


Regulatory Bulletin 328

2015 COMMERCIAL FEEDS IN KENTUCKY



REGULATORY SERVICES

UK
UNIVERSITY OF
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College of Agriculture,
Food and Environment

Agricultural Experiment Station

Regulatory Services on the Web:
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Division of Regulatory Services
Kentucky Agricultural Experiment Station

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Rick Bennett, Director, Kentucky Agricultural Experiment Station
Darrell D. Johnson, Executive Director Regulatory Services
G. Alan Harrison, Director Feed/Milk
Kristen Green, Feed Registration Specialist
Robert Counts, Auditor

Inspection Staff

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Brad Johnston	Nathan Keith	David Mason
Warren Pinkston		W. Bart Young

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Sharon Webb, Director of Quality Control
Solomon Kariuki, Assistant Manager of Labs

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Jennifer Combs	Garland McKee	Lancao Zhang

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Kellye Gaither, Senior Systems Analyst Programmer
Shannon Shields, Project Specialist I
Stephany Chandler, Data Entry
Annie Simmons, Data Entry
Margaret Thomas, Data Entry
Charlene Vest, Data Entry
Kay Phillips, Staff Associate

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 & 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 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 conducted 79 inspections of feed dealers and manufacturers in 2015. 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 2015 were 28 more intensive inspections for good manufacturing practices at Kentucky mills producing medicated feed. There are approximately 160 feed manufacturing facilities located in Kentucky that serve the animal feed and pet food industries.

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 take 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.

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 regards 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 1200 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.

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 2015, the feed program collected a total of \$1,264,131 in inspection fees, registration fees and late payment penalties.

Table 1. Number of feed ingredient samples in 2015.

Type	Official Samples with Guarantees	Other Samples	Total
Alfalfa Products	4	0	4
Animal Products	14	0	14
Brewery Products	0	0	0
Corn Products	83	49	132
Cottonseed Products	5	0	5
Distillers Products	56	7	63
Soybean Products	97	35	132
Wheat Products	13	5	18
Other Grains	21	1	22
Minerals	12	0	12
Vitamins	1	2	3
Urea & Other NPN	0	0	0
Other	18	14	32
AAFCO samples	0	48	48
Total	324	161	485

Table 2. Number of commercial feed samples in 2015.

Species/Type	Official Samples with Guarantees	Other Samples	Total
Poultry Feed	231	4	235
Beef Feed	415	9	424
Dairy Feed	67	2	69
Swine Feed	116	3	119
Sheep Feed	23	0	23
Goat Feed	34	2	36
Equine Feed	219	10	229
Rabbit Feed	25	0	25
Fish Feed	8	0	8
Deer Products	32	0	32
Milk Replacer	14	0	14
Mineral/Vitamin/Other	197	2	199
Wild Bird Food	26	0	26
Total	1,407	32	1,439

Table 3. Number of pet and specialty feed samples in 2015.

Type	Official Samples with Guarantees	Other Samples	Total
Dog Food	476	11	487
Cat Food	266	2	268
Dog & Cat Treats	468	6	474
Speciality Pet & Pet Other	115	1	116
Total	1,325	20	1,345

Table 4. Number of feed analyses reported in 2015.

		Official Samples with Guarantees	Other Samples	Total
Proximate	Crude Protein	2808	174	2982
	NPN Equiv Protein	49	1	50
	Crude Fat, min	425	86	511
	AH Fat	948	26	974
	Crude Fiber, max	779	69	848
	Acid Detergent Fiber	6	4	10
	Ash	18	10	28
	Moisture	506	85	591
Minerals	Aluminum	1	1	2
	Arsenic	1	5	6
	Cadmium	0	5	5
	Calcium, min	2070	111	2181
	Ca:P Ratio	374	1	375
	Cobalt	122	7	129
	Copper	1206	361	1567
	Chromium	1	5	6
	Iron	705	524	1229
	Lead	0	5	5
	Magnesium	927	435	1362
	Manganese	877	453	1330
	Molybdenum	1	1	2
	Phosphorus, min	2040	121	2161
	Potassium	1231	330	1561
	Salt, min	966	23	989
	Selenium	486	59	545
Sodium	735	504	1239	
Sulfur	22	35	57	
Zinc	1301	332	1633	
Vitamins	Vitamin A	325	5	330
Drugs	Amprolium	13	1	14
	Bacitracin	5	6	11
	Carbadox	1	0	1
	Chlortetracycline	98	4	102
	Decoquinat	14	2	16
	Lasalocid	49	9	58
	Melengestrol Acetate	0	1	1
	Monensin, sodium	97	7	104
	Oxytetracycline	13	1	14
	Tylosin	4	5	9
Mycotoxins	Aflatoxin	0	45	45
	Fumonisin	0	25	25
	Ochratoxin	0	3	3
	T-2-Toxin	0	3	3
	Vomitoxin	0	17	17
	Zearalenone	0	10	10
Other	L. Acidophilus Bacteria	1	0	1
	Lactic Acid Bacteria	5	0	5
	Yeast Count	0	0	0
	Microscopy	0	19	19
	Weight, net	334	0	334
Totals		19,564	3,936	23,500

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

In December of 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 and the goal is address 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 of 2015 and all regulations will take effect on January 1, 2017.

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), decoquinatate, 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.

Table 5. Reported tons of ingredients distributed.

Ingredient	Exempt	Non-Exempt
	2015	2015
Alfalfa Products	1,371	6,339
Animal Products	26,960	15,234
Brewery Products	1,677	1,626
Corn Products	93,649	140,108
Cottonseed Products	67	6,638
Distillers Products	130,836	185,713
Soybean Products	171,865	587,672
Wheat Products	64,759	20,525
Other Grains/Oilseeds	6,221	8,773
Minerals	47,535	74,889
Vitamins	11	2,429
Urea & Other NPN	8,208	754
Other	30,527	101,851
Distillers wet grains	0	198,942
Brewers wet grains	0	19,876
Liquid whey	0	4,183
Total	583,685	1,375,552

Table 6. Reported tons of commercial feeds distributed.

Type	2015
Poultry Feed	58,763
Beef Feed	321,636
Dairy Feed	169,999
Swine Feed	29,952
Sheep Feed	4,571
Goat Feed	3,645
Horse Feed	96,512
Rabbit Feed	4,389
Fish Feed	1,591
Deer Products	1,694
Milk Replacer	2,381
Mineral/Vitamin/Other	61,638
Wild Bird Food	10,862
Pet Food	213,181
Total	980,812

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%			

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 1-4, 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 2015 obtained by field inspectors of feed ingredients, commercial feeds, and pet/specialty foods. In 2015, pet and specialty foods constituted over 43% 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 213 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 2015.

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 in Table 7 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 in Table 7 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.

In September of 2015, we adjusted our current tolerances for complete cat and dog foods. The implementation of a new lab software system allowed for tolerances of each product analyte to be based on label moisture guarantees. Current AAFCO AV’s were then applied to the profile ranges. This approach allows for a more equitable evaluation of the mineral content of cat and dog foods. Though the changes in mineral tolerances coincided with software implementation, we did not issue violations based on these new tolerances in 2015. Beginning January 1, 2016, new tolerances and enforcement will take effect.

