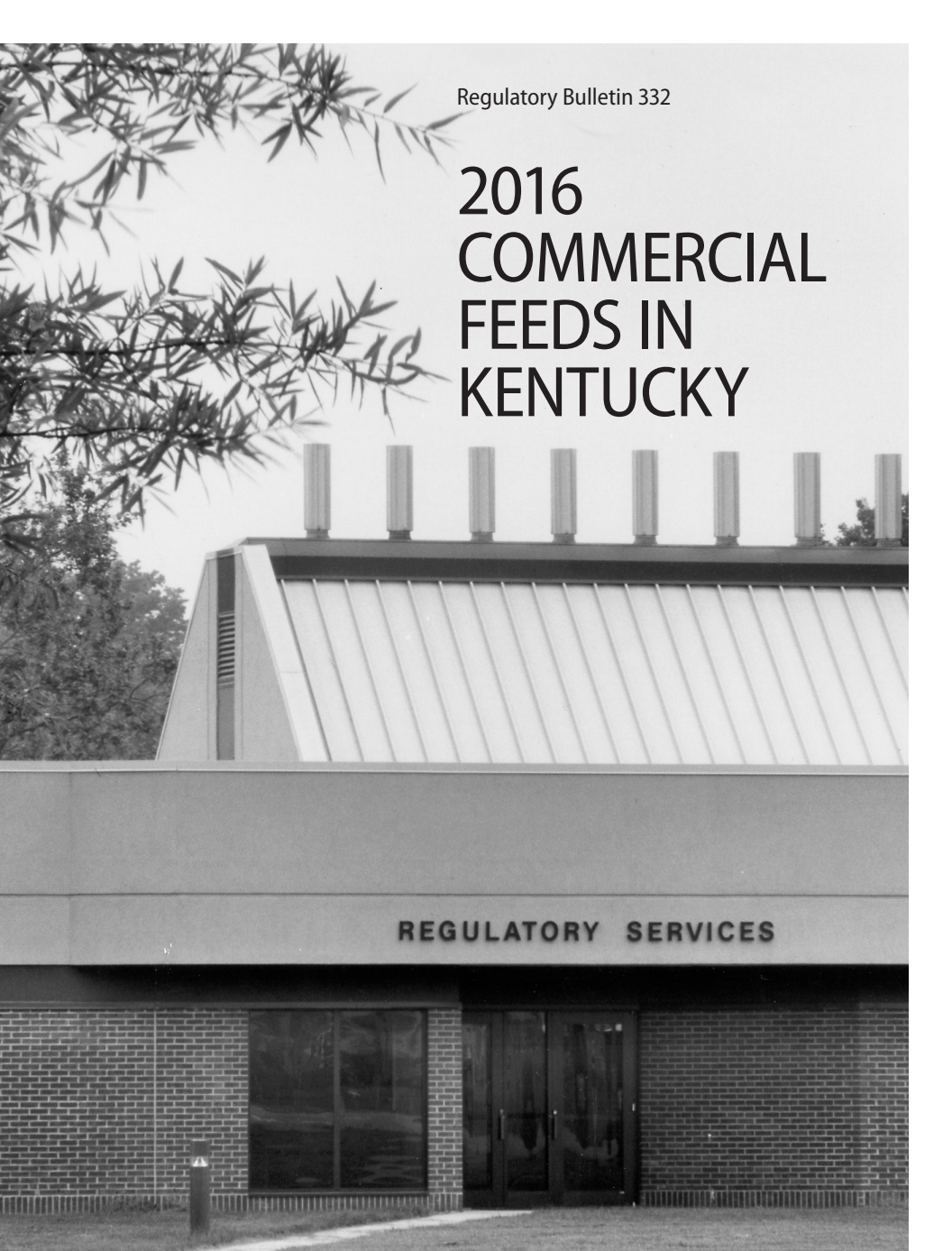


Regulatory Bulletin 332

2016 COMMERCIAL FEEDS IN KENTUCKY



REGULATORY SERVICES

 University of
Kentucky

*College of Agriculture,
Food and Environment*

Agricultural Experiment Station

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This report was compiled and prepared by G. Alan Harrison
with the assistance of the Inspection, Laboratory, and Administrative Staffs.

Introduction

Kentucky's commercial feed law (KRS 250.491-250.631) dates from 1906 and was revised in 1996. This feed law provides protection for the state's livestock, poultry, and pet owners by regulating all feed materials offered for sale or for mixing into a feed. Products falling under regulation include all types of pet foods, livestock minerals, complete animal and poultry feeds, protein or mineral blocks, supplements, feed ingredients, specialty materials such as drug premixes, vitamin and mineral supplements, liquid feeds, pet supplements, pet treats, and other specialized pet foods. The law does provide for exemptions for whole and unprocessed grain, raw meat, hay, straw, stover, silage, cobs, husks, and hulls when not processed.

Revisions in laws and regulations have added additional requirements over the years. These revisions are primarily in response to more varied livestock feeding practices, changes in feed manufacturing technology, and an increased number of feed ingredients. These revisions ensure safe and effective use of drugs, and authority to inspect mills for compliance with good manufacturing practices. Any drug and feed additive use must conform to Food and Drug Administration (FDA) regulations. A major aspect is to prevent unsafe residues in human food that may result from misused or contaminated feed. Several provisions are aimed at keeping poisonous and deleterious substances from being distributed in feeds.

Information in this report is intended to inform the feed purchaser, provide a basis for fair and equitable competition, and assist in assuring the safety of animal and human food.

Feed Mill Inspections

Maintaining high quality and safe feeds for animals requires a comprehensive inspection program. This is particularly important when mills manufacture medicated feed. Mills may be required to obtain a license from FDA to manufacture medicated feed depending on the type and concentration of drug. There are currently eight feed mills in Kentucky with a feed mill license (FML) from FDA. All feed mills must comply with good manufacturing practices which are assessed as part of a comprehensive inspection program. The purpose of these inspections is to ensure several safe feed practices are followed: (1) approved drug levels are used, (2) proper mixing procedures are followed, (3) feed ingredients are monitored, (4) good record keeping is followed, (5) good housekeeping protocols are followed, and (6) a recall plan is in place.

The Division participates in an inspection program in partnership with FDA that conducts 79 inspections of feed dealers and manufacturers each year. These inspections assure that mills are following FDA guidelines and are in compliance with rules prohibiting the use of ruminant proteins in feeds intended for other ruminant animals. These rules are in place to prevent the establishment and amplification of bovine spongiform encephalopathy (BSE). Feed mills receiving prohibited animal protein materials must follow adequate procedures to prevent any chance of those materials getting into feeds for ruminants. Included in the 79 inspections conducted by our inspectors in 2016 were more intensive inspections for good manufacturing practices at 28 Kentucky mills. At the beginning of 2017, there were 180 feed manufacturing facilities located in Kentucky that serve the animal feed and pet food industries. Additionally, 225 feed distributors located in the state handle livestock feed.

Food Safety

Food (feed) safety has moved to the forefront of public concern. Animal food that is free of contaminants is an all important concern of feed manufacturers and regulatory officials due to potential impacts any type of contamination would have on the Kentucky livestock industry, and thus impact human food. Feed industry personnel have become more involved with ingredient assessment and monitoring, defining ingredient storage conditions, maintaining clean storage and manufacturing facilities, increased record keeping, and having plans in place to remove contaminated feed from distribution in case of an emergency situation.

Occurrences with animal or pet food that need attention may include abnormal feed color or odor, presence of a foreign material, animals refusing the feed, and sickness or death of animals. An investigation is warranted when any of these occur. Regulatory Services works in conjunction with the University of Kentucky Veterinary Diagnostic Laboratory, extension agents, local veterinarians, feed dealers, and feed manufacturers, and takes samples of feed when these incidences occur. Our continued emphasis on frequent inspections, regular sampling, laboratory analysis, label reviews, and inspections support efforts to maintain food safety and minimize any adverse impact.

In September 2016, Kentucky became one of 20 states fully participating in the Animal Feed Regulatory Program Standards (AFRPS) initiative, a joint effort by the American Association of Feed Control Officials (AAFCO) and the FDA to help build a more robust integrated food safety system by concentrating on regulation of animal feed production. This cooperative agreement will bring \$3,000,000 into the division and the university over the next five years.

Feed Registration and Labeling

Manufacturers are required to register all feeds before distribution to ensure that correct label information is provided to the purchaser. Each year, we conduct more than 7,000 label reviews for products for animals or pets. Guaranteed analysis, ingredient listings, and feeding directions for the intended animals or pets are scrutinized. Particular attention is given to medicated feed labels with regard to approved drug usage and dosage, statement of drug purpose, and any required warning, caution, or special feeding instructions. Misleading and unsubstantiated information or claims are prohibited. Currently, over 23,500 different commercial feeds and pet foods are currently registered for distribution by over 1,330 companies.

A feed label is the fundamental communication with the consumer; it provides purpose of the feed, directions for use, nutrient information, ingredient content, and special comments or warnings. Providing labeling assistance and guidance to product registrants and manufacturers has been beneficial in attaining high quality feeds and promoting food safety. A full-time registration specialist reviews product labels for compliance with applicable laws and regulations. The field inspectors assist manufacturers with labeling, resulting in more uniform and informative labels. Additionally, spreadsheets are available to assist in establishing label guarantees and for estimating nutritional suitability of custom mixed feeds and even pet treats. These services strengthen an excellent working relationship with the feed industry in Kentucky.

