3	
Wauregan Dog Food 26	26	10	4		28.5	11.0	3.1	
Wauregan Grain Rabbit 16 Pellets	16	3	18		17.1	2.9	18.3	
Wauregan Guinea Pig Pellets	20	4	16		21.1	4.1	12.6	
ZEIGLER BROS.								
Zeigler CT High Performance	42	12	4	15	42.1	11.2	3.2	8.2

Table 2. Summary for each manufacturer of number of samples tested, number of guarantees for ash, and average percentage of guarantee for each nutrient.

Manufacturer	Samples (guarantees for ash)	Protein	Average percent of guarantee ^b		
			Fat	Fiber	Ash
8 In 1 Pet Prod.	3(0)	113	99	76	-
Agway	27(0)	109	139	74	-
AlfaPet	4(0)	125	206	75	-
Allied Foods	2(0)	107	135	60	-
Alpo Pet Foods	7(5)	117	143	67	100
Bay-Mor Pet Feeds	5(0)	98(-1)	149	82	-
Best Brand Prod.	1(0)	101	125	45	-
Best Feeds & Farm Suppl.	1(1)	108	128	65	91
Big Bet Pet Foods	1(0)	117	109	113	-
Bil-Jack Foods	4(1)	105	105	67	92
Blue Ribbon Pet Prod.	1(0)	104	153	39	-
Blue Seal Feeds	75(1)	107	160	77	110
Bumble Bee Seafoods	1(1)	114	160	110	57
Cadillac Pet Foods	4(3)	123	177	46	66
Calo Pet Foods	1(1)	106	120	67	34
Cargill	42(2)	107	166	80	87
Carnation	7(4)	109	139	44	87
Chef Andriv	1(1)	118	113	110	95
Chesapeake Dehydrators	1(0)	111	160	88	-
D D Pet Prod.	1(0)	127	113	122	-
Dietrich of Canada	2(2)	96(-1)	104	80	79
Eagle Prod.	1(0)	109	106	88	-
F.M. Browns	1(0)	133	124	57	-
Federal Foods	6(6)	104	129	71	97
First National	14(0)	103	122	45	-
Foodhold U.S.A.	1(0)	115	130	60	-
Friskies Pet Care Prod.	11(5)	119	168	62	91
Hartz Mountain	6(0)	107(-1)	122	58	-
Heath Mfg. Co.	2(0)	225	132	126(+1)	-
Heinhold Feeds	5(0)	105	187	99(+1)	-
Heinz Pet Prod.	21(7)	117	153	65	89
Hikari Sales U.S.A.	1(1)	126	93	113	96
Hill's Pet Prod.	9(9)	112	123	84	85
Kal Kan Foods	11(11)	123	169	53	92
Kelly Foods Corp.	2(0)	105	100	93	-
L/M Animal Farms	1(0)	158	312	107	-
Lafeber	1(0)	122	170	85	-
Lick Your Chops	3(3)	109	93(-1)	72	92
Manchester Co-op	8(0)	109	189	76	-
Manna Pro	2(2)	101	162	47	77
Martha White Foods	2(0)	107	129	70	-
Martin Feed Mills	1(0)	103	110	113	-

Table 2. Summary for each manufacturer of number of samples tested, number of guarantees for ash, and average percentage of guarantee for each nutrient (continued).

Manufacturer	Samples (guarantees for ash)	Protein	Average percent of guarantee ^b		
			Fat	Fiber	Ash
Midwestern Pet Foods	5(0)	112	80(-2)	62	-
Moyer & Son	4(0)	101(-1)	137	65	-
Nutro Prod.	10(3)	108	112(-1)	78	82
Old Mother Hubbard	14(0)	105	113	74	-
Opus	1(1) ^a			(+1)	(+1)
Pet Nutritional Systems	9(3)	117	108(-1)	66	102
Piasa Pet Prod.	1(0)	102	107	74	-
Pro Pet	5(0)	110	158	88	-
Purity Supreme	6(6)	109	166	40	82
Ralston Purina	25(13)	112	135	69	84
Robert Abady	3(1)	102(-1)	109	100	85
Royal Canin U.S.A.	2(0)	105	113	72	-
Seaboard Seed	1(0)	161	257	48	-
Stop & Shop	19(11)	108(-1)	180	63	76
Strongheart Prod.	3(0)	101	209	88	-
Sun Seed	7(0)	104(-3)	138	57	-
Sunflower	5(0)	116	196	68	-
Sunshine Mills	2(1)	110	145	44	83
Supermarkets General	7(1)	110(-2)	200	75	71
Tetra Sales U.S.A.	1(0)	112	140	40	-
The Great A & P	12(4)	116	151	53	78
The Iams Co.	17(6)	105	108	62	90
The Quaker Oats Co.	6(2)	114	240	36	88
Tiz Whiz	1(0)	134	230	102	-
Topco Assoc.	9(4)	114	148	50	94
Topper Bird Ranch	2(0)	119	108	122	-
Triumph Pet Indust.	21(16)	104(-6)	133	90	85
United Co-Op Farmers	3(0)	104	128	86	-
Vitakraft Pet Prod.	7(3)	120	120	102	80
Waggin Tail	1(0)	120	136	71	-
Wakefern Food Corp.	37(26)	109(-4)	164	53	70
Wadley Prod. Co.	2(0)	112	239	96	-
Wauregan Grain	5(1)	107	104	80	109
Zeigler Bros.	1(1)	100	93	80	55

^a Indicates that minimal guarantees made. Percentages are very high. See this company in Table 1.

^b Number in parenthesis under protein, fat, and fiber [e.g. (-1) or (+1)] indicates number of samples with a deficiency in protein or fat or an excess of fiber or ash.



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ISSN 0097-0905