

*The
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**Feed Products
and Pet Foods
Inspected 1989**

BY LESTER HANKIN

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Chemical analysis of 235 official samples of feed products and pet foods collected during 1989 by inspectors of the Connecticut Department of Agriculture are presented in this Bulletin. Feed for farm animals as well as for pets, including caged and wild birds, was tested.

Table 1 shows individual samples from 31 manufacturers. In the Table the brand name for individual products from each manufacturer are 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 deficiencies in protein followed by a dash (-).

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 five were found to be deficient in protein content. No samples were deficient in fat or excessive in fiber or ash. This is the lowest total number of deficiencies for feeds we have ever found.

Analyses were by Mamie Pyles, Craig Musante, and Mary Alice DeFrancesco. Samples were collected by John Chapman, Marilyn Abt, and Raymond Weller under the direction of Alton VanDyke, Feed Control Official, and Kenneth Veit, Chief of the Marketing Division, 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
AGWAY, INC.								
Agway 14% Hog Feed (T20) Medicated	14	3	5		15.3	4.4	3.0	
Agway 48% Solvent Extracted Soybean Meal	48	0.5	3.5		46.9	0.8	2.4	
Agway Choice Horse Feed	12	2	20		13.3	3.6	12.4	
Agway Country Chick Starter	18	3	4		18.2	3.0	2.8	
Agway Country Chicken Grower	14.5	3.5	4		14.5	3.5	2.7	
Agway Country Chicken Grower Repl	14.5	3.5	4		15.0	3.5	2.8	
Agway Country Chicken Grower Medicated	14.5	3.5	4		15.2	3.4	2.4	
Agway Country Egg Layer	16	3	4		16.3	4.0	3.0	
Agway Country Egg Layer (Laying Chick)	16	3	4		17.4	3.8	2.5	
Agway Country Egg Prod. (Scratch Grains)	21	3	4		21.1	3.7	3.8	