Sample Violation Report

The sample violation report for 2015 includes 3056 official samples from 526 different manufacturers or guarantors. Overall, 75% of samples passed (no violations on any analytes) while 95% 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—2015

Business Name	Samples			Tests			Sample Violations
	Total	No. Passed	% Passed	Total	No. Passed	% Passed	
3 BUSY DOGS	1	1	100%	1	1	100%	None
AC NUTRITION, WINTERS, TX	1	1	100%	7	7	100%	None
ADAIRVILLE FEED MILL, ADAIRVILLE, KY	11	10	91%	46	45	98%	C Protein (1)
ADAIRVILLE FEED MILL #2, ADAIRVILLE, KY	7	5	71%	38	35	92%	C Protein (2) Ca (1)
ADM ALLIANCE NUTRITION INC, QUINCY, IL	26	23	88%	193	189	98%	K (1) Se (1) Vit A (1) Tylosin (1)
ADM CORN PROCESSING, DECATUR, IL	5	5	100%	13	13	100%	None
ADM MILLING/MT VERNON, OVERLAND PARK, KS	1	1	100%	2	2	100%	None
AGAINST THE GRAIN, WHEELING, IL	1	0	0%	12	8	67%	Ca (1) P (1) K (1) Na (1)
AGWAY FEED & NUTRITION, MINNEAPOLIS, MN	1	0	0%	9	7	78%	Cu (1) Se (1)
AHC PRODUCTS INC, WINCHESTER, KY	1	0	0%	3	2	67%	Mg (1)
AINSWORTH PET NUTRITION, MEADVILLE, PA	7	7	100%	73	73	100%	None
ALDI INC, BATAVIA, IL	14	13	93%	106	105	99%	AH Fat (1)
ALFA-PET INC., ST LOUIS, MO	1	1	100%	3	3	100%	None
ALLEN COUNTY FARMERS SERVICE, INC., SCOTTSVILLE, KY	3	1	33%	11	9	82%	C Protein (1) K (1)
ALLTECH INC, NICHOLASVILLE, KY	2	2	100%	2	2	100%	None
ALPHARMA LLC, MADISON, NJ	1	1	100%	1	1	100%	None
AMERICAN TUNA INC, BONITA, CA	1	1	100%	12	12	100%	None
ANTLER KING TROPHY PRODUCTS, INC., BLACK RIVER FALLS, WI	4	1	25%	19	16	84%	C Protein (2) Fe (1)
AQUADINE NUTRITIONAL SYS, HEALDSBURG, CA	1	1	100%	1	1	100%	None
ARCHER DANIEL MIDLAND CO, DECATUR, IL	5	4	80%	20	19	95%	Fat (1)
ARCTIC PAWS, ANCHORAGE, AK	3	3	100%	8	8	100%	None
ARNOLD FEED & SEED, CAMPBELLSVILLE, KY	1	1	100%	7	7	100%	None
ARTHUR DOGSWELL LLC, LOS ANGELES, CA	2	1	50%	15	14	93%	AH Fat (1)
ARTHUR PET PRODUCTS, SALISBURY, MD	7	4	57%	18	14	78%	C Protein (1) AH Fat (3)
ASHLAND MILLING COMPANY, INC., ASHLAND, KY	5	4	80%	21	20	95%	Salt (1)
ASSOC WHOLE GROC, KANSAS CITY, KS	9	9	100%	96	96	100%	None
AUTHORITY PET FOOD CO, PHOENIX, AZ	12	12	100%	112	112	100%	None
BAGDAD ROLLER MILLS, INC., BAGDAD, KY	21	17	81%	127	123	97%	C Protein (1) Cu (1) Se (1) Monensin (1)
BAKERY FEEDS INC, COLD SPRINGS, KY	2	2	100%	5	5	100%	None
BARDSTOWN MILLS, INC., BARDSTOWN, KY	13	7	54%	67	60	90%	C Protein (6) Cu (1)
BARTON BRANDS, LTD., BARDSTOWN, KY	4	1	25%	13	10	77%	C Protein (2) C Fiber (1)
BAYER HEALTHCARE LLC, SHAWNEE MISSION, KS	1	1	100%	2	2	100%	None
BCCH LLC, MAUMELLE, AR	2	2	100%	5	5	100%	None
BEAR BONE LLC, LEXINGTON, KY	1	1	100%	3	3	100%	None
BEARS BONE BAKERY, EVANSVILLE, IN	2	2	100%	5	5	100%	None
BEGGAR DOG BISCUITS, OGDEN, UT	2	2	100%	3	3	100%	None
BELL ROCK GROWER INC, SAN MARCOS, CA	3	3	100%	7	7	100%	None
BENCH & FIELD PET FOODS LLC, MISKAWAKA, IN	3	2	67%	27	26	96%	AH Fat (1)
BEST FRIENDS FOODS, NATICK, MA	4	4	100%	44	44	100%	None
BETSY FARMS, EAGLE, ID	1	1	100%	2	2	100%	None

Report of Official Feed Samples Analyzed—2015

Business Name	Samples			Tests			Sample Violations
	Total	No. Passed	% Passed	Total	No. Passed	% Passed	
BIG & J INDUSTRIES INC, GRAND ISLAND, NE	10	6	60%	67	58	87%	Fat (1) Ca (3) P (2) Salt (1) Co (1) Na (1)
BIG BARN FARM STORE, GARRISON, KY	6	5	83%	25	23	92%	Ca (1) Salt (1)
BIG CREEK FOODS LLC, GAINESVILLE, GA	1	0	0%	2	1	50%	AH Fat (1)
BIG GAME INTERNATIONAL, MCDONOUGH, GA	2	0	0%	5	2	40%	Fat (1) Salt (1) Na (1)
BIG HEART PET BRANDS/DEL MONTE, PITTSBURGH, PA	12	12	100%	121	121	100%	None
BIG LOTS - COLUMBUS, COLUMBUS, OH	5	4	80%	32	31	97%	Zn (1)
BIL JAC FOODS INC, MEDINA, OH	1	1	100%	3	3	100%	None
BIONICHE ANIMAL HEALTH USA INC, ATHENS, GA	1	1	100%	2	2	100%	None
BIOZYME INCORPORATED, ST JOSEPH, MO	3	3	100%	24	24	100%	None
BIRDSONG PEANUTS, BLAKELY, GA	1	0	0%	3	2	67%	Moisture (1)
BIXBI PET, BOULDER, CO	2	1	50%	4	3	75%	C Protein (1)
BLACK GOLD PET FOODS INC, VIENNA, MO	3	2	67%	38	37	97%	Mg (1)
BLACKWOOD PET FOOD LLC, LISBON, OH	2	0	0%	23	20	87%	C Protein (1) AH Fat (1) Ca (1)
BLUE BUFFALO CO LTD, WILTON, CT	16	15	94%	156	155	99%	AH Fat (1)
BLUE RIDGE NATURALS, MURPHY, NC	4	3	75%	8	7	88%	AH Fat (1)
BLUEBONNET FEEDS, ARDMORE, OK	1	0	0%	7	6	86%	Cu (1)
BLUEGRASS AG DISTRIBUTORS, INC., LANCASTER, KY	10	9	90%	37	36	97%	C Protein (1)
BLUEGRASS FARM SUPPLY, MARION, KY	28	18	64%	158	148	94%	C Protein (3) K (1) Zn (6)
BLUEGRASS FEED & SUPPLY LLC, HUSTONVILLE, KY	1	1	100%	5	5	100%	None
BLUEGRASS SEED & FERTILIZER, INC., BARDSTOWN, KY	3	2	67%	11	10	91%	C Protein (1)
BLUESTAR MINERALS, LAWRENCEBURG, KY	1	1	100%	11	11	100%	None
BOBS FEED & FERTILIZER, CROSSVILLE, TN	1	1	100%	5	5	100%	None
BOWLIN FEED INC, ALBANY, KY	5	1	20%	40	33	83%	P (1) Salt (1) Cu (1) Mg (2) K (1) CTC (1)
BOWLING FEED & HARDWARE, INC., CATLETTSBURG, KY	1	0	0%	6	5	83%	Cu (1)
BRAVO RAW DIET, MANCHESTER, CT	1	1	100%	3	3	100%	None
BREEDERS CHOICE PET FOODS INC, IRVINDALE, CA	5	4	80%	54	53	98%	AH Fat (1)
BRODHEAD FARM MART, BRODHEAD, KY	6	2	33%	42	38	90%	C Protein (1) Salt (2) Fe (1)
BROOKSVILLE FARM SUPPLY, BROOKSVILLE, KY	7	4	57%	42	36	86%	Ca (3) P (1) Cu (1) Zn (1)
BROWN & FORMAN DISTILLERY, LOUISVILLE, KY	2	2	100%	6	6	100%	None
BRUTE BUILDER, FLEMINGSBURG, KY	1	1	100%	12	12	100%	None
BUCKEYE NUTRITION	1	1	100%	6	6	100%	None
BUDDY'S KITCHEN, AURORA, ON	3	1	33%	9	5	56%	C Protein (2) AH Fat (2)
BUFFALO TRACE DISTILLERY INC, FRANKFORT, KY	4	2	50%	12	10	83%	C Protein (2)
BUNGE MILLING, DANVILLE, IL	1	1	100%	3	3	100%	None