Table 1. Number of feed ingredient samples in 2016

Type	Official samples with guarantees	Other samples	Total
Alfalfa products	3	0	3
Animal products	18	0	18
Brewery products	0	1	1
Corn products	71	70	141
Cottonseed products	7	0	7
Distillers products	62	4	66
Soybean products	115	0	115
Wheat products	8	5	13
Other grains	10	32	42
Minerals	6	5	11
Vitamins	1	0	1
Urea & other NPN	0	0	0
Other	14	10	24
AAFCO samples	0	25	25
Total	315	152	467

Table 2. Number of commercial feed samples in 2016

Formula Feeds	Official samples with guarantees	Other samples	Total
Poultry feed	218	3	221
Beef feed	464	31	495
Dairy feed	61	5	66
Swine feed	127	4	131
Sheep feed	8	2	10
Goat feed	53	0	53
Equine feed	216	22	238
Rabbit feed	25	1	26
Fish feed	9	0	9
Deer products	25	1	26
Milk replacer	24	0	24
Mineral/vitamin/other	185	9	194
Wild bird food	16	0	16
Total	1431	78	1509

Table 3. Number of pet and specialty feed samples in 2016

Type	Official samples with guarantees	Other samples	Total
Dog food	564	2	566
Cat food	281	0	281
Dog & cat treats	502	0	502
Specialty pet & pet other	98	0	98
Total	1445	2	1447

Table 4. Number of feed analyses reported in 2016

		Official samples with guarantees	Other samples	Total
Proximate	Crude protein	2955	197	3152
	NPN equiv protein	58	6	64
	Crude fat	553	113	666
	AH fat	1344	17	1361
	Crude fiber	450	98	548
	Acid detergent fiber	7	5	12
	Ash	71	26	97
Minerals	Moisture	699	161	860
	Aluminum	0	4	4
	Arsenic	0	0	0
	Cadmium	0	0	0
	Calcium	2145	235	2380
	Ca:P Ratio	498	2	500
	Cobalt	117	13	130
	Copper	1301	1077	2378
	Chromium	0	2	2
	Iron	798	1582	2380
	Lead	0	0	0
	Magnesium	1007	1372	2379
	Manganese	982	1397	2379
	Molybdenum	0	1	1
	Phosphorus	2114	265	2379
	Potassium	1346	1033	2379
	Salt, min	955	36	991
Selenium	678	64	742	
Sodium	824	1556	2380	
Sulfur	37	27	64	
Zinc	1408	971	2379	
Vitamins	Vitamin A	317	17	334
Drugs	Amprolium	13	1	14
	Bacitracin	6	2	8
	Carbadox	0	2	2
	Chlortetracycline	89	6	95
	Decoquinat	20	4	24
	Lasalocid	50	104	154
	Melengestrol Acetate	0	0	0
	Monensin, sodium	113	98	211
	Oxytetracycline	7	1	8
Tylosin	3	1	4	
Mycotoxins	Aflatoxin	0	78	78
	Fumonisin	0	43	43
	Ochratoxin	0	5	5
	T-2-Toxin	0	4	4
	Vomitoxin	0	38	38
	Zearalenone	0	7	7
Other	L. Acidophilus bacteria	0	0	0
	Lactic acid bacteria	0	5	5
	Yeast count	0	0	0
	Microscopy	0	4	4
	Weight, net	0	0	0
Totals		20,965	10,680	31,645

Financial Support

The feed regulatory program is supported by inspection fees of the commercial feeds sold in Kentucky, registration fees for small package items, and General Assembly appropriated funds. An inspection fee of 35 cents per ton is paid on commercial feeds in packages of larger than 10 pounds. Distiller's wet grains, other distillers products of more than 75 percent moisture, whey and brewers wet grains distributed without further processing pay a fee of 5 cents per ton. Products sold exclusively in packages of 10 pounds or less pay an annual registration fee of \$50 per product. In 2016, the feed program collected a total of \$1,305,405 in inspection fees, registration fees and late payment penalties.

Changes in Antibiotic Use in Animal Feed and new Veterinary Feed Directive Rules

In December 2013, the FDA announced the implementation of a three-year plan that will radically change the use of antibiotics in food animals. FDA uses the term "judicious use" to describe how they view the future of antibiotic use in animal agriculture. The plan focuses on the antibiotics used in both human and animals with the goal of addressing the issue of antimicrobial resistance while still keeping these drugs available to the feed industry. An increase in veterinary oversight for therapeutic use of antimicrobial drugs through the existing Veterinary Feed Directive (VFD) system is a major component of the plan. The final rule was published in June 2015 and all regulations took effect on January 1, 2017.

Table 5. Reported tons of ingredients distributed

Ingredient	Exempt	Non-exempt
	2016	2016
Alfalfa products	1,624	6,429
Animal products	33,737	10,605
Brewery products	122	312
Corn products	49,179	126,328
Cottonseed products	284	4,659
Distillers products	58,596	221,167
Soybean products	159,365	516,295
Wheat products	74,109	21,406
Other grains/oilseeds	6,745	18,953
Minerals	37,541	81,899
Vitamins	24	3,184
Urea & other NPN	11,993	2,862
Other	37,218	100,507
Distillers wet grains		215,224
Brewers wet grains		27,940
Liquid whey		0
Total	470,538	1,357,768

Table 6. Reported tons of commercial feeds distributed

Type	2016
Poultry feed	86,547
Beef feed	318,880
Dairy feed	160,859
Swine feed	31,573
Sheep feed	3,141
Goat feed	4,098
Horse feed	107,475
Rabbit feed	4,328
Fish feed	1,741
Deer products	2,206
Milk replacer	1,917
Mineral/vitamin/other	63,935
Wild bird food	15,649
Pet food	190,282
Total	992,631

Table 7. Analytical variations for commercial feed samples

	Lower AV	Upper AV		Lower AV	Upper AV
Crude protein	-3%	50%	Zinc	-40%	200%
NPN equiv protein	-50%	20%	Vitamin A	-30%	200%
Crude fat	-20%	+5 units	Ash		5%
Acid hydrolysis fat	-20%	+5 units	Moisture		12%
Crude fiber	-60%	15%	Amprolium	-40%	20%
Acid detergent fiber	-60%	15%	Apramycin	-20%	20%
Calcium	-15%	+2 units	Bacitracin	-40%	40%
Phosphorus	-15%	+2 units	Carbadox	-20%	20%
Salt	-40%	40%	Chlortetracycline	-30%	30%
Sodium	-30%	130%	Decoquinat	-20%	20%
Magnesium	-40%	200%	Lasalocid	-25%	25%
Potassium	-30%	200%	Lincomycin	-25%	35%
Sulfur	-30%	30%	Monensin, Sodium	-30%	30%
Cobalt	-40%	200%	Oxytetracycline	-30%	30%
Copper	-40%	200%	Penicillin	-35%	35%
Iron	-40%	200%	Sulfamethazine	-20%	20%
Manganese	-40%	200%	Tylosin	-30%	30%
Molybdenum	-40%	100%	Virginiamycin	-40%	40%
Selenium	-40%	40%			

Only antibiotic drugs used in the feed and water of food producing animals are affected by the new regulations. Drugs included under new VFD guidelines include apramycin, chlortetracycline, erythromycin, hygromycin B, lincomycin, neomycin, oleandomycin, ormetoprim, oxytetracycline, penicillin, streptomycin, sulfadimethoxine, sulfamerazine, sulfamethazine, sulfaquinoxalene, tylosin, and virginiamycin. Drugs not included include ionophores (monensin and lasalocid), decoquinat, amprolium, carbadox, bacitracin, and flavomycin. These drugs are not used in human medicine.

Antibiotics will still be available in feed (or water) for treatment, control and prevention of diseases. However, with the new regulations, all the medically important drugs will all require a VFD and veterinarian involvement for use in feed or a prescription if used in water. These same medically important drugs will no longer be available for use to enhance growth or improve feed efficiency.

Changes in Sampling and Tonnage Reporting

The implementation of new software systems in 2015 allowed for some changes in how our division tracks and reports feed samples and feed tonnage. For Tables 1 through 4, we are reporting both official samples with label guarantees and other samples. Official samples are those collected by our inspectors under guidelines specified by our sampling protocols. Other samples reported include unofficial samples analyzed as part of a feed-related investigation, lab proficiency samples, and other service samples.

Feed Sampling

Tables 1, 2 and 3 list the number of samples analyzed in 2016 obtained by field inspectors of feed ingredients, commercial feeds, and pet/specialty foods. In 2016, pet and specialty foods constituted over 45 percent of all official samples collected. The majority of these samples were complete foods for dogs and cats but with

the increase in distribution of pet treats in Kentucky, inspectors are also sampling more of these products as well.

In addition to the official samples reported, our lab also analyzed an additional 232 other samples. The samples include ingredients and products submitted to our lab by county extension agents, the UK Veterinary Diagnostic Laboratory, livestock producers, and consumers.

Feed Analysis

Analysis of nutrients and other components in feed samples are provided by the feed laboratory. The laboratory data is used to evaluate suitability of product labeling, feed quality, and absence of any contaminants or deleterious substances. Table 4 reports the number of various feed analyses conducted on samples during 2016.

Tonnage Distribution

Tables 5 and 6 use data collected from the Kentucky feed tonnage reports submitted by firms distributing feed products in the state. Table 5 reports ingredients and Table 6 reports commercial feeds. The term “exempt” represents ingredients sold to other feed manufacturers in Kentucky who pay the inspection fees. “Non-exempt” represents ingredients in which the reporting firm pays the inspection fee.

Analytical Variations

Regulatory officials use analytical variations (AVs) as a guide for issuing any type of violation of the label guarantee. The total variation surrounding an analytical analysis of a feed product and comparing it to a label consists of (1) variation associated with the formulation and mixing in producing a feed, (2) variation of particle sizes in feed ingredients, (3) potential

ingredient settling during transport, (4) variation associated with sampling, (5) variation associated with mixing and grinding samples, and (6) variation during analysis in the laboratory. Most variations associated with sampling, mixing, grinding, and analysis in the laboratory are known as a result of many years of study to arrive at official methods. The AVs listed below allow for the inherent variability in sources that follow the official methods, with more weight given to the areas of analytical variation. The laboratory reported value of an analyte in a sample is reviewed with respect to the guarantee using the AVs below as a guide.

Note that the AVs listed for minerals do not apply to cat and dog complete foods formulated to meet Association of American Feed Control Officials (AAFCO) requirements. These complete pet foods must meet AAFCO pet food profiles. All profiles have minimum mineral requirements and some have maximums as well. In this situation, the tolerances are national standards set by AAFCO but these are further adjusted by the lab to include sample variation.

Sample Violation Report

The sample violation report for 2016 includes 3,191 official samples from 504 different manufacturers or guarantors. Overall, 71 percent of samples passed (no violations on any analytes) while 94 percent of all analytes met their label guarantees. When label violations are found, manufacturers or guarantors are requested to investigate and report their findings to the feed director. When violations have the potential to harm animals or consumers, our office has the authority to withdraw the product from distribution until the problem is corrected.