Agway Country Game & Turkey Grower	21	3	4.5		15.9--	3.5	2.8	
Agway Country Game & Turkey Starter Med	28	3	4		28.1	10.0	3.4	
Agway Early Market Lamb Pellets	14	2	18		15.4	2.3	15.8	
Agway Gro-Right Calf Crunch	18	2.5	7		18.1	2.9	4.6	
Agway Hi Energy Lamb Pellets	16	3.5	9		17.8	3.5	4.1	
Agway Milk Right 14 (NU)	16	2.5	12		19.4	4.0	3.9	
Agway Pro-Lean 14% Hog Feed (T20)	14	3	5		13.8	3.3	3.1	
Agway Pro-Lean 16% Sow & Pig (T40)	16	3	5		16.3	3.2	2.7	
Agway Pro-Lean 16% Sow & Pig (T40) Med	16	3	5		19.3	3.0	3.0	
Agway Pro-Lean Squealer Pell Med/Swine	18	4	3		18.7	5.7	2.0	
Agway Pro-Right 4500-20 (Ruminants)	20	3	6.5		19.9	4.5	5.1	
Agway Pro-Right 5500-16	16	3	7		16.1	4.9	4.8	
Agway Ratio Right 425-20 (Ruminants)	20	3	7		20.3	4.0	3.7	
Agway Ratio-Right 16 (NU) (Ruminants)	16	2.5	12		16.8	3.1	6.5	
Agway Ratio-Right 540-16 (Ruminants)	16	2	7		16.9	4.1	4.0	
Agway Ratio-Right 540-16 (Ruminants)	16	3	7		15.9	5.5	5.9	
Agway Trim for Horses	14	2	10		14.9	3.1	4.5	
ALPO PETFOODS, INC.								
Alpo Beef Chunks Dinner/Dogs	9	6	1.5		10.3	8.6	0.7	
Alpo Beef Stew for Dogs	9	4	1.5		11.3	6.7	0.9	
Alpo Lite Beef Dinner/Dogs	7	2.5	2.5		10.3	4.3	0.9	
Alpo Lite Classic Entree/Dogs	7	3	2.5		9.7	4.1	0.9	
Alpo Turkey Dinner/Dogs	9	7	1.5		12.3	9.1	0.6	
BEST FEEDS & FARM SUPPLIES								
Joy Dog Food Canned Beef/Beef By Prod	12	5	1.5		12.1	7.9	0.7	
Joy Dog Food Liver & Meat By Products	12	5	1.5		12.0	11.3	0.6	
Joy Dog Food/Beef & Bacon By Products	12	5	1.5		12.0	12.1	0.3	
Joy Dog Food/Cooked Chicken	12	5	1.5		12.5	11.0	0.7	
BIG BET PET FOODS								
Big Bet Beef Chunks Canned for Dogs	11	5	1.5		12.6	8.4	0.7	
Big Bet Beef Dinner/Dogs	11	5	1.5		11.4	7.9	0.7	
Big Bet Chicken Dinner/Dogs	10	8	1.5		10.9	8.7	0.8	
Big Bet Lamb Chunks Dinner/Dogs	11	5	1.5		11.3	4.9	0.9	
Big Bet Liver Chunks Dinner/Dogs	12	5	1.5		12.0	6.9	0.7	
Big Bet Meat/Poultry/Liver/Dogs	11	5	1.5		11.9	12.5	0.9	