Report of Official Feed Samples Analyzed—2015

Business Name	Samples			Tests			Sample Violations
	Total	No. Passed	% Passed	Total	No. Passed	% Passed	
BUNGE NA (EAST) LLC, MORRISTOWN, IN	8	8	100%	18	18	100%	None
BURKMANN FEEDS, LONDON, KY	7	4	57%	34	30	88%	Ca (2) Cu (1) Zn (1)
BURKMANN FEEDS, BOWLING GREEN, KY	18	12	67%	54	46	85%	C Protein (5) Fat (1) AH Fat (1) Ca (1)
BURKMANN FEEDS, GLASGOW, KY	57	39	68%	225	200	89%	C Protein (7) Fat (1) C Fiber (1) Ca (3) P (1) Salt (4) Se (4) Lasalocid (1) Monensin (3)
BURKMANN FEEDS, DANVILLE, KY	76	58	76%	557	529	95%	C Protein (5) Ca (1) P (1) Cu (1) Fe (1) Mg (2) K (7) Se (5) S (1) Vit A (2) Decoquinatate (1) Monensin (1)
BURKMANN FEEDS - HARDINSBURG, HARNED, KY	10	5	50%	60	53	88%	C Protein (1) Salt (2) Cu (1) Se (3)
BURKMANN FEEDS OF EDMONTON, EDMONTON, KY	3	3	100%	23	23	100%	None
BUSCH AGRICULTURAL RESOURCES, JONESBORO, AR	3	2	67%	9	8	89%	Fat (1)
C & C DEER SAUCE UNLIMITED LLC, PHOENIX, MD	1	0	0%	4	2	50%	Ca (1) P (1)
C & S PRODUCTS CO INC, FORT DODGE, IA	1	0	0%	2	1	50%	AH Fat (1)
C3 FEED & FARM LLC, BOWLING GREEN, KY	7	6	86%	36	35	97%	C Protein (1)
CALHOUN FEED SERVICE LLC, MADISONVILLE, KY	3	3	100%	16	16	100%	None
CALHOUNS FARM & PET, MADISONVILLE, KY	2	2	100%	5	5	100%	None
CALLIHAN FEEDS, ARGILLITE, KY	1	0	0%	3	2	67%	C Protein (1)
CAN AM PET TREATS INC, VERNON, BC	9	3	33%	20	13	65%	C Protein (5) AH Fat (2)
CANEYVILLE MILLING COMPANY, CANEYVILLE, KY	56	50	89%	191	185	97%	C Protein (2) Ca (2) Salt (2)
CANIDAE CORPORATION, NORCO, CA	17	9	53%	196	188	96%	C Protein (4) AH Fat (2) Ca (2)
CANINE CAVIAR PET FOODS, NORCO, CA	1	0	0%	3	1	33%	C Protein (1) AH Fat (1)
CARDINAL LABORATORIES INC, AZUSA, CA	9	9	100%	38	38	100%	None
CARGILL ANIMAL NUTRITION, MINNEAPOLIS, MN	20	17	85%	125	121	97%	C Protein (3) Vit A (1)
CARGILL DRY CORN INGREDIENT, MINNEAPOLIS, MN	1	1	100%	2	2	100%	None
CARGILL DRY CORN INGREDIENTS, PARIS, IL	4	4	100%	9	9	100%	None
CARGILL INC - PROCESSING GROUP, LAFAYETTE, IN	1	1	100%	2	2	100%	None