Report of Official Feed Samples Analyzed—2016

Business Name	Samples			Tests			Sample Violations
	Total	No. Passed	% Passed	Total	No. Passed	% Passed	
ABENGOA BIOENERGY OF INDIANA, MT VERNON, IN	2	2	100%	6	6	100%	None
ADAIRVILLE FEED MILL, ADAIRVILLE, KY	8	8	100%	36	36	100%	None
ADAIRVILLE FEED MILL #2, ADAIRVILLE, KY	9	9	100%	47	47	100%	None
ADM (SOY PROCESSING), FRANKFORT, IN	1	1	100%	2	2	100%	None
ADM ALLIANCE NUTRITION INC, QUINCY, IL	29	19	66%	207	195	94%	C Protein (1) Fat (1) Cu (1) K (1) Se (2) Vit A (5) Monensin (1)
ADM CORN PROCESSING/J ARCHER, DECATUR, IL	3	3	100%	5	5	100%	None
AG PROCESSING, INC., OMAHA, NE	1	1	100%	2	2	100%	None
AGRI-KING, INC., FULTON, IL	2	2	100%	12	12	100%	None
AHC PRODUCTS INC, WINCHESTER, KY	1	0	0%	6	4	67%	K (1) Na (1)
AINSWORTH PET NUTRITION, MEADVILLE, PA	10	7	70%	109	106	97%	AH Fat (1) Ca (1) Cu (1)
ALASKA NATURALS PET PRODUCTS, BELLINGHAM, WA	1	1	100%	1	1	100%	None
ALDI INC, BATAVIA, IL	7	7	100%	79	79	100%	None
ALLEN COUNTY FARMERS SERVICE, INC., SCOTTSVILLE, KY	5	3	60%	18	15	83%	C Protein (2) C Fiber (1)
ALLIANCE MARKETING GROUP, BRENTWOOD, MO	1	0	0%	12	11	92%	Ca (1)
AMERICAN PET NUTRITION, OGDEN, UT	1	1	100%	3	3	100%	None
AMERICAN TUNA INC, BONITA, CA	2	0	0%	23	17	74%	Ca (2) Mn (2) Zn (2)
ANDERSON COUNTY FARM SERVICE, INC., LAWRENCEBURG, KY	1	0	0%	5	2	40%	P (1) Cu (1) Zn (1)
ANI-LOGICS OUTDOORS LLC, WORTHINGTON, MN	3	0	0%	24	18	75%	Cu (3) Mn (1) K (1) Zn (1)
ANTLER KING TROPHY PRODUCTS, INC., BLACK RIVER FALLS, WI	3	1	33%	25	21	84%	Fe (2) S (2)
ARCHER DANIEL MIDLAND CO, DECATUR, IL	1	0	0%	2	1	50%	C Protein (1)
ARNOLD FEED & SEED, CAMPBELLSVILLE, KY	3	2	67%	14	13	93%	K (1)
ARTHUR DOGSWELL LLC, LOS ANGELES, CA	9	6	67%	48	45	94%	AH Fat (3)
ARTHUR PET PRODUCTS, SALISBURY, MD	20	9	45%	37	26	70%	C Protein (1) AH Fat (10)
ASHLAND MILLING COMPANY, INC., ASHLAND, KY	4	3	75%	22	21	95%	Fat (1)
ASSOC WHOLE GROC, KANSAS CITY, KS	11	9	82%	100	98	98%	AH Fat (2)
AUTHORITY PET FOOD CO, PHOENIX, AZ	16	14	88%	176	173	98%	K (1) Na (1) Vit A (1)
BAGDAD ROLLER MILLS, INC., BAGDAD, KY	29	16	55%	163	147	90%	C Protein (4) Fat (1) C Fiber (1) P (1) Cu (4) Se (4) Zn (1)
BARDSTOWN MILLS, INC., BARDSTOWN, KY	6	1	17%	33	26	79%	C Protein (5) P (1) Cu (1)
BARTON BRANDS, LTD., BARDSTOWN, KY	4	2	50%	12	10	83%	C Protein (2)
BCCCH LLC, MAUMELLE, AR	3	3	100%	6	6	100%	None

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	Total	No. Passed	% Passed	Total	No. Passed	% Passed	
BENCH & FIELD PET FOODS LLC, MISKAWAKA, IN	1	0	0%	13	12	92%	Na (1)
BETSY FARMS, EAGLE, ID	2	2	100%	3	3	100%	None
BIG & J INDUSTRIES INC, GRAND ISLAND, NE	3	2	67%	18	17	94%	C Protein (1)
BIG BARN FARM STORE, GARRISON, KY	7	3	43%	35	31	89%	C Protein (1) Salt (1) Cu (1) Decox (1)
BIG CREEK FOODS LLC, GAINESVILLE, GA	2	0	0%	4	2	50%	AH Fat (2)
BIG HEART PET BRANDS/DEL MONTE, PITTSBURGH, PA	18	14	78%	147	142	97%	AH Fat (3) Ca (1) Mn (1)
BIL JAC FOODS INC, MEDINA, OH	1	1	100%	3	3	100%	None
BIO BISCUIT INC, ST HYACINTHE, QC	1	1	100%	3	3	100%	None
BIONICHE ANIMAL HEALTH USA INC, ATHENS, GA	1	0	0%	4	3	75%	Fat (1)
BIOZYME INCORPORATED, ST JOSEPH, MO	2	2	100%	22	22	100%	None
BIXBI PET, BOULDER, CO	5	1	20%	9	5	56%	C Protein (1) AH Fat (3)
BLACK GOLD PET FOODS INC, VIENNA, MO	4	4	100%	30	30	100%	None
BLUE BUFFALO CO LTD, WILTON, CT	22	21	95%	235	232	99%	AH Fat (1) Ca (1) P (1)
BLUE RIDGE NATURALS, MURPHY, NC	4	2	50%	7	5	71%	AH Fat (2)
Blue Star Mineral, LAWRENCEBURG, KY	1	1	100%	10	10	100%	None
BLUEGRASS BARKERY, LEXINGTON, KY	2	2	100%	4	4	100%	None
BLUEGRASS FARM SUPPLY, MARION, KY	8	7	88%	49	48	98%	Zn (1)
BLUEGRASS FEED & SUPPLY LLC, HUSTONVILLE, KY	3	3	100%	15	15	100%	None
BLUEGRASS SEED & FERTILIZER, INC., BARDSTOWN, KY	6	1	17%	16	9	56%	C Protein (4) C Fiber (1) Ca (1) Salt (1)
Bocce's Bakery, Brooklyn, NY	3	3	100%	6	6	100%	None
BOSCO & ROXYS INC, LONDON, ON	1	1	100%	2	2	100%	None
BOSTON TREAT HOUSE, Boyton Beach, FL	1	0	0%	3	1	33%	C Protein (1) AH Fat (1)
BOWLIN FEED INC, ALBANY, KY	4	2	50%	32	28	88%	Co (2) Mn (1) Zn (1)
BOWMAN MILLING, POCAHONTAS, MO	1	1	100%	3	3	100%	None
BOYDTON FARM SUPPLY LLC, BOYDTON, VA	1	1	100%	13	13	100%	None
BRAVO RAW DIET, MANCHESTER, CT	2	1	50%	15	10	67%	C Protein (1) Ca (1) P (1) Mn (1) Ca:P (1)
BRODHEAD FARM MART, BRODHEAD, KY	3	1	33%	17	15	88%	C Protein (2)
BROOKSVILLE FARM SUPPLY, BROOKSVILLE, KY	14	2	14%	80	61	76%	C Protein (1) Ca (8) P (7) Cu (2) Zn (1)
BUCKLEY BROS INC, WILMINGTON, OH	2	1	50%	9	7	78%	C Protein (1) Salt (1)
BUCKLEY PET, BOULDER, CO	1	0	0%	3	0	0%	C Protein (1) AH Fat (1) Moisture (1)
BUDDY'S BISCUITS, CHESTERFIELD, MO	5	4	80%	11	10	91%	AH Fat (1)
BUDDY'S KITCHEN, AURORA, ON	4	0	0%	8	3	38%	C Protein (4) AH Fat (1)
BUFFALO TRACE DISTILLERY INC, FRANKFORT, KY	1	1	100%	3	3	100%	None

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BULLY MAX, PITTSBURG, PA	2	1	50%	11	6	55%	Ca (1) P (1) Mg (1) Mn (1) K (1)
BUNGE NA (EAST) LLC - MORRISTOWN, MORRISTOWN, IN	8	7	88%	16	15	94%	C Protein (1)
BUNGE NA INC - CAIRO, CAIRO, IL	15	14	93%	28	27	96%	C Fiber (1)
BURKMANN FEEDS, DANVILLE, KY	87	63	72%	648	606	94%	C Protein (3) Fat (2) Ca (2) P (4) Co (1) Cu (1) Mg (4) Mn (1) K (1) Se (4) S (4) Zn (1) Vit A (2) CTC (1) Monensin (1)
BURKMANN FEEDS, GLASGOW, KY	68	56	82%	292	273	93%	C Protein (6) Fat (1) Ca (2) P (2) Salt (2) Se (3) CTC (1) Monensin (2)
BURKMANN FEEDS, BOWLING GREEN, KY	11	5	45%	41	34	83%	C Protein (6) Ca (1)
BURKMANN FEEDS, LONDON, KY	9	6	67%	49	46	94%	C Protein (1) Ca (1) Se (1)
BURKMANN FEEDS - HARDINSBURG, HARNED, KY	5	3	60%	31	27	87%	C Protein (2) Cu (2)
BURKMANN FEEDS OF EDMONTON, EDMONTON, KY	1	0	0%	3	2	67%	C Protein (1)
BUSCH AGRICULTURAL RESOURCES, JONESBORO, AR	2	2	100%	6	6	100%	None
BY PRODUCT FEED BLENDEES, LEBANON, KY	1	1	100%	5	5	100%	None
C3 FEED & FARM LLC, BOWLING GREEN, KY	6	6	100%	26	26	100%	None
CALHOUN FEED SERVICE LLC, MADISONVILLE, KY	6	4	67%	18	15	83%	C Protein (2) Cu (1)
CALHOUNS FARM & PET, MADISONVILLE, KY	2	2	100%	4	4	100%	None
CALLIHAN FEEDS, ARGILLITE, KY	2	2	100%	7	7	100%	None
CAN AM PET TREATS INC, VERNON, BC	2	2	100%	4	4	100%	None
CANEYVILLE MILLING COMPANY, CANEYVILLE, KY	35	27	77%	127	118	93%	C Protein (3) Fat (2) Salt (3) Cu (1)
CANIDAE CORPORATION, NORCO, CA	9	8	89%	99	97	98%	Ca (1) P (1)
CARDINAL LABORATORIES INC, AZUSA, CA	3	2	67%	6	5	83%	AH Fat (1)
CARGILL - CORN MILLING DIV, DAYTON, OH	2	2	100%	4	4	100%	None
CARGILL ANIMAL NUTRITION, MINNEAPOLIS, MN	21	16	76%	137	131	96%	C Protein (2) Cu (1) K (1) Vit A (1) Monensin (1)
CARGILL DRY CORN INGREDIENTS, PARIS, IL	4	4	100%	9	9	100%	None