Table 1. Analysis of individual samples (continued).

	Guarantee %				Nutrients found %			
	Prot.	Fat	Fiber	Ash	Prot.	Fat	Fiber	Ash
BUMBLE BEE SEAFOODS, INC.								
Figaro Cat Food/Tuna	18	2	1	3	18.9	2.0	0.3	2.0
CADILLAC PET FOODS, INC.								
Cadillac 5 in 1 for Dogs	9	6	1.5		9.4	7.0	1.0	
CALIFORNIA HOME BRANDS, INC.								
Skippy Prem 3 in 1 Dinner/Chicken/Liver/Beef	8	3	1.5		8.8	5.8	1.0	
Skippy Prem Chunky Beef & Liver/Dogs	8	3	1.5		10.3	4.6	1.0	
Skippy Premium Chunky Beef Dinner	8	3	1.5		8.8	3.7	0.8	
Skippy Premium Chunky Beef Dinner	8	3	1.5		9.6	4.4	1.1	
CARNATION CO.								
Bright Eyes Deluxe Entree/Cats	9	3	1		10.7	7.0	0.4	
Chef's Blend 4 Flavors Prem Cat Entree (Dry)	30	8	4.5		31.7	8.3	1.8	
Friskies Gourmet Flavor Cat Dinners Dry	30	8	4.5		30.8	10.6	2.8	
Might Dog Chicken & Liver	10	8	1		12.8	11.9	0.2	
Mighty Dog Beef/Bone Marrow	10	8	1		12.9	9.2	0.3	
Mighty Dog/Beef	10	8	1		10.6	12.9	0.2	
CHAMPION VALLEY FARMS								
Recipe Chicken & Cheese Dinner/Dogs	8	5	1.5		8.9	5.1	0.8	
Recipe Chunky Beef/Egg Flav Wedges/Dogs	9	5	1.5		9.8	6.1	1.1	
CONTINENTAL GRAIN CO.								
Crown Prince 21% Dog Food	21	8	6.5		21.6	13.9	5.6	
Gaines Cycle 1 for Puppies Dry	27	9	4		28.6	12.4	3.2	
Wayne Dog Food Dry	25	12	3		27.8	11.6	2.0	
Wayne Gold Label Dry Dog Food	30	20	3		32.0	21.4	2.1	
Wayne Kit Kat Glow Dry Cat Food	30	10	3		30.8	11.3	2.4	
Wayne Puppy O's Puppy Food/Dry	28	9	5		29.5	9.3	3.3	
DDI PHARMACEUTICALS, INC./FARNAM CO. DIV.								
Drive for Horses by Farnam	22	2.5	11	7.5	23.3	4.0	9.8	6.8
FIRST NATIONAL SUPERMARKETS								
Finast Beef & Liver Dinner/Cat	11	5	1		11.6	10.4	0.8	
Finast Beef Chunks/Dog	11	5	1.5		10.9	6.9	0.9	
Finast Chicken & Liver Dinner/Cat	10	8	1		11.9	9.6	0.9	
Finast Gourmet Grill Dinner/Cat	10	6	1		10.8	9.6	0.9	
Finast Liver Chunks Dinner/Dog	12	5	1.5		12.4	6.4	1.0	
Finast Meat/Poultry/Liver Dinner/Dog	11	5	1.5		11.5	6.9	0.9	
GAINES PET FOODS, INC.								
Gaines Cycle 2 Adult Dog Food	9	4	2		10.4	5.6	1.3	
Gaines Cycle 3 Fitness Food/Adult Dogs	7	2	5		8.2	4.8	2.6	
Gaines Cycle 3 Lite Chicken Flavor	7	2	5		8.3	3.1	3.3	
Gaines Cycle 3 Lite Dry Dog Food	18	5	8		19.4	8.2	3.3	
Gaines Cycle 4 Senior Dog Food/Beef Flavor	5	3	5		6.4	2.8	3.5	
Gaines Cycle 4 Senior Dry Dog Food	16	6	4		17.2	9.6	2.9	
Gaines Gravy Train Dry Dog Food	21	6	6		21.1	7.0	3.0	