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CARGILL INCORPORATED, MINNEAPOLIS, MN	14	10	71%	43	39	91%	C Protein (2) C Fiber (1) Vit A (1)
CAROLINA PRIME PET, LENOIR, NC	1	0	0%	3	2	67%	C Protein (1)
CASTOR & POLLUX PET WORKS, AMARILLO, TX	9	7	78%	108	106	98%	AH Fat (1) P (1)
CAT-MAN-DOO, BELLEVUE, WA	1	1	100%	1	1	100%	None
CELL RESPONSE FORMULATION LLC, JACKSON, WY	4	4	100%	13	13	100%	None
CENTRAL AQUATIC, FRANKLIN, WI	3	3	100%	5	5	100%	None
CENTRAL FARM SUPPLY OF KY, INC., LOUISVILLE, KY	10	5	50%	60	54	90%	C Protein (4) Ca (1) OTC (1)
CENTRAL FARMERS SUPPLY, INC., GREENSBURG, KY	12	11	92%	43	41	95%	C Protein (1) Fat (1)
CENTRAL GARDEN & PET COMPANY, IRWINDALE, CA	1	1	100%	12	12	100%	None
CHAMPION FREEZE DRY, OAKVILLE, ON	2	1	50%	6	5	83%	AH Fat (1)
CHAMPION PETFOODS LP, EDMONTON, AB	4	4	100%	49	49	100%	None
CHARLEE BEAR FARMS INC, ST FRANCIS, WI	2	2	100%	3	3	100%	None
CHICKEN SOUP/PET LOVER'S SOUL, COS COB, CT	14	10	71%	166	159	96%	C Protein (1) AH Fat (2) Cu (3) Zn (1)
CLARK'S GROCERY FEED & SEED, ROCKHOLDS, KY	1	0	0%	6	5	83%	C Protein (1)
CLEMENTS AG SUPPLY, SPRINGFIELD, KY	4	3	75%	22	21	95%	C Protein (1)
CLOUD STAR, SAN LUIS OBISPO, CA	4	4	100%	9	9	100%	None
COBALT INTERNATIONAL, ROCK HILL, SC	3	2	67%	9	8	89%	P (1)
COMMONWEALTH AGRI-SOLUTIONS, LLC, HOPKINSVILLE, KY	8	7	88%	30	28	93%	Fat (1) C Fiber (1)
CONSOLIDATED GRAIN & BARGE, MT VERNON, IN	11	10	91%	26	25	96%	C Fiber (1)
CONSUMERS SUPPLY DISTRIBUTING, NORTH SIOUX CITY, SD	2	2	100%	15	15	100%	None
CORRECT FOODS INC, CYNTHIANA, KY	1	1	100%	13	13	100%	None
COUNTRY ACRES FEED CO INC, BRENTWOOD, MO	13	12	92%	60	59	98%	C Protein (1)
COUNTRYSIDE ORGANICS, WAYNESBORO, VA	2	0	0%	8	6	75%	Salt (2)
CPC COMMODITIES, LLC, FOUNTAIN RUN, KY	44	32	73%	314	298	95%	C Protein (4) NPN (1) Fat (2) Mn (1) K (2) Se (1) Vit A (1) CTC (1) Decoquinatate (1) Lasalocid (1) Monensin (1)
CSD NUTRITION LLC, NORTH SIOUX CITY, SD	2	2	100%	6	6	100%	None
CULLMAN BLEND MILL, CULLMAN, AL	3	3	100%	6	6	100%	None
CUMBERLAND MILLS, LAVERGNE, TN	1	1	100%	2	2	100%	None
CUSTOM FEED MILL LLC, MORGANFIELD, KY	23	10	43%	166	152	92%	C Protein (2) K (1) Se (11)
D & D COMMODITIES, STEPHEN, MN	3	2	67%	9	8	89%	Fat (1)
D & D INGREDIENT DIST INC, DELPHOS, OH	1	0	0%	1	0	0%	Vit A (1)
DABNEY FEED & SUPPLY, SOMERSET, KY	1	0	0%	8	3	38%	C Protein (1) Ca (1) P (1) Cu (1) Zn (1)
DAD'S PET CARE INC, MEADVILLE, PA	4	4	100%	50	50	100%	None

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DARLING INGREDIENTS INC, COLD SPRING, KY	1	1	100%	2	2	100%	None
DARLING INTERNATIONAL INC, IRVING, TX	10	9	90%	30	29	97%	P (1)
DAY & DAY FEED MILL, COLUMBIA, KY	6	6	100%	28	28	100%	None
DAYBREAK OUTDOORS LLC, DEXTER, KY	1	0	0%	8	7	88%	Cu (1)
DELIGHTABLES, EAGLE, ID	1	1	100%	2	2	100%	None
DESIGNING HEALTH INC, VALENCIA, CA	1	1	100%	2	2	100%	None
DIAMOND PET FOODS CO, META, MO	10	9	90%	123	122	99%	AH Fat (1)
DICK VAN PATTEN'S, BURBANK, CA	12	12	100%	122	122	100%	None
DIGGIN YOUR DOG, RENO, NV	2	2	100%	5	5	100%	None
DINOVITE INC, CRITTENDEN, KY	8	7	88%	29	28	97%	Fat (1)
DOG DAYS TREATS LLC, CANTON, GA	2	0	0%	5	2	40%	C Protein (2) AH Fat (1)
DOG FOR DOG, SANTA MONICA, CA	6	2	33%	16	12	75%	Ca (2) P (1) Cu (1)
DOLGENCORP LLC, GOODLETTSVILLE, TN	9	9	100%	83	83	100%	None
DZA BRANDS LLC, SALISBURY, NC	8	8	100%	83	83	100%	None
EARTH ANIMAL, WESTPORT, CT	1	0	0%	2	1	50%	C Protein (1)
ECOLOGICAL LABORATORIES INC, MALVERNE, NY	1	1	100%	3	3	100%	None
ELIVE LLC, NEW BERLIN, WI	3	3	100%	6	6	100%	None
EMERALD PET PRODUCTS, OAKLAND, CA	4	3	75%	9	8	89%	AH Fat (1)
EST LLC, COVINGTON, GA	1	0	0%	2	0	0%	C Protein (1) Fat (1)
ETTA SAYS LLC, MARYLAND HEIGHTS, MO	7	1	14%	20	13	65%	C Protein (1) Fat (1) AH Fat (5)
EVANGERS DOG & CAT FOOD CO INC, WHEELING, IL	5	2	40%	44	35	80%	AH Fat (3) Ca (3) P (3)
EXCEL EQUINE, LOUISVILLE, KY	13	11	85%	79	77	97%	C Protein (1) Ca (1)
EXCLUSIVELY PET INC, MILWAUKEE, WI	6	5	83%	15	14	93%	AH Fat (1)
EXL MILLING LTD, LLOYDMINSTER, SK	1	0	0%	3	1	33%	Fat (1) C Fiber (1)
EXOTIC NUTRITION, NEWPORT NEWS, VA	2	1	50%	10	9	90%	C Protein (1)
EXTREME HUNTING SOLUTIONS, CENTERVILLE, IA	1	0	0%	11	10	91%	Mg (1)
F M BROWNS SONS INC, SINKING SPRING, PA	7	5	71%	19	17	89%	C Protein (2)
FAIRVIEW QUALITY MILK, CAMPBELLSVILLE, KY	1	1	100%	7	7	100%	None
FAITHWAY FEED CO INC, GUNTERSVILLE, AL	7	2	29%	75	68	91%	Ca (2) P (1) Salt (1) Cu (1) K (1) Vit A (1)
FARMER'S CHOICE FEED MILL, KIRKSEY, KY	1	1	100%	7	7	100%	None
FARMERS FEED MILL, LEXINGTON, KY	17	13	76%	117	113	97%	C Protein (1) Salt (1) Cu (1) Se (1)
FARNAM CO - HORSE PRODUCTS DIVISION, PHOENIX, AZ	1	0	0%	4	3	75%	Vit A (1)
FARNAM CO INC, PHOENIX, AZ	1	0	0%	4	3	75%	Mg (1)
FEED PRODUCTS & SERVICE CO, ST LOUIS, MO	2	2	100%	2	2	100%	None
FEEDERS SUPPLY COMPANY, LOUISVILLE, KY	3	2	67%	9	8	89%	C Protein (1)
FETCH - FOR COOL PETS, NEW YORK, NY	2	0	0%	5	3	60%	C Protein (1) P (1)