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	Total	No. Passed	% Passed	Total	No. Passed	% Passed	
CARGILL INCORPORATED, MINNEAPOLIS, MN	8	6	75%	26	24	92%	C Protein (1) C Fiber (1)
CARNIVORE MEAT CO LLC, GREEN BAY, WI	1	0	0%	13	11	85%	AH Fat (1) Mn (1)
CAROLINA PRIME PET, LENOIR, NC	2	1	50%	4	3	75%	AH Fat (1)
CARU PET FOOD, VERO BEACH, FL	2	2	100%	25	25	100%	None
CASTOR & POLLUX PET WORKS, AMARILLO, TX	4	4	100%	51	51	100%	None
CAUDILL SEED - LOUISVILLE, LOUISVILLE, KY	1	0	0%	11	7	64%	C Protein (1) Cu (1) Mn (1) Se (1)
CENTRAL AQUATIC, FRANKLIN, WI	1	1	100%	2	2	100%	None
CENTRAL FARM & GARDEN, WOOSTER, OH	1	1	100%	3	3	100%	None
CENTRAL FARM SUPPLY OF KY, INC., LOUISVILLE, KY	7	3	43%	48	43	90%	Ca (1) P (1) Vit A (1) OTC (2)
CENTRAL FARMERS SUPPLY, INC., GREENSBURG, KY	14	6	43%	72	61	85%	C Protein (4) C Fiber (1) Salt (1) Se (4) Zn (1)
CENTRAL GARDEN & PET COMPANY, IRWINDALE, CA	1	1	100%	12	12	100%	None
CEREAL BYPRODUCTS CO, MT PROSPECT, IL	1	0	0%	3	1	33%	C Protein (1) Fat (1)
CHAMPION FREEZE DRY, OAKVILLE, ON	1	0	0%	2	1	50%	AH Fat (1)
CHAMPION PETFOODS LP, EDMONTON, AB	1	1	100%	13	13	100%	None
CHAMPION PETFOODS USA INC, AUBURN, KY	6	5	83%	74	73	99%	Ca (1)
CHARLEE BEAR FARMS INC, ST FRANCIS, WI	1	1	100%	2	2	100%	None
CHICKEN SOUP/PET LOVER'S SOUL, COS COB, CT	12	10	83%	153	149	97%	Ca (2) P (2)
CHS INC, INVER GROVE HEIGHTS, MN	6	6	100%	16	16	100%	None
CLEMENTS AG SUPPLY, SPRINGFIELD, KY	6	1	17%	29	23	79%	C Protein (5) K (1)
CLOUD STAR, SAN LUIS OBISPO, CA	7	5	71%	14	12	86%	AH Fat (2)
COBALT INTERNATIONAL, ROCK HILL, SC	3	3	100%	9	9	100%	None
COMMONWEALTH AGRI-ENERGY, LLC, HOPKINSVILLE, KY	3	3	100%	12	12	100%	None
CONSOLIDATED GRAIN & BARGE, MT VERNON, IN	11	11	100%	21	21	100%	None
CONSUMERS SUPPLY DISTRIBUTING, NORTH SIOUX CITY, SD	3	3	100%	17	17	100%	None
CORRECT FOODS INC, CYNTHIANA, KY	2	0	0%	26	24	92%	Cu (2)
COUNTRY ACRES FEED CO INC, BRENTWOOD, MO	10	10	100%	43	43	100%	None
CPC COMMODITIES, LLC, FOUNTAIN RUN, KY	55	35	64%	422	396	94%	C Protein (8) NPN (2) Fat (1) C Fiber (1) Ca (3) P (2) Mn (1) K (4) Se (1) Lasalocid (1) Monensin (2)
CSD NUTRITION LLC, NORTH SIOUX CITY, SD	1	1	100%	2	2	100%	None
CULLMAN BLEND MILL, CULLMAN, AL	4	4	100%	11	11	100%	None
CUSTOM FEED MILL LLC, MORGANFIELD, KY	14	5	36%	113	103	91%	C Protein (2) Ca (3) Mg (1) K (1) Se (3)

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DAD'S PET CARE INC, MEADVILLE, PA	4	4	100%	50	50	100%	None
DARLING INTERNATIONAL INC, IRVING, TX	22	20	91%	44	41	93%	C Protein (1) Ca (1) P (1)
DAVE'S PET FOOD, AGAWAM, MA	2	0	0%	25	19	76%	AH Fat (2) Ca (2) P (2)
DAY & DAY FEED MILL, COLUMBIA, KY	3	3	100%	14	14	100%	None
DELIGHTABLES, EAGLE, ID	3	3	100%	5	5	100%	None
DESIGNING HEALTH INC, VALENCIA, CA	5	2	40%	12	9	75%	AH Fat (3)
DIAMOND PET FOODS CO, META, MO	10	7	70%	115	111	97%	AH Fat (3) Ca (1)
DICK VAN PATTEN'S, BURBANK, CA	14	10	71%	128	124	97%	AH Fat (2) P (2)
DINOVITE INC, CRITTENDEN, KY	7	5	71%	20	17	85%	C Protein (1) AH Fat (2)
DOG FOR DOG, SANTA MONICA, CA	21	13	62%	100	92	92%	C Protein (6) AH Fat (2)
DOLGENCORP LLC, GOODLETTSVILLE, TN	12	12	100%	109	109	100%	None
DURVET INC, BLUE SPRINGS, MO	1	1	100%	7	7	100%	None
DZA BRANDS LLC, SALISBURY, NC	23	16	70%	270	260	96%	AH Fat (4) Ca (3) P (2) Mg (1)
EARTH ANIMAL, WESTPORT, CT	2	2	100%	3	3	100%	None
ELIVE LLC, NEW BERLIN, WI	1	1	100%	2	2	100%	None
EMERALD PET PRODUCTS, OAKLAND, CA	1	0	0%	2	1	50%	AH Fat (1)
ENDURANCE FEEDS INC, MAYFIELD, KY	16	5	31%	100	85	85%	C Protein (3) Fat (1) Ca (2) P (3) Salt (4) Cu (2)
EQUUS MAGNIFICUS, White Bear Lake, MN	1	0	0%	3	2	67%	Fat (1)
ETTA SAYS LLC, MARYLAND HEIGHTS, MO	7	2	29%	15	9	60%	AH Fat (5) Moisture (1)
EUROCAN PET PRODUCTS, NEW HAMBURG, ON	1	0	0%	2	1	50%	AH Fat (1)
EVANGERS DOG & CAT FOOD CO INC, WHEELING, IL	8	1	13%	77	60	78%	AH Fat (6) Ca (4) P (4) Cu (1) Mn (1) Zn (1)
EVOLVED HABITATS, NEW ROADS, LA	5	5	100%	17	17	100%	None
EXCEL EQUINE, LOUISVILLE, KY	14	13	93%	98	95	97%	C Protein (1) P (1) Cu (1)
EXCLUSIVELY PET INC, MILWAUKEE, WI	5	4	80%	11	10	91%	AH Fat (1)
EXL MILLING LTD, LLOYDMINSTER, SK	1	1	100%	2	2	100%	None
EXOTIC NUTRITION, NEWPORT NEWS, VA	2	2	100%	7	7	100%	None
F M BROWNS SONS INC, SINKING SPRING, PA	1	1	100%	4	4	100%	None
FAITHWAY FEED CO INC, GUNTERSVILLE, AL	11	7	64%	127	120	94%	Ca (4) P (3)
FAMILY DOLLAR SERVICES, CHARLOTTE, NC	5	4	80%	49	48	98%	Ca:P (1)
FAMILY FARM & HOME, Muskegon, MI	1	0	0%	10	9	90%	C Protein (1)
FARMER'S CHOICE FEED MILL, KIRKSEY, KY	1	1	100%	5	5	100%	None
FARMERS FEED MILL, LEXINGTON, KY	11	9	82%	68	66	97%	Salt (1) Se (1)

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FARNAM CO - HORSE PRODUCTS DIVISION, PHOENIX, AZ	2	1	50%	19	16	84%	Co (1) Fe (1) Zn (1)
FARNAM CO INC, PHOENIX, AZ	1	1	100%	2	2	100%	None
FEED PRODUCTS & SERVICE CO, ST LOUIS, MO	2	2	100%	2	2	100%	None
FEEDERS SUPPLY COMPANY, LOUISVILLE, KY	2	2	100%	4	4	100%	None
FERTRELL CO, BAINBRIDGE, PA	1	1	100%	5	5	100%	None
FETCH - FOR COOL PETS, NEW YORK, NY	6	5	83%	12	11	92%	P (1)
FINISH LINE HORSE PRODUCTS, BENSENVILLE, IL	1	1	100%	10	10	100%	None
FIVE STAR FEED SERVICE, HOPKINSVILLE, KY	5	1	20%	44	34	77%	C Protein (1) NPN (1) Fat (1) P (1) Salt (1) Co (1) Mg (1) Vit A (3)
FLUKER FARMS INC, PORT ALLEN, LA	1	1	100%	5	5	100%	None
FOOD SCIENCE CORP, Essex Junction, VT	1	0	0%	10	9	90%	Cu (1)
FOPPERS PET TREAT BAKERY, LOGANSPOUT, IN	5	5	100%	10	10	100%	None
FORMAX FEEDS, DANVILLE, KY	21	13	62%	137	128	93%	C Protein (3) Salt (1) Se (3) Vit A (1) Monensin (1)
FOUR PAWS PRODUCTS LTD, NEPTUNE CITY, NJ	1	0	0%	2	1	50%	Zn (1)
FRANK HINTON & SON, PLUMMERS LANDING, KY	22	11	50%	138	124	90%	C Protein (6) Fat (1) Ca (1) Cu (2) Fe (1) Se (1) Zn (1) Vit A (1)
FREDS INC, MEMPHIS, TN	4	4	100%	48	48	100%	None
FREEDOM HEALTH LLC, AURORA, OH	1	1	100%	2	2	100%	None
FRESH PET, SECAUCUS, NJ	3	3	100%	28	28	100%	None
FROMM FAMILY FOODS LLC, MEQUON, WI	4	2	50%	50	46	92%	Ca (2) P (1) Ca:P (1)
GARMON CORP, TEMECULA, CA	4	2	50%	19	10	53%	Ca (1) P (1) Fe (2) Mg (1) Mn (2) K (1) Vit A (1)
GATEWAY PRODUCTS INC, HOLLY, CO	1	1	100%	2	2	100%	None
GENERAL NUTRITION COMPANY, PITTSBURGH, PA	5	4	80%	17	16	94%	Fe (1)
GHC MILLING COMPANY, FORDSVILLE, KY	10	9	90%	58	57	98%	C Protein (1)
GOLDENROD FEEDS, LIBERTY, KY	3	1	33%	15	13	87%	Ca (1) P (1)
GRAHAM FEED CO, TERRE HAUTE, IN	1	0	0%	1	0	0%	C Protein (1)
GRAIN PROCESSING CORP - INDIANA, WASHINGTON, IN	4	4	100%	11	11	100%	None
GRANDMA LUCY'S, RANCHO SANTA MARGARITA, CA	3	1	33%	7	4	57%	C Protein (2) AH Fat (1)
GREEN PLAINS BLUFFTON LLC, BLUFFTON, IN	2	2	100%	10	10	100%	None
GREEN PLAINS OBION, RIVES, TN	4	4	100%	14	14	100%	None