Table 1. Analysis of individual samples (continued).

	Guarantee %				Nutrients found %			
	Prot.	Fat	Fiber	Ash	Prot.	Fat	Fiber	Ash
H. K. WEBSTER CO., INC.								
Blue Seal Bunny 16 Pellets	16	2.5	18		16.9	3.9	14.2	
Blue Seal Charger 3 in 1 Horse Feed	14	2.5	12		15.3	3.2	9.6	
Blue Seal Coarse 14 Test Cow & Livestock Ration	14	3.5	8		14.6	5.4	6.8	
Blue Seal Coarse 16 Test Cow & Livestock Ration	16	3.5	8		16.3	3.8	6.2	
Blue Seal Contender Horse Feed	16	3.5	7.5		17.2	4.6	6.5	
Blue Seal Contender Horse Feed	16	3.5	7.5		16.9	3.4	5.4	
Blue Seal Cracked Corn (Fine)	8.5	2.5	2.5		8.8	3.0	1.4	
Blue Seal Dairy Maid Milk Replacer	20	20	0.25	10	19.4	20.2	0.1	6.6
Blue Seal Energizer 20 Dairy Pellets	20	3.2	5.5		21.1	3.8	3.7	
Blue Seal Energizer 16 Dairy Pellets	16	3.2	5.5		17.8	3.5	3.8	
Blue Seal Fat Finish Pellets	18	4.5	3.5		18.1	4.5	3.4	
Blue Seal Game Bird Crumbles	20	4.5	4		21.4	6.0	3.1	
Blue Seal Grower Cal Mash	15	3	4		16.1	3.2	3.6	
Blue Seal Grower Cal Pellets	15	3	4		15.8	4.2	2.6	
Blue Seal Hi-Pro 20 Pells Rabbit	20	2.5	12		19.9	4.0	9.4	
Blue Seal Hutch 18 Pels Rabbit Pellets	18	2.5	15		17.9	4.1	13.6	
Blue Seal Kat Kare Low Ash Cat Food	30	9	3.5	5	30.1	11.6	3.6	5.4
Blue Seal Kat Krunchies Cat Food	30	9	4	7.5	30.2	10.9	4.2	7.2
Blue Seal Krunchies Dog Food	21	8	4		22.9	8.6	2.7	
Blue Seal Lamb BT Pellets	18	3.5	7		19.9	3.4	3.7	
Blue Seal Lamb Finisher Pellets	15	3.5	7		16.6	3.8	3.0	
Blue Seal Lamb Finisher Pellets	15	3.5	7		15.5	3.8	6.4	
Blue Seal Lamb Starter Grower Pellets	18	3.5	7		19.0	4.9	3.5	
Blue Seal Lamb Starter Grower Pellets	18	3.5	7		19.1	6.0	6.6	
Blue Seal Layer Mash	15	3	4		15.2	3.0	2.7	
Blue Seal Layer Mash	15	3	4		15.0	3.0	3.5	
Blue Seal Layer Pellets	15	3	4		14.8	2.9	2.8	
Blue Seal Layer Pellets	15	3	4		16.5	3.4	6.5	
Blue Seal Milk Maker 16	16	3	8.5		18.0	4.2	7.4	
Blue Seal Milk Maker 16	16	3	8.5		16.3	3.7	7.3	
Blue Seal Milk Maker 20	20	3	8.5		20.2	4.3	8.2	
Blue Seal Natural 26 Dog Food	26	10	4		27.0	10.1	4.2	
Blue Seal Nip N Tuck	18	6	7		18.8	7.9	6.2	
Blue Seal Olympian Horse Pellet High Fat	14	6	6.5		14.4	9.7	5.1	
Blue Seal Pacer Horse Feed	12	3	9		13.2	3.7	5.3	
Blue Seal Pig & Sow Pellets	15	3.5	7		15.4	3.6	5.8	
Blue Seal Pig & Sow Pellets	15	3.5	7		15.1	4.6	4.9	
Blue Seal Piglets Crumbles	18	3.5	7		18.8	3.6	4.7	
Blue Seal Pork Maker Mash	13	3.5	7		13.4	4.2	4.7	
Blue Seal Pork Maker Mash	13	3.5	7		13.8	4.6	6.3	
Blue Seal Race Horse Oats	10	3.5	12		11.8	5.0	3.4	
Blue Seal Scratch Feed	9	2.5	5		9.9	5.0	2.8	
Blue Seal Scratch Feed	9	2.5	5		9.3	5.4	2.6	
Blue Seal Song Maker Wild Bird Feed	11	8	10		10.0--	7.5	4.3	
Blue Seal Soy Bean Meal	48	0.5	3.3		48.1	1.7	2.7	
Blue Seal Strider Horse Feed Pellets	11	3	7		11.3	3.4	4.9	
Blue Seal Strider Horse Feed Pellets	11	3	7		11.1	4.5	5.9	
Blue Seal Sunshine Plus w/Yeast Culture	25	2	4		26.4	3.2	2.9	
Blue Seal Trotter Horse Pellets	14	2.5	20		15.1	3.3	21.3	