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FINISH LINE HORSE PRODUCTS, BENSENVILLE, IL	2	1	50%	19	17	89%	Fe (1) Zn (1)
FIVE STAR FEED SERVICE, HOPKINSVILLE, KY	16	11	69%	115	109	95%	C Protein (2) Vit A (3) Monensin (1)
FLEMING COUNTY FARM SUPPLY, FLEMINGSBURG, KY	5	3	60%	54	47	87%	Ca (1) Co (1) Cu (1) Mn (1) Zn (1) Vit A (1) Monensin (1)
FOPPERS PET TREAT BAKERY, LOGANSPORT, IN	2	2	100%	5	5	100%	None
FORMAX FEEDS, DANVILLE, KY	15	13	87%	89	87	98%	C Protein (1) Se (1)
FRANK HINTON & SON, PLUMMERS LANDING, KY	14	10	71%	77	73	95%	C Protein (2) Cu (1) Se (1)
FREDS INC, MEMPHIS, TN	14	12	86%	126	123	98%	Fat (1) AH Fat (1) Zn (1)
FREEDOM HEALTH LLC, AURORA, OH	1	0	0%	2	1	50%	Fat (1)
FRESH PET, SECAUCUS, NJ	4	4	100%	38	38	100%	None
FROMM FAMILY FOODS LLC, MEQUON, WI	5	4	80%	39	38	97%	AH Fat (1)
G A WINTZER & SON CO, WAPAKONETA, OH	2	2	100%	2	2	100%	None
GARMON CORP, TEMECULA, CA	5	2	40%	39	25	64%	Ca (1) Co (1) Cu (1) Fe (3) Mg (2) Mn (2) K (1) Se (1) Zn (2)
GENERAL NUTRITION COMPANY, PITTSBURGH, PA	5	3	60%	27	25	93%	Cu (1) Fe (1)
GHC MILLING COMPANY, FORDSVILLE, KY	16	10	63%	97	90	93%	C Protein (1) P (1) Salt (2) Se (3)
GIVE A DOGGY A BONE, HAMILTON, OH	2	1	50%	4	3	75%	Fat (1)
GLC DIRECT LLC, PARIS, KY	1	1	100%	3	3	100%	None
GLOBAL HARVEST BIRDSEED, SEATTLE, WA	2	1	50%	4	3	75%	AH Fat (1)
GLO-MARR PRODUCTS INC, LAWRENCEBURG, KY	1	0	0%	9	3	33%	Fat (1) Co (1) Cu (1) Mg (1) Zn (1) Vit A (1)
GOLDEN PEANUT CO LLC, DAWSON, GA	3	3	100%	8	8	100%	None
GOLDENROD FEEDS, LIBERTY, KY	7	6	86%	38	37	97%	Fat (1)
GRAIN PROCESSING CORP - INDIANA, WASHINGTON, IN	6	6	100%	17	17	100%	None
GRANDMA LUCY'S, RANCHO SANTA MARGARITA, CA	2	2	100%	4	4	100%	None
GRANDMA MAE'S COUNTRY NATURALS, NEW YORK, NY	5	4	80%	60	59	98%	AH Fat (1)
GREEN RIVER FEED MILL, INC., MORGANTOWN, KY	13	8	62%	60	48	80%	C Protein (2) Ca (3) P (5) Zn (2)
GREENBRIER INTERNATIONAL, CHESAPEAKE, VA	6	5	83%	59	58	98%	Zn (1)

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GREENLEAF COMMODITIES, DANVILLE, KY	3	2	67%	10	9	90%	C Fiber (1)
GREENPOINT AG, LLC, HARDINSBURG, KY	1	1	100%	5	5	100%	None
GRIFFIN INDUSTRIES INC, UNION CITY, TN	1	0	0%	4	3	75%	Ca (1)
GRIZZLY PET PRODUCTS INC, WOODINVILLE, WA	1	0	0%	3	2	67%	AH Fat (1)
H & G LIMESTONE/EDDYVILLE, ELIZABETHTOWN, IL	1	1	100%	1	1	100%	None
HALO-PURELY FOR PETS, TAMPA, FL	10	9	90%	100	99	99%	P (1)
HANSEN MUELLER CO, SANDUSKY, OH	1	1	100%	1	1	100%	None
HAPPY HEN TREATS, BOERNE, TX	2	0	0%	8	6	75%	C Protein (1) Salt (1)
HAPPY HOWIES INC, DETROIT, MI	3	1	33%	6	4	67%	AH Fat (2)
HART AGSTRONG LLC, TRENTON, KY	2	1	50%	8	7	88%	C Fiber (1)
HARTZ MOUNTAIN CORPORATION, SECAUCUS, NJ	11	10	91%	34	33	97%	Fat (1)
HAYS FEED & SEED LLC, SMITHS GROVE, KY	14	1	7%	103	76	74%	C Protein (6) AD Fiber (2) Ca (5) Salt (2) Cu (3) K (3) Zn (5) Vit A (1)
HBH ENTERPRISES, SPRINGVILLE, UT	1	1	100%	3	3	100%	None
HEALTH PRO NUTRITION, LOS ANGELES, CA	2	1	50%	4	3	75%	AH Fat (1)
HEALTHY PET FOODS INC, WEST CHESTER, PA	1	1	100%	1	1	100%	None
HEARTBREAK RIDGE FARM SUPPLY, LLC, CLAY CITY, KY	1	1	100%	3	3	100%	None
HEATH MANUFACTURING CO, COOPERSVILLE, MI	2	0	0%	4	2	50%	Fat (2)
HENRY SCHEIN ANIMAL HEALTH, DUBLIN, OH	1	1	100%	2	2	100%	None
HERBSMITH INC, HARTLAND, WI	3	1	33%	8	5	63%	C Protein (1) AH Fat (2)
HIKARI SALES USA INC, HAYWARD, CA	2	2	100%	6	6	100%	None
HILAND NATURALS LTD, SUGARCREEK, OH	3	2	67%	14	13	93%	Fat (1)
HILANDER FEED COMPANY, GEORGETOWN, KY	2	1	50%	10	9	90%	C Protein (1)
HILLS PET NUTRITION INC, TOPEKA, KS	9	7	78%	97	95	98%	AH Fat (1) Zn (1)
HIMALAYAN CORPORATION, MUKILTEO, WA	5	3	60%	10	7	70%	C Protein (2) AH Fat (1)
HI-TEK RATIONS, DUBLIN, GA	2	2	100%	15	15	100%	None
HOOVERS FEED MILL, SCOTTSVILLE, KY	11	9	82%	65	62	95%	C Protein (1) Zn (1) Monensin (1)
HORIZON MFG INC/ACCT DEPT, CALGARY, AB	2	0	0%	25	23	92%	Na (2)
HORSEMENS PRIDE INC, STREETSBORO, OH	1	1	100%	10	10	100%	None
HOWE FARM SUPPLY, INC., VANCEBURG, KY	1	1	100%	5	5	100%	None
HUBBARD FEEDS INC, MANKATO, MN	35	20	57%	250	234	94%	C Protein (6) Salt (1) Co (1) Fe (1) Se (5) Zn (1) Decoquinatate (1)
HUNTER'S SPECIALTIES, INC., CEDAR RAPIDS, IA	1	0	0%	7	6	86%	C Protein (1)
HURON COMMODITIES, CLINTON, ON	2	1	50%	6	5	83%	Fat (1)
I AND LOVE AND YOU, BOULDER, CO	13	9	69%	154	149	97%	C Protein (1) Ca (1) P (2) Zn (1)
IAMS FOOD COMPANY, MASON, OH	11	10	91%	110	109	99%	AH Fat (1)
IMS PET INDUSTRIES, WOOD RIDGE, NJ	4	4	100%	8	8	100%	None