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GREEN RIVER FEED MILL, INC., MORGANTOWN, KY	20	10	50%	84	71	85%	C Protein (5) Ca (2) P (3) Cu (1) Zn (2)
GREENBRIER INTERNATIONAL, CHESAPEAKE, VA	3	2	67%	31	30	97%	Zn (1)
GRO-TEC INC, MODOC, IN	2	0	0%	13	10	77%	Fat (1) Fe (1) Mn (1)
H & G LIMESTONE/EDDYVILLE, ELIZABETHTOWN, IL	1	1	100%	1	1	100%	None
HALO-PURELY FOR PETS, TAMPA, FL	3	3	100%	38	38	100%	None
HAMLET PROTEIN INC, FINDLAY, OH	1	1	100%	3	3	100%	None
Hansen-Mueller Co, Omaha, NE	1	1	100%	3	3	100%	None
HAPPY HEN TREATS, BOERNE, TX	2	0	0%	11	9	82%	Salt (1) Na (1)
HAPPY HOWIES INC, DETROIT, MI	3	1	33%	6	4	67%	AH Fat (2)
HART AGSTRONG LLC, TRENTON, KY	1	1	100%	3	3	100%	None
HARTZ MOUNTAIN CORPORATION, SECAUCUS, NJ	4	4	100%	13	13	100%	None
Hays Feed & Seed LLC, Smiths Grove, KY	14	1	7%	117	81	69%	C Protein (5) C Fiber (1) Ca (7) Salt (1) Cu (8) Mn (1) K (4) Zn (8) Vit A (1)
HBH PET PRODUCTS, SPANISH FORK, UT	1	1	100%	2	2	100%	None
HEALTH PRO NUTRITION, SOUTH EL MONTE, CA	3	2	67%	8	6	75%	AH Fat (1) Ca (1)
HEALTHY DOGMA, LAKE ORION, MI	1	1	100%	2	2	100%	None
Healthy Pet, Ferndale, WA	1	1	100%	2	2	100%	None
Healthy Treats Inc., Naples, FL	2	2	100%	4	4	100%	None
HERBSMITH INC, HARTLAND, WI	2	0	0%	4	2	50%	AH Fat (2)
Hi Standard Dog Food, PINCKNEYVILLE, IL	3	3	100%	37	37	100%	None
HIGGINS GROUP CORPORATION, MIAMI, FL	1	1	100%	4	4	100%	None
Highland Feed and Supply, Hillsboro, OH	4	2	50%	29	27	93%	Salt (1) Zn (1)
HIKARI SALES USA INC, HAYWARD, CA	2	2	100%	5	5	100%	None
Hiland Supply Co., LTD, Millersburg, OH	1	1	100%	7	7	100%	None
HILANDER FEED COMPANY, GEORGETOWN, KY	3	3	100%	12	12	100%	None
HILLS PET NUTRITION INC, TOPEKA, KS	11	11	100%	87	87	100%	None
HI-TEK RATIONS, DUBLIN, GA	5	3	60%	42	39	93%	Ca (2) P (1)
HOOVERS FEED MILL, SCOTTSVILLE, KY	17	14	82%	86	83	97%	Fat (1) Ca (1) Zn (1)
HORIZON MFG INC/ACCT DEPT, CALGARY, AB	2	2	100%	26	26	100%	None
HORSE HEALTH PRODUCTS, PHOENIX, AZ	1	0	0%	11	10	91%	S (1)
HOUND & GATOS PET FOOD, ATLANTA, GA	1	0	0%	13	12	92%	Ca:P (1)
HT PET PRODUCTS, El Paso, TX	1	1	100%	3	3	100%	None
HUBBARD FEEDS INC, MANKATO, MN	9	8	89%	68	67	99%	K (1)
HUBBARD FEEDS INC, MENDOTA, IL	1	1	100%	2	2	100%	None
HUGS PET PRODUCTS, MONTREAL, MO	1	1	100%	13	13	100%	None
IAMS FOOD COMPANY, MASON, OH	13	8	62%	142	135	95%	AH Fat (1) Ca (2) P (4)
I'D RATHER BE WITH MY DOG, AGAWAM, MA	2	0	0%	4	2	50%	AH Fat (2)

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	Total	No. Passed	% Passed	Total	No. Passed	% Passed	
IMS PET INDUSTRIES, WOOD RIDGE, NJ	2	1	50%	3	2	67%	C Protein (1)
INGREDION INC, WESTCHESTER, IL	1	1	100%	2	2	100%	None
INTEGRITY FEEDS LLC, OWENSBORO, KY	27	9	33%	226	185	82%	C Protein (2) Ca (2) P (3) Salt (2) Co (3) Cu (4) Mg (3) Mn (3) K (2) Se (3) Zn (3) Vit A (9) Monensin (2)
INTEGRITY FEEDS LLC, HARDIN, KY	1	0	0%	7	6	86%	CTC (1)
INTER AMERICAN, CINCINNATI, OH	9	6	67%	62	59	95%	C Protein (1) AH Fat (2)
INTL PET SUPPLIES/DISTRIBUTING, SAN DIEGO, CA	12	9	75%	69	64	93%	C Protein (1) AH Fat (2) Ca (1) P (1)
ISLE OF DOGS CORPORATION, GERMANTOWN, WI	3	3	100%	6	6	100%	None
J & H FEED & TACK INC, PAINTSVILLE, KY	16	8	50%	78	68	87%	C Protein (5) Fat (2) C Fiber (1) Ca (1) P (1)
J E RONICKER LABS INC, WEST MILTON, OH	3	1	33%	23	19	83%	Ca (2) Mn (1) Vit A (1)
J.E.S. Supply, Prattville, AL	2	0	0%	24	19	79%	C Protein (1) NPN (2) P (1) Vit A (1)
JABETOWN MILL, EWING, KY	4	4	100%	6	6	100%	None
JACK'S PET, BEAVERCREEK, OH	2	2	100%	6	6	100%	None
JBS UNITED INC, SHERIDAN, IN	1	1	100%	5	5	100%	None
JEFFRIES FEED, SEED & SUPPLY, CAMPBELLSVILLE, KY	2	2	100%	7	7	100%	None
JENKINS FEED SERVICE, ADAMS, TN	9	4	44%	55	47	85%	C Protein (1) Fat (2) P (3) Cu (1) Zn (1)
JOY PET FOODS, PINCKNEYVILLE, IL	3	2	67%	38	37	97%	P (1)
JRB FOODS INC, SHARON CENTER, OH	3	3	100%	6	6	100%	None
JT ENTERPRISES, MYRA, KY	2	0	0%	8	6	75%	C Protein (2)
K9 GRANOLA FACTORY, THOMASVILLE, PA	1	0	0%	2	0	0%	C Protein (1) AH Fat (1)
KALMBACH FEEDS INC, UPPER SANDUSKY, OH	20	15	75%	147	142	97%	C Protein (3) K (1) Se (1)
KASEL INDUSTRIES, DENVER, CO	1	0	0%	2	1	50%	AH Fat (1)
KAYTEE PRODUCTS INC, CHILTON, WI	20	15	75%	43	38	88%	AH Fat (5)
KDR PET TREATS LLC, FRESNO, CA	8	0	0%	28	15	54%	C Protein (2) AH Fat (5) Fe (2) Zn (4)
KEE'S FARM SERVICE & SUPPLY, LLC., GRAYSON, KY	1	1	100%	4	4	100%	None
KELLY FOODS CORPORATION, MEDINA, OH	12	12	100%	89	89	100%	None