Table 1. Analysis of individual samples (continued).

	Guarantee %				Nutrients found %			
	Prot.	Fat	Fiber	Ash	Prot.	Fat	Fiber	Ash
Blue Seal Ultra "27" Dog Food	27	15	4		28.4	16.0	4.0	
Blue Seal Veal Formula	20	20	0.2		20.4	20.1	0.1	
Blue Seal Wheat Bran	14	3.5	12		17.1	6.6	9.3	
Dehydrated Alfalfa Pellets	20	2.5	12		20.8	3.2	8.9	
HILLS PET PRODUCTS								
Science Diet Feline Maint Lt Form/Cat Dry	31	6	10	5	35.0	15.1	2.6	3.9
K & L FEED MILL CO.								
14% Sprinter Horse Feed Pellets	14	3	8		15.6	3.5	3.7	
16% Dairy Ration Pelleted High Energy	16	3	8		18.0	4.2	5.4	
Chick Grower Pellets	13.5	3	4.5		12.4--	3.2	4.0	
Chick Starter Crumbles	19.5	3	4		19.4	3.1	3.5	
Corn	8.6	3.7	2.9		8.6	3.8	1.8	
Cracked corn	8.8	3.5	2.7		9.1	4.4	1.6	
K & L 16% Layer Pellets	16	3	4		16.3	5.0	3.8	
K & L Mare & Foal Hi Energy	16	6	8		18.8	6.1	3.7	
K & L Pig Starter	20	3	4		19.4	3.0	4.2	
K & L Rabbit Pellets	17	3	17		16.6	3.8	15.0	
K & L Scratch Feed	9	2.5	7		8.8	4.8	3.9	
Pig Grower Pellets	15	3	4		15.4	2.9	4.0	
KAL KAN FOODS, INC.								
Crave Whiskas Original Recipe/Dry	30	8	4.5		30.3	8.3	2.0	
Kal Kan Chunky Lamb/Cats	8	5	1.5	3	9.1	10.6	0.5	2.9
Kal Kan Chunky Turkey Dinner	8	5	1.5	3	11.3	8.5	1.8	1.8
Kal Kan Pedigree Combo/Chunky Beef/Liver	8	6	1.5		9.0	13.3	1.0	
Kal Kan Pedigree Combo/Chicken/Beef/Liver	8	6	1.5		9.1	14.9	0.5	
Kal Kan Pedigree Stew/Chunky Beef	8	6	1.5		8.1	7.7	0.6	
Kal Kan Pedigree/Chopped Beef	8	6	1.5		9.2	9.6	0.7	
Kal Kan Pedigree/Chopped Chicken	8	6	1.5		8.8	11.8	0.3	
Kal Kan Pedigree/Chunky Beef & Heart	8	6	1.5		8.9	9.3	0.4	
Kal Kan Whiskas Catfish Dinner	8	5	1.5	3	11.1	7.6	0.6	1.4
Kal Kan Whiskas Country Chicken Dinner	8	5	1.5	3	8.1	9.3	0.6	2.3
Kal Kan Whiskas Trout Dinner	8	5	1.5	3	10.1	8.4	0.2	1.7
Kal Kan Whiskas Tuna	18	4	1	3	22.2	3.8	0.8	2.0
Pedigree Select Dinner/Beef/Liver	11	5	1		11.0	7.5	0.5	
Pedigree Select Dinner/Chicken/Liver	11	5	1		12.4	7.4	0.2	
Pedigree Select Dinner/Turkey Banquet	11	5	1		11.0	7.5	0.4	
Pedigree Select Dinners/Beef Banquet	11	5	1		12.8	5.2	0.6	
Sheba Tender Meaty Chunks/Cats	11	5	1	3	12.4	8.9	0.6	2.2
KELLY FOODS CORP.								
Bil Jac Cat Food/Dry	31	18	3.5	6.5	31.0	18.9	2.9	5.8
Bil Jac Dog Food/Dry	27	17	4		29.1	18.0	2.2	
Bil Jac Lite Dog Food	17	10	5		16.8	12.5	3.2	
Bil Jac Liver Treats for Dogs	25	11	2		27.8	13.2	2.1	
Bil Jac Puppy Food/Dry	28	18	4		28.4	20.1	3.1	
LADDIE BOY PET FOOD/GOFF CAT FOOD CO. DIV.								
Goff Beef & Liver Low Ash Cat Food	10	5	1	1.5	8.8--	6.1	1.2	1.2
Goff Beef Low Ash Cat Food	10	5	1	1.5	10.8	7.0	0.8	0.9
Goff Chicken & Liver Low Ash Cat Food	10	5	1	1.2	9.1--	6.5	0.7	1.1

Table 1. Analysis of individual samples (continued).