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IN CLOVER INC, BOULDER, CO	1	1	100%	2	2	100%	None
INGREDION INC, WESTCHESTER, IL	1	1	100%	3	3	100%	None
INTEGRITY FEEDS LLC, OWENSBORO, KY	52	24	46%	382	323	85%	C Protein (6) NPN (1) Fat (1) P (3) Salt (8) Co (3) Cu (5) Mg (1) Mn (3) K (3) Se (7) Zn (6) Vit A (7) Amprolium (1) CTC (3) Lasalocid (1)
INTER AMERICAN, CINCINNATI, OH	14	9	64%	100	95	95%	C Protein (2) AH Fat (2) Ca:P (1)
INTL PET SUPPLIES/DISTRIBUTING, SAN DIEGO, CA	2	2	100%	5	5	100%	None
ISLE OF DOGS CORPORATION, GERMANTOWN, WI	1	1	100%	2	2	100%	None
J & H FEED & TACK INC, PAINTSVILLE, KY	15	7	47%	84	75	89%	C Protein (4) Ca (2) P (2) Cu (1)
J E RONICKER LABS INC, WEST MILTON, OH	2	1	50%	14	10	71%	AH Fat (4)
JABETOWN MILL, EWING, KY	1	1	100%	9	9	100%	None
JACK'S PET, BEAVERCREEK, OH	2	1	50%	4	3	75%	C Protein (1)
JBS, GREELY, CO	4	2	50%	12	9	75%	Fat (2) Ca (1)
JEFFRIES FEED, SEED & SUPPLY, CAMPBELLSVILLE, KY	1	0	0%	4	3	75%	C Protein (1)
JENKINS FEED SERVICE, ADAMS, TN	6	2	33%	32	23	72%	C Protein (2) Fat (1) Ca (1) Cu (2) Zn (3)
JIM BEAM BRANDS, CLERMONT, KY	3	1	33%	9	7	78%	C Protein (2)
JOY PET FOODS, PINCKNEYVILLE, IL	2	1	50%	25	24	96%	K (1)
JRB FOODS INC, SHARON CENTER, OH	3	3	100%	7	7	100%	None
JUNGLE LABORATORIES, CIBOLA, TX	1	1	100%	4	4	100%	None
K9 GRANOLA FACTORY, THOMASVILLE, PA	4	1	25%	11	7	64%	C Protein (1) AH Fat (3)
KALMBACH FEEDS INC, UPPER SANDUSKY, OH	18	14	78%	121	117	97%	C Protein (2) Vit A (1) Lasalocid (1)
KASEL INDUSTRIES, DENVER, CO	4	1	25%	11	8	73%	C Protein (1) AH Fat (2)
KAYTEE PRODUCTS INC, CHILTON, WI	10	8	80%	20	17	85%	C Protein (2) AH Fat (1)
KDR PET TREATS LLC, FRESNO, CA	5	2	40%	12	9	75%	AH Fat (3)
KEE'S FARM SERVICE & SUPPLY, LLC., GRAYSON, KY	2	2	100%	8	8	100%	None
KELLY FOODS CORPORATION, MEDINA, OH	6	6	100%	63	63	100%	None
KEN'S VALUE CENTER, BERRY, KY	2	2	100%	8	8	100%	None
KENT NUTRITION GROUP INC, MUSCATINE, IA	2	1	50%	18	17	94%	K (1)
KENTUCKY EQUINE RESEARCH INC, VERSAILLES, KY	1	1	100%	8	8	100%	None

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KENTUCKY NUTRITION SERVICE, LAWRENCEBURG, KY	8	7	88%	81	79	98%	Ca (1) Co (1)
KENTUCKY PERFORMANCE PRODUCTS, VERSAILLES, KY	4	4	100%	16	16	100%	None
KER SPORT HORSE NUTRITION, VERSAILLES, KY	2	1	50%	15	14	93%	Se (1)
K-MART CORPORATION, HOFFMAN ESTATES, IL	17	17	100%	183	183	100%	None
KOCH CHINCHILLA RANCH, CINCINNATI, OH	1	1	100%	4	4	100%	None
KONG COMPANY, GOLDEN, CO	3	1	33%	7	4	57%	C Protein (2) AH Fat (1)
KROGER, CINCINNATI, OH	30	23	77%	275	263	96%	C Protein (2) AH Fat (2) Ca (2) P (1) Cu (1) Fe (1) Mg (1) Zn (1) Ca:P (1)
KY BUYING COOP INTL INC, LEXINGTON, KY	2	2	100%	13	13	100%	None
LAFEVER COMPANY, CORNELL, IL	3	3	100%	6	6	100%	None
LAKE CUMBERLAND FEED & FARM SUPL, LLC, RUSSELL SPRINGS, KY	5	4	80%	24	23	96%	C Protein (1)
LANGDON IC SALES, PICKERING, ON	2	2	100%	6	6	100%	None
LESTER STUTZMAN FEED MILL, MARION, KY	19	17	89%	82	80	98%	C Protein (2)
LHOIST NORTH AMERICA OF TN INC, BRENTWOOD, TN	1	1	100%	1	1	100%	None
LIFE DATA LABS INC, CHEROKEE, AL	1	1	100%	11	11	100%	None
LLOYD INC, SHENANDOAH, IA	2	2	100%	4	4	100%	None
LOTUS PET FOOD INC, TORRANCE, CA	1	1	100%	12	12	100%	None
LOVING PETS PRODUCTS, CRANBURY, NJ	4	3	75%	7	6	86%	C Protein (1)
LOWES PELLETS & GRAIN INC, GREENSBURG, IN	1	1	100%	4	4	100%	None
LUCKY PET BRANDS, CRYSTAL LAKE, IL	1	0	0%	3	2	67%	C Protein (1)
LUTTRULL FEEDS, INC., PEMBROKE, KY	2	2	100%	13	13	100%	None
LYSTN LLC, FLEETWOOD, PA	1	0	0%	3	2	67%	C Protein (1)
M & M GRAIN ROASTERS, ELKTON, KY	1	1	100%	7	7	100%	None
M & W MILLING COMPANY INC, COLUMBIA, KY	1	1	100%	5	5	100%	None
MANNA PRO PRODUCTS, LLC, CHESTERFIELD, MO	17	16	94%	113	111	98%	C Protein (1) Fat (1)
MARION FEED MILL INC, MARION, KY	1	1	100%	6	6	100%	None
MARS FISHCARE NORTH AMERICA INC, CHALFONT, PA	6	6	100%	9	9	100%	None
MARS PETCARE US INC, FRANKLIN, TN	15	12	80%	158	155	98%	AH Fat (3)
MARSHALL PET PRODUCTS, WOLCOTT, NY	2	2	100%	4	4	100%	None
MAR-VO MINERAL CO INC, OSSEO, MI	5	2	40%	20	17	85%	Salt (2) Vit A (1)
MAXIMUM PERFORMANCE INC, LOUISVILLE, KY	1	0	0%	10	7	70%	Fe (1) Mg (1) Se (1)
MAYS LICK MILL, MAYS LICK, KY	2	2	100%	12	12	100%	None
MAZELIN FEED MILL, SCOTTSVILLE, KY	17	11	65%	88	79	90%	C Protein (2) Fat (1) Ca (2) P (3) Se (1)
MCCAULEY BROS INC, VERSAILLES, KY	18	16	89%	115	113	98%	C Protein (2)
MCRAE FEED, LLC, HARRODSBURG, KY	20	15	75%	107	101	94%	C Protein (3) Fat (1) Salt (1) K (1)