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KENT NUTRITION GROUP INC, MUSCATINE, IA	19	17	89%	157	150	96%	C Protein (1) Cu (1) Mg (2) Mn (1) Se (1) Zn (1)
KENTUCKY EQUINE RESEARCH INC, VERSAILLES, KY	2	2	100%	14	14	100%	None
KENTUCKY NUTRITION SERVICE, LAWRENCEBURG, KY	9	8	89%	92	91	99%	Fe (1)
KENTUCKY ORGANICS FARM & FEED, PEMBROKE, KY	7	6	86%	40	38	95%	Ca (1) P (1)
KENTUCKY PERFORMANCE PRODUCTS, VERSAILLES, KY	1	1	100%	5	5	100%	None
KER SPORT HORSE NUTRITION, VERSAILLES, KY	2	2	100%	15	15	100%	None
K-MART CORPORATION, HOFFMAN ESTATES, IL	12	10	83%	142	140	99%	AH Fat (2)
KOCH CHINCHILLA RANCH, CINCINNATI, OH	1	1	100%	5	5	100%	None
KONG COMPANY, GOLDEN, CO	3	3	100%	7	7	100%	None
KREAMER FEED INC, KREAMER, PA	3	3	100%	12	12	100%	None
KROGER, CINCINNATI, OH	10	7	70%	92	89	97%	C Protein (2) Ca (1)
LAKE CUMBERLAND FEED & FARM SUPPLY, LLC, RUSSELL SPRINGS, KY	3	1	33%	20	17	85%	Ca (2) Cu (1)
LESTER STUTZMAN FEED MILL, MARION, KY	5	5	100%	19	19	100%	None
LH KENTUCKIANA LLC, LOUISVILLE, KY	1	1	100%	3	3	100%	None
LIFE DATA LABS INC, CHEROKEE, AL	1	1	100%	7	7	100%	None
LOUIS DREYFUS CLAYPOOL HOLDING, KANSAS CITY, MO	1	1	100%	3	3	100%	None
LOVING PETS PRODUCTS, CRANBURY, NJ	14	4	29%	23	9	39%	C Protein (9) AH Fat (5)
LOWES PELLETS & GRAIN INC, GREENSBURG, IN	5	5	100%	21	21	100%	None
LUTTRULL FEEDS, INC., PEMBROKE, KY	8	7	88%	42	41	98%	Cu (1)
LYSTN LLC, FLEETWOOD, PA	5	3	60%	20	18	90%	AH Fat (2)
M & M GRAIN ROASTERS, ELKTON, KY	2	1	50%	14	12	86%	Cu (1) Zn (1)
M & W MILLING COMPANY INC, COLUMBIA, KY	2	2	100%	8	8	100%	None
MANNA PRO PRODUCTS, LLC, CHESTERFIELD, MO	16	14	88%	112	110	98%	Fat (1) Vit A (1)
MARS FISHCARE NORTH AMERICA INC, CHALFONT, PA	4	4	100%	8	8	100%	None
MARS PETCARE US INC, FRANKLIN, TN	21	19	90%	203	200	99%	Ca (1) P (2)
MARSHALL PET PRODUCTS, WOLCOTT, NY	5	5	100%	11	11	100%	None
MASTER FEEDS, LONDON, ON	2	1	50%	21	19	90%	Cu (1) Na (1)
MAXIMUM PERFORMANCE INC, LOUISVILLE, KY	1	0	0%	10	9	90%	Fe (1)
MAYS LICK MILL, MAYS LICK, KY	1	0	0%	1	0	0%	CTC (1)
MAZELIN FEED MILL, SCOTTSVILLE, KY	18	16	89%	84	82	98%	Ca (2)
MCCAULEY BROS INC, VERSAILLES, KY	18	17	94%	129	128	99%	Salt (1)
MCRAY FEED, LLC, HARRODSBURG, KY	14	13	93%	65	64	98%	C Protein (1)
MEIJER INC, GRAND RAPIDS, MI	6	5	83%	33	32	97%	AH Fat (1)
MENARD INC, EAU CLAIRE, WI	8	6	75%	61	59	97%	AH Fat (1) Zn (1)
MENIFEE COUNTY FARM SUPPLY, FRENCHBURG, KY	2	2	100%	9	9	100%	None
MENNEL MILLING COMPANY, FOSTORIA, OH	1	1	100%	3	3	100%	None
MENU FOODS, PENNSAUKEN, NJ	4	4	100%	23	23	100%	None
MERRICK PET CARE INC, AMARILLO, TX	10	5	50%	126	118	94%	C Protein (1) AH Fat (3) Ca (3) Cu (1)
MFS ALLIANCE, INC., EDMONTON, KY	10	5	50%	36	31	86%	C Protein (3) Fat (1) Salt (1)

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Business Name	Samples			Tests			Sample Violations
	Total	No. Passed	% Passed	Total	No. Passed	% Passed	
MID AMERICA PET FOOD LLC, MT PLEASANT, TX	5	5	100%	64	64	100%	None
MIDWEST AGRI COMMODITIES CO, SAN RAFAEL, CA	3	3	100%	3	3	100%	None
MIDWESTERN PET FOODS INC, EVANSVILLE, IN	10	9	90%	93	91	98%	Ca (1) P (1)
MILK PRODUCTS, CHILTON, WI	3	2	67%	22	20	91%	Vit A (1) OTC (1)
MILK SPECIALTIES GLOBAL, EDEN PRAIRIE, MN	1	1	100%	7	7	100%	None
MILO'S KITCHEN LLC, PITTSBURGH, PA	4	2	50%	7	5	71%	AH Fat (2)
MIRACLE CORP PRODUCTS, DAYTON, OH	2	1	50%	4	3	75%	AH Fat (1)
MISSISSIPPI LIME CO, ST LOUIS, MO	2	2	100%	2	2	100%	None
MOLLY'S BARKERY, LONDON, ON	6	2	33%	12	7	58%	C Protein (2) AH Fat (3)
MONNIG BROTHERS, IRONTON, OH	4	4	100%	20	20	100%	None
MOUNTAIN PEAK PET TREATS, LLC, Grand Prairie, TX	1	0	0%	3	2	67%	AH Fat (1)
MOYER & SON INC, SOUDERTON, PA	8	5	63%	17	13	76%	C Protein (2) AH Fat (2)
MPM PRODUCTS USA INC, KENNESAW, GA	2	2	100%	23	23	100%	None
MRS PASTURES COOKIES FOR HORSE, WALNUT CREEK, CA	1	1	100%	2	2	100%	None
MYERS FEED & FARM SUPPLY, CORINTH, KY	6	4	67%	38	36	95%	C Protein (1) Cu (1)
NATURA PET PRODUCTS, FREMONT, NE	1	1	100%	13	13	100%	None
NATURAL POLYMER INTL CORP, PLANO, TX	1	1	100%	2	2	100%	None
NATUREL PROMISE, WENTZVILLE, MO	1	1	100%	2	2	100%	None
NATURES ANIMALS INC, MAMARONECK, NY	7	7	100%	13	13	100%	None
NATURES LOGIC, LINCOLN, NE	6	4	67%	37	32	86%	AH Fat (1) Ca (1) P (1) K (1) Zn (1)
NATURES RECIPÉ PET FOODS, PITTSBURGH, PA	10	8	80%	104	101	97%	AH Fat (1) Ca (1) Ca:P (1)
NATURES VARIETY, LINCOLN, NE	14	7	50%	125	116	93%	AH Fat (5) Ca (2) P (2)
NESTLE PURINA PETCARE CO, ST LOUIS, MO	39	39	100%	345	345	100%	None
NEW COUNTRY ORGANICS, WAYNESBORO, VA	1	1	100%	5	5	100%	None
NEW HEALTH PET PRODUCTS, LEXINGTON, SC	1	1	100%	2	2	100%	None
NOOTIE LLC, DELRAY BEACH, FL	5	5	100%	9	9	100%	None
NULO INC, AUSTIN, TX	8	8	100%	99	99	100%	None
NUNN MILLING COMPANY INC, EVANSVILLE, IN	5	4	80%	31	30	97%	C Protein (1)
NUTRA BLEND CORP, NEOSHO, MO	1	1	100%	6	6	100%	None
NUTRENA, MINNEAPOLIS, MN	16	10	63%	142	134	94%	C Protein (3) Ca (2) P (2) Vit A (1)
NUTRI-VET LLC, BOISE, ID	6	6	100%	17	17	100%	None
NUTRO PRODUCTS INC, FRANKLIN, TN	2	2	100%	17	17	100%	None
NYLABONE PRODUCTS, NEPTUNE, NJ	5	3	60%	11	9	82%	Ca (2)
ODOM'S LIVESTOCK SUPPLY, INC., MAYFIELD, KY	13	7	54%	79	73	92%	C Protein (1) Ca (1) Salt (2) Se (2)
OLD MILL PET PRODUCTS LLC, WESTPORT, CT	4	2	50%	9	7	78%	AH Fat (2)
OMEGA PAW INC, ST MARYS, ON	3	2	67%	6	4	67%	C Protein (1) AH Fat (1)

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OMEGA SEA LTD, PAINESVILLE, OH	3	2	67%	10	7	70%	C Protein (1) Ca (1) P (1)
ONPOINT INC., MONTVALE, NJ	5	4	80%	45	43	96%	Ca (1) P (1)
ORALX CORPORATION, OGDEN, UT	1	1	100%	2	2	100%	None
ORIGEN NUTRITION INC., CORONA, CA	3	3	100%	35	35	100%	None
ORSCHLON FARM & HOME, MOBERLY, MO	12	8	67%	75	71	95%	C Protein (4)
OVERTON-PICKETT FARMERS COOP, LIVINGSTON, TN	2	2	100%	9	9	100%	None
OWENSBORO GRAIN CO INC, OWENSBORO, KY	39	30	77%	72	63	88%	C Fiber (9)
OXBOW ENTERPRISES, MURDOCK, NE	6	4	67%	28	26	93%	AH Fat (1) Cu (1)
PACIFIC COAST DISTRIBUTING, PHOENIX, AZ	24	19	79%	287	281	98%	Ca (3) P (3)
PARAGON PET PRODUCTS USA INC, WILMINGTON, DE	1	1	100%	2	2	100%	None
PARTY ANIMAL INC, HOLLYWOOD, CA	11	1	9%	135	115	85%	AH Fat (6) Ca (7) P (7)
PATCHWORK DISTRIBUTION INC, CORONA, CA	1	1	100%	12	12	100%	None
PBI/GORDON, KANSAS CITY, MO	1	1	100%	2	2	100%	None
PEPPER'S HARDIN COUNTY MILLING COMPANY, ELIZABETHTOWN, KY	28	18	64%	105	93	89%	C Protein (7) Fat (2) C Fiber (2) Ca (1)
PERFORMANCE FEEDS, RED BOILING SPGS, TN	33	18	55%	215	197	92%	C Protein (1) Ca (1) P (5) Salt (1) Cu (1) Zn (1) CTC (1) Monensin (7)
PERFORMANCE SEED, ST. CLOUD, MN	1	0	0%	2	1	50%	AH Fat (1)
PERKINS FEED & FARM SUPPLY, PINE KNOT, KY	1	0	0%	5	3	60%	C Protein (1) Fat (1)
PET BRANDS, COLUMBUS, OH	3	3	100%	7	7	100%	None
PET KING, JAMAICA, NY	4	3	75%	7	6	86%	AH Fat (1)
PET NATURALS OF VERMONT, ESSEX JUNCTION, VT	2	0	0%	16	13	81%	Cu (1) Mg (1) K (1)
PET VALU CANADA INC, MARKHAM, ON	11	11	100%	127	127	100%	None
PET VENTURES INC, NORTH HOLLYWOOD, CA	10	6	60%	21	16	76%	C Protein (1) AH Fat (3) Moisture (1)
Pet Wants, Cincinnati, OH	2	2	100%	26	26	100%	None
PET-AG INC, HAMPSHIRE, IL	2	2	100%	4	4	100%	None
PETGUARD INC, GREEN COVE SPGS, FL	5	4	80%	62	61	98%	AH Fat (1)
PETKIND, WHITE ROCK, BC	9	1	11%	40	29	73%	C Protein (6) AH Fat (4) Ash (1)
PETMATE DENVER, ARLINGTON, TX	1	1	100%	1	1	100%	None
PETMATRIX LLC, SADDLE BROOK, NJ	6	6	100%	12	12	100%	None
PETROPICS LLC, CARLSBORG, WA	3	2	67%	32	31	97%	C Protein (1)
PETS GLOBAL INC, GARDENA, CA	2	1	50%	25	24	96%	Ca (1)
PETS OF AMERICA WHOLESALE SPLY, WILLIAMSTON, NC	2	2	100%	26	26	100%	None
PETS PREFER, MENOMINIE, WI	3	0	0%	8	5	63%	C Protein (2) AH Fat (1)
PHILLIPS AGRI, CAMPBELLSVILLE, KY	1	0	0%	5	3	60%	C Protein (1) Ca (1)