	Guarantee %				Nutrients found %			
	Prot.	Fat	Fiber	Ash	Prot.	Fat	Fiber	Ash
LANG GS DEHY, INC.								
DeHydrated Alfalfa Pellets	17		27	16.7	5.7	22.9		
MANNA PRO CORP.								
Manna Pro Classic 21% Dog Food	21	8	4.5		26.4	12.2	2.8	
Manna Pro Classic Hi-Pro 27 Dog Food	27	10	4.5		27.9	9.1	2.0	
Manna Pro Country Cousin w/Gravy/Dogs	21	7	5.5		21.5	8.7	2.7	
Manna Pro Round-Up Compl Horse Feed	12	2	25		13.8	2.3	22.9	
Manna Pro Small World Smorgasbird	10	3.5	7.5		11.8	5.6	5.9	
New Manna Pro Hearty Hi-Pro 26 Dog Food	26	8	5		27.8	11.1	2.3	
MAPLE LEAF-MONARCH								
Double Diamond Hi-Fat Linseed Oilcake Meal	33	4	9		33.7	5.9	8.3	
PERK FOODS/DIV. OF CALIFORNIA HOME BRANDS								
Vets Beef & Cheese Flavored Dog Food	8	2	1.5		8.7	3.1	1.5	
Vets Beef Flavored Dog Food	8	2	1.5		8.3	2.5	1.7	
Vets Chicken Flavored Dog Food	8	2	1.5		9.1	2.7	1.6	
Vets Dog Food	8	2	1.5		9.1	2.0	1.5	
QUAKER OATS CO.								
Ken L Ration Original Flavor Beef/Chicken	10	2	1.5	4	11.6	2.0	0.4	2.0
Ken L Ration Pup-Peroni	26	5	2		28.9	19.6	1.0	
Ken L Ration Pup-Peroni Beef Flavor	27	5	2		29.8	13.6	1.2	
Ken-L Ration Beef Flavor Sausages	20	7	1.5		24.7	9.3	2.0	
King Kuts Premium Dog Food Sl Beef Dinner	10	3	1		11.1	6.3	0.5	
Pounce Beef Treats for Cats	20	8	1.5		22.6	8.6	1.4	
Pounce Treats for Cat/Chicken Flavor	20	8	1.5		21.5	9.3	1.3	
Puss 'N Boots Pounce Treats/Cats/Shrimp	20	8	1.5		23.7	9.5	1.3	
RALSTON PURINA CO.								
Purina Beef & Liver Dinner 100	11.5	4	1	3.5	14.0	8.5	0.8	2.6
Purina Beef & Liver Dinner 100	11.5	4	1	3.5	14.0	7.4	0.5	2.1
Purina Beef & Liver Dinner Cat Food	12	3	1	3	12.6	6.3	1.2	2.6
Purina Bird Mix	8	1.5	4.5		9.1	3.7	1.5	
Purina Butcher's Blend Dog Food	21	8	4.5		21.9	10.2	3.4	
Purina Cheese Dawgs Beef Flavor	19	8	4		22.1	10.9	4.3	
Purina Cheese Dawgs Beef Flavor/Snacks	19	8	4		20.8	7.9	4.1	
Purina Chicken & Liver Dinner Cat Food	11.5	4	1	3.5	14.3	9.8	0.1	2.2
Purina Fit & Trim Adult Dog Food Fewer Calories	14	5	10		15.6	8.2	2.7	
Purina Grrravy Dog Food	21	8	4.5		21.3	8.5	4.7	
Purina Hearty Chews Beef Flavor	24	7	5		26.4	7.0	2.0	
Purina Hearty Chews Liver Fl Dog Snacks	24	7	5		28.9	8.1	1.5	
Purina Hearty Stew Cat Food	12	3	1	3	13.1	3.6	0.6	1.9
Purina Meow Mix Cat Food	30	8	4		30.3	9.6	3.4	
Purina New Kitten Chow	35	8	4		35.9	11.5	4.2	
Purina New Whiskers Lickin's Moist Cat Treats	24	8.5	3.5		27.6	10.3	0.8	
Purina Original Blend Cat Chow	30	8	4.5		30.1	8.7	3.1	
Purina Puppy Chow Puppy Food	27	9	5		28.0	9.4	2.9	
Purina Ship & Shore Dinner 100	13	2	1	3	15.1	4.3	0.2	3.0
Purina Short Ribs	18	8	8		19.8	10.1	2.7	
Purina Tender Vittles Ocean Whitefish Flav/Cat	24	4.5	6		25.9	5.7	2.4	

Table 1. Analysis of individual samples (continued).