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MDL SWEET APPLE INC, POWERS, MI	1	1	100%	8	8	100%	None
MEIJER INC, GRAND RAPIDS, MI	13	13	100%	119	119	100%	None
MELICK AQUA FEED INC, CATAWISSA, PA	5	4	80%	21	20	95%	C Protein (1)
MENARD INC, EAU CLAIRE, WI	8	7	88%	68	67	99%	Fat (1)
MENIFEE COUNTY FARM SUPPLY, FRENCHBURG, KY	2	1	50%	8	7	88%	C Protein (1)
MENNEL MILLING COMPANY, FOSTORIA, OH	1	1	100%	4	4	100%	None
MENU FOODS, PENNSAUKEN, NJ	1	0	0%	11	10	91%	AH Fat (1)
MERRICK PET CARE INC, AMARILLO, TX	17	10	59%	195	183	94%	C Protein (1) AH Fat (2) Ca (4) P (2) Cu (1) Mg (1) Ca:P (1)
MFS ALLIANCE, INC., EDMONTON, KY	11	10	91%	47	45	96%	Ca (1) Monensin (1)
MGPI OF INDIANA LLC, LAWRENCEBURG, IN	1	1	100%	3	3	100%	None
MID AMERICA PET FOOD LLC, MT PLEASANT, TX	3	2	67%	37	36	97%	Ca (1)
MID-STATES DISTRIBUTING CO, ST. PAUL, MN	1	1	100%	3	3	100%	None
MIDWESTERN PET FOODS INC, EVANSVILLE, IN	29	26	90%	249	245	98%	Ca (1) Co (1) Fe (1) Mn (1)
MILK PRODUCTS, CHILTON, WI	2	2	100%	13	13	100%	None
MILO'S KITCHEN LLC, PITTSBURGH, PA	4	4	100%	11	11	100%	None
MIRACLE CORP PRODUCTS, DAYTON, OH	1	0	0%	3	2	67%	AH Fat (1)
MISSISSIPPI LIME CO, ST LOUIS, MO	3	3	100%	3	3	100%	None
MOSAIC CROP NUTRITION LLC, LITHIA, FL	1	1	100%	2	2	100%	None
MOSAIC GLOBAL SALES LLC, LITHIA, FL	1	1	100%	2	2	100%	None
MOYER & SON INC, SOUDERTON, PA	3	2	67%	10	9	90%	AH Fat (1)
MRS PASTURES COOKIES FOR HORSE, WALNUT CREEK, CA	1	1	100%	2	2	100%	None
MYERS FEED & FARM SUPPLY, CORINTH, KY	3	1	33%	18	16	89%	C Protein (1) Cu (1)
NATURA PET PRODUCTS, FREMONT, NE	3	3	100%	34	34	100%	None
NATURAL LIFE PET PRODUCTS, PITTSBURG, KS	1	0	0%	11	10	91%	AH Fat (1)
NATURAL SODA INC, RIFLE, CO	1	1	100%	2	2	100%	None
NATURE ZONE, CHICO, CA	1	1	100%	1	1	100%	None
NATUREL PROMISE, WENTZVILLE, MO	1	1	100%	1	1	100%	None
NATURES ANIMALS INC, MAMARONECK, NY	8	8	100%	18	18	100%	None
NATURES LOGIC, LINCOLN, NE	4	3	75%	50	49	98%	AH Fat (1)
NATURES RECIPE PET FOODS, PITTSBURGH, PA	13	12	92%	149	148	99%	Cu (1)
NATURES VARIETY, LINCOLN, NE	12	8	67%	93	89	96%	AH Fat (4)
NESTLE PURINA PETCARE CO, ST LOUIS, MO	21	21	100%	165	165	100%	None
NEW HEALTH PET PRODUCTS, LEXINGTON, SC	1	1	100%	1	1	100%	None
NEWMANS OWN ORGANICS, APTOS, CA	1	1	100%	12	12	100%	None
NOOTIE LLC, DELRAY BEACH, FL	5	5	100%	8	8	100%	None
NORTHDOWN INDUSTRIES/NORMERICA, PORT CREDIT, ON	1	1	100%	2	2	100%	None
NULO INC, AUSTIN, TX	8	7	88%	92	91	99%	C Protein (1)
NUNN MILLING COMPANY INC, EVANSVILLE, IN	6	6	100%	34	34	100%	None
NUTRA BLEND CORP, NEOSHO, MO	1	1	100%	6	6	100%	None
NUTRENA, MINNEAPOLIS, MN	14	9	64%	100	95	95%	Fat (1) Ca (1) Mn (1) Se (2)

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NUTRI-VET LLC, BOISE, ID	6	5	83%	18	16	89%	Se (1) Vit A (1)
NUTRO PRODUCTS INC, FRANKLIN, TN	2	2	100%	12	12	100%	None
NYLABONE PRODUCTS, NEPTUNE, NJ	1	0	0%	4	3	75%	Ca (1)
ODOM'S LIVESTOCK SUPPLY, INC., MAYFIELD, KY	14	12	86%	116	113	97%	Ca (2) Zn (1)
OMEGA PAW INC, ST MARYS, ON	1	1	100%	4	4	100%	None
OMEGA SEA LTD, PAINESVILLE, OH	4	3	75%	12	11	92%	Fat (1)
ORSCHLON FARM & HOME, MOBERLY, MO	5	4	80%	34	33	97%	Ca (1)
OVERBY FARM LLC, TEMECULA, CA	1	1	100%	1	1	100%	None
OVERTON-PICKETT FARMERS COOP, LIVINGSTON, TN	5	3	60%	25	23	92%	C Protein (1) Ca (1)
OWENSBORO GRAIN CO INC, OWENSBORO, KY	31	26	84%	69	64	93%	C Fiber (5)
OXBOW ENTERPRISES, MURDOCK, NE	7	6	86%	35	33	94%	AH Fat (1) Cu (1)
PACIFIC COAST DISTRIBUTING, PHOENIX, AZ	10	9	90%	84	83	99%	Mg (1)
PARAGON PET PRODUCTS USA INC, WILMINGTON, DE	2	2	100%	5	5	100%	None
PARTY ANIMAL INC, HOLLYWOOD, CA	3	0	0%	36	28	78%	AH Fat (2) Ca (3) P (3)
PATCHWORK DISTRIBUTION INC, CORONA, CA	3	3	100%	31	31	100%	None
PAW DUKE TREATS, MILLBROOK, IL	1	1	100%	2	2	100%	None
PAW PRINTS BAKERY LLC, GEORGETOWN, KY	1	0	0%	3	2	67%	C Protein (1)
PEPPER'S HARDIN COUNTY MILLING CO., ELIZABETHTOWN, KY	24	23	96%	88	87	99%	C Protein (1)
PERDUE AGRIBUSINESS LLC, SALISBURY, MD	1	1	100%	4	4	100%	None
PERFORMANCE FEEDS, RED BOILING SPGS, TN	35	23	66%	249	236	95%	C Protein (2) NPN (1) Salt (1) Fe (2) Se (1) Vit A (1) Decoquinatate (2) Monensin (3)
PERFORMANCE PET PRODUCTS LLC, MITCHELL, SD	1	1	100%	12	12	100%	None
PERFORMANCE SEED, ST. CLOUD, MN	1	1	100%	2	2	100%	None
PET BRANDS, COLUMBUS, OH	8	7	88%	18	17	94%	AH Fat (1)
PET KING, JAMAICA, NY	4	4	100%	9	9	100%	None
PET NATURALS OF VERMONT, ESSEX JUNCTION, VT	5	4	80%	16	15	94%	Se (1)
PET VALU CANADA INC, MARKHAM, ON	9	8	89%	108	107	99%	AH Fat (1)
PET VENTURES INC, NORTH HOLLYWOOD, CA	11	6	55%	19	14	74%	C Protein (4) AH Fat (1)
PETCHUP INC, DENVER, CO	1	0	0%	8	2	25%	Ca (1) Mg (1) Mn (1) Se (1) Zn (1) Vit A (1)
PETKIND, WHITE ROCK, BC	5	1	20%	23	17	74%	C Protein (4) AH Fat (1) Ash (1)
PETMATE DENVER, ARLINGTON, TX	1	1	100%	1	1	100%	None
PETMATRIX LLC, SADDLE BROOK, NJ	3	3	100%	6	6	100%	None
PETROPICS LLC, CARLSBORG, WA	3	3	100%	24	24	100%	None
PETS GLOBAL INC, GARDENA, CA	1	0	0%	11	9	82%	P (1) Fe (1)
PETS OF AMERICA WHOLESALE SPLY, WILLIAMSTON, NC	2	2	100%	25	25	100%	None