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	Total	No. Passed	% Passed	Total	No. Passed	% Passed	
PMI NUTRITION INTL INC, BRENTWOOD, MO	5	5	100%	47	47	100%	None
PMI NUTRITIONAL INTL INC, ST LOUIS, MO	3	2	67%	22	20	91%	Fat (1) Na (1)
PRAIRIE DOG TREATS, GRAND PRAIRIE, TX	1	0	0%	1	0	0%	C Protein (1)
PRECISE PET PRODUCTS, NACOGDOCHES, TX	6	5	83%	75	73	97%	Ca (1) P (1)
PREMIER COOPERATIVE, MT HOREB, WI	1	0	0%	5	4	80%	Fat (1)
PREMIUM NUTRITIONAL PRODUCTS, MISSION, KS	2	1	50%	4	3	75%	AH Fat (1)
PREWITT FARM SUPPLY, INC., WILLIAMSBURG, KY	3	1	33%	15	13	87%	C Protein (2)
PRIMAL PET FOODS INC, SAN FRANCISCO, CA	4	2	50%	11	6	55%	C Protein (2) AH Fat (2) Moisture (1)
PRIORITY PET PRODUCTS, PAWTUCKET, RI	2	2	100%	4	4	100%	None
PROFESSIONAL PET CO, META, MO	3	3	100%	40	40	100%	None
PRO-PET LLC, ST MARYS, OH	5	3	60%	12	10	83%	AH Fat (2)
PROVIMI NORTH AMERICA INC, BROOKVILLE, OH	1	0	0%	1	0	0%	Vit A (1)
PSP Distribution LLC, Seymour, IN	2	2	100%	25	25	100%	None
PUPPY CAKE LLC, EVANS CITY, PA	2	0	0%	4	2	50%	C Protein (1) AH Fat (1)
PURE TREATS INC, VAUDREUIL DORION, QC	5	1	20%	11	6	55%	C Protein (1) AH Fat (4)
PURINA ANIMAL NUTRITION LLC, SHOREVIEW, MN	66	47	71%	491	471	96%	C Protein (4) NPN (1) Fat (1) Salt (1) K (7) Zn (1) Vit A (2) CTC (1) Decox (2)
PURINA MILLS INC, ST. LOUIS, MO	1	1	100%	7	7	100%	None
QUALITY FEED GRAINS INC., HARRISON, AR	1	1	100%	5	5	100%	None
QUALITY FEED INC, DOUSMAN, WI	1	1	100%	5	5	100%	None
RACK STACKER PRODUCTS, ROSLIN, ON	2	2	100%	6	6	100%	None
RADAGAST PET FOOD INC, PORTLAND, OR	2	1	50%	25	24	96%	AH Fat (1)
RED A FEEDS, MANKATO, MN	12	12	100%	58	58	100%	None
REDBARN PET PRODUCTS LLC, GREAT BEND, KS	8	6	75%	103	101	98%	C Protein (1) Ca (1)
RENAISSANCE NUTRITION INC, ROARING SPRING, PA	3	2	67%	23	20	87%	C Protein (1) Se (1) Monensin (1)
REPASHY VENTURES INC, LA JOLLA, CA	4	3	75%	11	10	91%	Vit A (1)
RESOLVE SUSTAINABLE SOLUTIONS, FORT DODGE, IA	3	1	33%	14	12	86%	AH Fat (2)
RIDLEY BLOCK OPERATIONS, MANKATO, MN	31	16	52%	310	284	92%	C Protein (6) NPN (1) Fat (1) AH Fat (1) Ca (2) P (1) Salt (1) Co (1) Mn (1) Se (5) Zn (1) Vit A (5)
RIDLEY SPECIALTY PRODUCTS, MANKATO, MN	1	0	0%	8	6	75%	Ca (1) Co (1)

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RIP'S FARM CENTER, INC., TOLLESBORO, KY	34	23	68%	151	133	88%	C Protein (5) Fat (1) Ca (3) P (2) Salt (2) CTC (1) Decox (2) Lasalocid (1) Monensin (1)
ROCKO'S REWARDS, LOUISVILLE, KY	1	0	0%	2	1	50%	C Protein (1)
ROLF C HAGEN (USA) CORP, MANSFIELD, MA	2	2	100%	4	4	100%	None
ROSE ACRE FARMS INC, SEYMOUR, IN	3	2	67%	6	5	83%	C Fiber (1)
ROYAL CANIN USA INC, ST CHARLES, MO	12	12	100%	147	147	100%	None
RUDY GREEN INC, LOUISVILLE, KY	2	0	0%	5	2	40%	C Protein (2) AH Fat (1)
RUDY'S FARM CENTER, KEVIL, KY	5	4	80%	32	30	94%	Salt (1) Cu (1)
RURAL KING SUPPLY - MATTOON, MATTOON, IL	10	7	70%	114	111	97%	C Protein (1) Ca (1) Vit A (1)
RUSH DIRECT INC, WOOD DALE, IL	7	7	100%	12	12	100%	None
RUSSELL CO. FARM STORE, RUSSELL SPRINGS, KY	5	5	100%	21	21	100%	None
RY'S RUFFERY, NORWALK, CT	6	3	50%	10	7	70%	AH Fat (3)
S S COOP INC - FEED DIV, WINCHESTER, KY	1	0	0%	6	5	83%	Lasalocid (1)
SALIX LLC, DEERFIELD BEACH, FL	4	4	100%	6	6	100%	None
SAMS WEST INC, BENTONVILLE, AR	5	5	100%	68	68	100%	None
SAN FRANCISCO BAY BRAND INC, NEWARK, CA	1	0	0%	2	1	50%	C Protein (1)
SAVE-A-LOT LTD, EARTH CITY, MO	7	5	71%	61	57	93%	AH Fat (2) Ca (1) P (1)
SAVORY PRIME, VENTURA, CA	1	1	100%	2	2	100%	None
SHELL & KAMPETER INC, META, MO	1	1	100%	12	12	100%	None
SCIENCE HILL MILLING COMPANY, INC., SCIENCE HILL, KY	9	6	67%	51	47	92%	C Protein (2) P (1) Mg (1)
SCOTT PET PRODUCTS, ROCKVILLE, IN	4	3	75%	7	6	86%	AH Fat (1)
SEACHEM LABORATORIES INC, MADISON, GA	1	1	100%	3	3	100%	None
SEEDS, INC., MEMPHIS, TN	2	2	100%	25	25	100%	None
SEVENTY FEEDS LLC, EUBANK, KY	3	2	67%	13	11	85%	C Protein (1) K (1)
Shawnee Milling Company, Shawnee, OK	1	0	0%	13	11	85%	AH Fat (1) Ca:P (1)
SHOPKO STORES OPERATING CO LLC, GREEN BAY, WI	3	3	100%	37	37	100%	None
SHUCKS FENCE CO, INC., SHELBYVILLE, KY	1	0	0%	6	5	83%	C Protein (1)
SIEMER MILLING COMPANY - HOPKINSVILLE, HOPKINSVILLE, KY	2	2	100%	8	8	100%	None
SIEMER MILLING COMPANY - W HARRISON, WEST HARRISON, IN	1	1	100%	3	3	100%	None
SIMMONS PET FOOD INC, PENNSAUKEN, NJ	4	4	100%	51	51	100%	None
SIMPLY NOURISH PET FOOD CO, PHOENIX, AZ	9	6	67%	80	75	94%	C Protein (1) AH Fat (3) P (1)
SLIGO FEED MILL, PENDLETON, KY	2	2	100%	14	14	100%	None
SMOKEHOUSE PET PRODUCTS, SUN VALLEY, CA	3	3	100%	5	5	100%	None
SOJOS INC, MINNEAPOLIS, MN	7	4	57%	56	53	95%	C Protein (2) AH Fat (1)
SOLID GOLD PET LLC, GREENVILLE, SC	13	8	62%	140	134	96%	C Protein (1) AH Fat (5)