	Guarantee %				Nutrients found %			
	Prot.	Fat	Fiber	Ash	Prot.	Fat	Fiber	Ash
Purina Turkey & Giblets Dinner 100	11.5	4	1	3.5	13.5	5.9	0.6	2.3
Purina Turkey Finisher W/O	16	3.5	4.5		16.0	5.6	3.2	
Purina Turkey Giblets Dinner Cat Food	11.5	4	1	3.5	13.2	8.6	0.7	2.4
Purina Whisker Lickin's Chicken Flavor	24	8.5	3.5		26.9	11.1	1.0	
Purina Whisker Lickin's Salmon Flavor	24	8.5	3.5		27.8	10.2	1.0	
Purina Wild Bird Chow	10	3	7	2.5	10.7	4.7	4.8	2.5
Recipe Dog Treats Beef/Liver/Cheese Fl	14	7	2.5		16.4	6.7	0.7	
STAR-KIST FOODS, INC.								
Jerky Treats Beef Flavor Strips	33	15	3		39.1	26.7	1.4	
Recipe Beef Chunks Dinner/Dogs	9	5	1.5		9.4	7.0	1.5	
SUPERIOR BRANDS, INC.								
Boneanza One Beefy Basted Chew/Dogs	70	5	1		76.2	7.0	0.6	
Wagtime Beef Basted Biscuits	18	5	3		24.6	9.6	2.1	
SWEETLIFE FOODS								
Sweet Life Beef Chunks Dinner/Dog	11	5	1.5		12.3	4.7	0.4	
Sweet Life Classic Grill Cat Food	10.5	5	1	2.5	12.5	9.4	0.4	2.0
Sweet Life Dog Biscuits Lg Bone Shaped	23	5	3		24.1	7.8	2.1	
Sweet Life Horsemeat Chunks Dinner/Dogs	11	5	1.5		11.6	8.6	0.8	
Sweet Life Lamb Chunks Dinner/Dogs	11	7	1.5		11.6	6.7	0.3	
Sweet Life Salmon Dinner Cat Food	10	5	1	3	12.7	8.1	0.2	2.9
THE IAMS COMPANY								
Iams Cat Food	32	21	3	6.5	32.4	20.7	1.5	6.0
WAUREGAN GRAIN CO., INC.								
High Performance Trout Grower	45	12	3		45.5	12.3	3.0	
Wauregan Grain 16% Pork Maker Plus	16	3	4.5		16.8	4.7	3.1	
Wauregan Grain Texturized 14%	14	3	8		14.9	4.7	6.2	
Wauregan Grain Texturized 16%	16	3	8		13.8--	3.7	6.0	
Wauregan Layer	15	3	4		15.2	3.8	5.7	
Wauregan Rabbit Pellets	20	2.5	18		21.0	2.6	16.3	
Wauregan Trail Ride Horse Fd Pell	12	3	9		12.8	3.2	9.6	
ZEIGLER BROS., INC.								
High Performance Trout Grower	45	12	3		45.5	12.3	3.0	

Table 2. Summary for each manufacturer of number of samples tested, number of guarantees for ash, and average percentage of guarantee for each nutrient. The number of guarantees for ash are listed in parenthesis.

Manufacturer	Samples ^a	Protein	Average percent of guarantee			Ash
			Fat	Fiber		
Agway	27(0)	104	140	65	--	
Alpo Petfoods	5(0)	133	150	44	--	
Best Feeds	4(0)	101	212	38	--	
Big Bet Pet Foods	6(0)	106	154	52	--	
Bumble Bee	1(1)	105	100	30	67	
Cadillac Pet Food	1(0)	104	117	67	--	
California Home Brands	4(0)	117	154	65	--	
Carnation	6(0)	115	149	35	--	
Champion Valley	2(0)	110	112	63	--	
Continental	6(0)	106	122	75	--	
DDI Pharmaceuticals	1(1)	106	160	89	91	
First National	6(0)	107	149	74	--	
Gaines Pet Foods	7(0)	114	153	60	--	
H. K. Webster	53(3)	105	132	77	90	
Hill Pet Products	1(1)	113	252	26	78	
K & L Feed Mill	12(0)	103	123	75	--	
Kal Kan Foods	18(7)	114	163	46	68	
Kelly Foods	5(1)	104	114	77	89	
Laddie Boy	3(3)	96	131	90	77	
Lang GS Dehyd	1(0)	98	--	85	--	
Manna Pro	6(0)	112	130	62	--	
Maple Leaf--Monarch	1(0)	102	148	92	--	
Perk Foods	4(0)	110	129	105	--	
Quaker Oats	8(1)	114	181	73	50	
Ralston Purina	28(9)	111	149	58	76	
Star Kist Foods	2(0)	112	159	73	--	
Superior Brands	2(0)	123	166	65	--	
Sweet Life Foods	6(2)	112	145	38	88	
The IAMS Co.	1(1)	101	99	50	92	
Wauregan Grain	7(0)	102	125	94	--	
Ziegler Bros.	1(0)	101	103	100	--	

^a Deficiencies for protein are: one sample each from Agway, H.K. Webster, K & L Feed Mill, and two from Laddie Boy.



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