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SOULISTIC, NATICK, MA	6	5	83%	69	68	99%	Na (1)
SOURCE INC, N BRANFORD, CT	1	1	100%	6	6	100%	None
SOUTHEASTERN WHOLESALERS, BARBOURVILLE, KY	1	1	100%	4	4	100%	None
SOUTHERN STATE COOP INC., RICHMOND, VA	118	92	78%	915	888	97%	C Protein (13) Fat (1) Fe (1) Se (4) Na (2) S (5) Lasalocid (1)
SOUTHERN STATES- BOWLING GREEN, BOWLING GREEN, KY	3	1	33%	15	13	87%	C Protein (2)
SOUTHERN STATES- DANVILLE, DANVILLE, KY	8	6	75%	17	14	82%	C Protein (1) Fat (1) C Fiber (1)
SOUTHERN STATES- FLEMINGSBURG, FLEMINGSBURG, KY	8	7	88%	26	25	96%	C Protein (1)
SOUTHERN STATES- FRANKLIN, FRANKLIN, KY	1	0	0%	5	3	60%	C Protein (1) P (1)
SOUTHERN STATES- HOPKINSVILLE, HOPKINSVILLE, KY	2	2	100%	11	11	100%	None
SOUTHERN STATES- LIBERTY, LIBERTY, KY	1	1	100%	6	6	100%	None
SOUTHERN STATES- LONDON, LONDON, KY	5	2	40%	25	22	88%	C Protein (1) Ca (2)
SOUTHERN STATES- OWINGSVILLE, OWINGSVILLE, KY	2	2	100%	8	8	100%	None
SOUTHERN STATES- RICHMOND VA, RICHMOND, VA	1	1	100%	9	9	100%	None
SOUTHERN STATES- SOMERSET, SOMERSET, KY	3	3	100%	14	14	100%	None
SPECIALTY FEEDS INC, MEMPHIS, TN	7	7	100%	69	69	100%	None
SPECIALTY PRODUCTS RESOURCES INC, WALTHAM, MA	6	5	83%	11	10	91%	C Protein (1)
STANDLEE HAY CO INC, EDEN, ID	2	1	50%	5	4	80%	C Protein (1)
STAR MARK PET PRODUCTS INC, HUTTO, TX	3	1	33%	4	2	50%	C Protein (2)
STELLA & CHEWY'S LLC, OAK CREEK, WI	5	2	40%	60	52	87%	C Protein (2) AH Fat (3) P (1) Moisture (1) Ca:P (1)
STEWART'S FARM SUPPLY, BROOKSVILLE, KY	8	4	50%	41	37	90%	C Protein (3) Ca (1)
SUNSHINE MILLS INC, RED BAY, AL	26	23	88%	161	158	98%	C Protein (1) Zn (2)
SUPERIOR AG, HUNTINGBURG, IN	1	0	0%	10	8	80%	Se (1) Vit A (1)
SUPERIOR FARMS PET PROVISIONS, DIXON, CA	1	1	100%	2	2	100%	None
SUPREME PETFOODS LTD, FERNDALE, WA	1	0	0%	4	3	75%	Vit A (1)
SWEET MEADOW FARM, SHERBORN, MA	1	1	100%	5	5	100%	None
T & H FEED SERVICE, INC., LEBANON, KY	4	2	50%	23	21	91%	C Protein (2)
TARGET CORPORATION, MINNEAPOLIS, MN	3	1	33%	31	29	94%	Ca (1) Cu (1)
TASTE OF THE WILD, META, MO	6	6	100%	79	79	100%	None
TATE & LYLE INGREDIENTS AMERICAS, DECATUR, IL	2	2	100%	4	4	100%	None
TDL INDUSTRIES INC, FA,;PM, NV	1	1	100%	6	6	100%	None
TEDS FEED STORE, MIDDLESBORO, KY	1	1	100%	6	6	100%	None
TEJAS PET PRODUCTS, LINCOLN, NE	1	0	0%	2	1	50%	AH Fat (1)
TENDER & TRUE PET NUTRITION, OMAHA, NE	8	2	25%	97	90	93%	C Protein (6) AH Fat (1)
TENNESSEE FARMERS COOP - LAVERGNE, LAVERGNE, TN	13	11	85%	95	93	98%	C Protein (1) S (1)
THE ANDERSONS INC, MAUMEE, OH	1	1	100%	2	2	100%	None
THE CRUMP GROUP INC, BRAMPTON, ON	4	2	50%	8	6	75%	C Protein (2)

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THE GRAZING GOURMET CO, Summerfield, NC	1	0	0%	3	1	33%	Ash (1) Moisture (1)
THE HONEST KITCHEN INC, SAN DIEGO, CA	1	0	0%	13	12	92%	Na (1)
THE HYLAND CO INC, ASHLAND, KY	25	18	72%	299	292	98%	C Protein (3) AH Fat (2) Ca (1) P (1)
THE LAZY DOG COOKIE CO INC, BALLSTON SPA, NY	2	1	50%	4	3	75%	AH Fat (1)
THE NUTRO COMPANY, FRANKLIN, TN	27	26	96%	249	248	100%	Ca:P (1)
THE REAL MEAT COMPANY, MONTROSE, CA	2	0	0%	5	3	60%	AH Fat (2)
THORVIN INC, NEW CASTLE, VA	1	0	0%	9	6	67%	Salt (1) Co (1) Cu (1)
THREE DOG BAKERY LLC, KANSAS CITY, MO	7	6	86%	57	56	98%	AH Fat (1)
THUNDERWORKS, DURHAM, NC	1	1	100%	2	2	100%	None
Tink's Hunting Products LLC , Covington, GA	1	1	100%	6	6	100%	None
TIZWHIZ SALES LTD, SPRINGFIELD, OH	3	2	67%	29	28	97%	C Protein (1)
TOMLYN PRODUCTS, FORT WORTH, TX	2	1	50%	18	15	83%	AH Fat (1) Mn (1) K (1)
TOPCO ASSOCIATES, ELK GROVE VILLAGE, IL	11	11	100%	95	95	100%	None
TRACTOR SUPPLY COMPANY - BRENTWOOD, BRENTWOOD, TN	36	28	78%	316	305	97%	AH Fat (2) Ca (3) P (2) K (4)
TRADER JOE'S, MONSEY, NY	10	9	90%	100	99	99%	AH Fat (1)
TREAT PLANET, MARYLAND HEIGHTS, MO	1	0	0%	2	1	50%	AH Fat (1)
TREATS FOR CHICKENS, COTATI, CA	3	1	33%	16	14	88%	Ca (2)
TRI-COUNTY FERTILIZER CO., INC., RICHMOND, KY	3	3	100%	14	14	100%	None
TRIPLE CROWN NUTRITION INC, WAYZATA, MN	1	1	100%	11	11	100%	None
TROPICLEAN, WENTZVILLE, MO	1	0	0%	2	1	50%	AH Fat (1)
TRURX LLC, EAGLE, ID	2	1	50%	3	2	67%	C Protein (1)
TUFFYS PET FOODS INC, PERHAM, MN	6	4	67%	76	73	96%	Ca (1) P (1) Cu (1)
TWO PERCENT LLC, FREDERICK, MD	2	1	50%	4	3	75%	C Protein (1)
TYSON PET PRODUCTS, INDEPENDENCE, IA	18	11	61%	37	30	81%	AH Fat (7)
UCKELE HEALTH & NUTRITION, BLISSFIELD, MI	2	2	100%	11	11	100%	None
UNCLE JIMMYS BRAND PRODUCT LLC, NEW CASTLE, PA	1	1	100%	5	5	100%	None
UNITED LIVESTOCK COMMODITIES, MAYFIELD, KY	10	7	70%	85	81	95%	Ca (2) P (1) K (1)
UNITED PET GROUP INC, BLACKSBURG, VA	4	3	75%	7	6	86%	P (1)
VALERO MARKETING & SUPPLY CO, SAN ANTONIO, TX	14	4	29%	48	37	77%	C Protein (1) Fat (9) S (1)
VALLEY FARM CENTER, INC., MONTICELLO, KY	1	0	0%	7	1	14%	C Protein (1) Ca (1) P (1) Salt (1) Se (1) Zn (1)
VAPCO INC 8/14, LAWRENCE, MA	1	0	0%	6	5	83%	C Protein (1)
VARIETY PET FOODS, ENGLEWOOD, CO	5	5	100%	54	54	100%	None
VETS CHOICE, DEER PARK, NY	5	2	40%	53	46	87%	C Protein (2) AH Fat (2) Ca (1) P (1) Ca:P (1)

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	Total	No. Passed	% Passed	Total	No. Passed	% Passed	
VETS PLUS INC, MEMONOMIE, WI	3	2	67%	7	6	86%	AH Fat (1)
VETSCIENCE LLC, DALLAS, TX	5	4	80%	10	9	90%	AH Fat (1)
VIRBAC AH INC, FORT WORTH, TX	2	2	100%	11	11	100%	None
WAGGIN TRAIN LLC, ST LOUIS, MO	1	1	100%	12	12	100%	None
WAGNER'S LLC, JERICHO, NY	1	1	100%	3	3	100%	None
WALGREEN CO, DEERFIELD, IL	2	2	100%	15	15	100%	None
WAL-MART STORES INC, BENTONVILLE, AR	35	30	86%	334	328	98%	C Protein (1) AH Fat (1) Ca (2) P (2)
Ware Milling, Houston, MS	6	6	100%	25	25	100%	None
WATSON CATTLE NUTRITION, BOWLING GREEN, KY	1	1	100%	9	9	100%	None
WELL PET LLC, TEWKSBURY, MA	18	13	72%	186	180	97%	AH Fat (3) Ca (1) P (2)
WERUVA INTERNATIONAL INC, NATICK, MA	11	10	91%	122	121	99%	AH Fat (1)
WESTWAY FEED PRODUCTS LLC, TOMBALL, TX	1	1	100%	1	1	100%	None
WET NOSES NATURAL DOG TREAT CO, MONROE, WA	1	1	100%	2	2	100%	None
WHOLE FOODS MARKET, AUSTIN, TX	9	7	78%	102	100	98%	AH Fat (1) Ca (1)
WILD CALLING! PET FOOD, GREELEY, CO	12	5	42%	150	131	87%	AH Fat (3) Ca (6) P (6) Mn (1) Ca:P (3)
WILLARD MILLING, INC, WILLARD, KY	22	18	82%	183	178	97%	C Protein (1) Ca (1) Cu (1) Zn (1) Ca:P (1)
WILLIAMS FARM, GERMANTOWN, KY	1	1	100%	1	1	100%	None
WILLIE BAKERY, CLINTON, TN	3	1	33%	5	3	60%	C Protein (1) Fat (1)
WINCHESTER FEED COMPANY, INC., WINCHESTER, KY	9	8	89%	60	59	98%	K (1)
Winding Way Farm, LLC, Union, KY	1	0	0%	4	3	75%	C Fiber (1)
WK DEER PRODUCTS LLC, MAYFIELD, KY	1	1	100%	5	5	100%	None
WOODFORD FEED COMPANY, INC., VERSAILLES, KY	3	3	100%	21	21	100%	None
WRIGLEY'S 7-711, INC., WEST LIBERTY, KY	6	5	83%	32	30	94%	C Protein (1) Cu (1)
WYSONG CORPORATION, MIDLAND, MI	1	1	100%	12	12	100%	None
XTREME AQUATIC FOODS, PRINCETON, FL	2	2	100%	3	3	100%	None
YODER'S FEED & SUPPLY, RUSSELLVILLE, KY	15	7	47%	89	79	89%	C Protein (5) Ca (3) P (1) Salt (1)
YUPPIE PUPPY PET PRODUCTS, NEW YORK, NY	1	1	100%	2	2	100%	None
ZIWIPEAK LTD, CARMEL, CA	2	0	0%	26	21	81%	AH Fat (2) Ca (1) P (1) Ca:P (1)
ZOO MED LABORATORIES, INC., SAN LUIS OBISPO, CA	9	7	78%	26	24	92%	C Protein (1) Na (1)
ZUKES, DURANGO, CO	7	4	57%	14	11	79%	C Protein (2) AH Fat (1)
Totals	3191	2274	71%	20,988	19,703	94%	

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