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PFIZER INC, MADISON, NJ	1	1	100%	7	7	100%	None
PHILLIPS AGRI, CAMPBELLSVILLE, KY	1	0	0%	4	3	75%	C Protein (1)
PLANET DOG, WESTBROOK, ME	2	1	50%	6	5	83%	C Protein (1)
PMI NUTRITION INTL INC, BRENTWOOD, MO	12	11	92%	125	124	99%	Fat (1)
PMI NUTRITIONAL INTL INC, ST LOUIS, MO	1	1	100%	7	7	100%	None
POET NUTRITION INC, SIOUX FALLS, SD	3	1	33%	11	9	82%	Fat (2)
PRAIRIE DOG TREATS, GRAND PRAIRIE, TX	6	2	33%	13	9	69%	C Protein (3) AH Fat (1)
PRECISE PET PRODUCTS, NACOGDOCHES, TX	9	7	78%	107	105	98%	AH Fat (1) K (1)
PREMIUM NUTRITIONAL PRODUCTS, MISSION, KS	3	3	100%	6	6	100%	None
PRETTY BIRD INTL INC, STACY, MN	1	1	100%	1	1	100%	None
PREWITT FARM SUPPLY, INC., WILLIAMSBURG, KY	2	1	50%	8	7	88%	C Protein (1)
PRIMAL PET FOODS INC, SAN FRANCISCO, CA	5	1	20%	54	47	87%	C Protein (2) AH Fat (2) Zn (3)
PRINCE CORP, MARSHFIELD, WI	1	1	100%	2	2	100%	None
PROCESS MANAGERS LLC, WINCHESTER, KY	2	2	100%	16	16	100%	None
PROFESSIONAL PET CO, META, MO	4	2	50%	49	47	96%	C Protein (1) Fat (1)
PRO-PET LLC, ST MARYS, OH	3	2	67%	14	13	93%	AH Fat (1)
PROVIMI NORTH AMERICA INC, BROOKVILLE, OH	2	2	100%	12	12	100%	None
PSP DISTRIBUTION LLC, SEYMOUR, IN	4	4	100%	6	6	100%	None
PURE TREATS INC, VAUDREUIL DORION, QC	1	1	100%	2	2	100%	None
PURINA ANIMAL NUTRITION LLC, SHOREVIEW, MN	52	36	69%	443	427	96%	C Protein (2) NPN (1) Fat (1) Mn (1) K (6) Na (2) Vit A (1) Decoquinatate (1) Monensin (1)
PURINA MILLS INC, NASHVILLE, TN	1	1	100%	5	5	100%	None
PURINA MILLS INC, ST. LOUIS, MO	5	2	40%	27	24	89%	C Protein (1) Se (1) Zn (1)
RADIO SYSTEMS CORPORATION, KNOXVILLE, TN	1	1	100%	1	1	100%	None
RAGLAND MILLS INC, NEOSHO, MO	3	2	67%	27	26	96%	Vit A (1)
RED A FEEDS, MANKATO, MN	12	11	92%	63	62	98%	Salt (1)
RED RIVER COMMODITIES, FARGO, ND	2	2	100%	4	4	100%	None
REDBARN PET PRODUCTS LLC, GREAT BEND, KS	6	5	83%	22	21	95%	AH Fat (1)
RENAISSANCE NUTRITION INC, ROARING SPRING, PA	4	1	25%	30	24	80%	C Protein (1) P (1) Salt (2) Se (2)
REP CAL RESEARCH LABS, LOS GATOS, CA	2	2	100%	3	3	100%	None
REPASHY VENTURES INC, LA JOLLA, CA	2	1	50%	6	5	83%	Vit A (1)
RESOLVE SUSTAINABLE SOLUTIONS, FORT DODGE, IA	7	4	57%	36	32	89%	Fat (2) AH Fat (1) C Fiber (1)
RETAIL FACTORY DIRECT, EFFINGHAM, IL	1	0	0%	5	4	80%	Ca (1)
RIDLEY BLOCK OPERATIONS, MANKATO, MN	30	20	67%	287	276	96%	C Protein (4) P (1) Salt (1) Mg (2) Mo (1) Vit A (2)

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	Total	No. Passed	% Passed	Total	No. Passed	% Passed	
RIDLEY SPECIALTY PRODUCTS, MANKATO, MN	2	2	100%	15	15	100%	None
RILEY'S ORGANICS, ST LOUIS, MO	1	0	0%	3	2	67%	AH Fat (1)
RIP'S FARM CENTER, INC., TOLLESBORO, KY	23	14	61%	131	119	91%	C Protein (2) Ca (2) P (1) Salt (1) Cu (1) K (1) CTC (1) Decoquinat (1) Monensin (2)
RIVER VALLEY ANIMAL FOODS, ROBARDS, KY	1	1	100%	4	4	100%	None
ROCKO'S REWARDS, LOUISVILLE, KY	1	1	100%	1	1	100%	None
ROSE ACRE FARMS INC, SEYMOUR, IN	2	2	100%	3	3	100%	None
ROUDYBUSH INC, WOODLAND, CA	2	2	100%	4	4	100%	None
ROYAL CANIN USA INC, ST CHARLES, MO	8	8	100%	94	94	100%	None
RUDY GREEN INC, LOUISVILLE, KY	2	1	50%	3	2	67%	C Protein (1)
RUDY'S FARM CENTER, KEVIL, KY	1	1	100%	8	8	100%	None
RURAL KING SUPPLY - MATTOON, MATTOON, IL	11	9	82%	112	108	96%	Fat (1) Ca (1) P (1) Vit A (1)
RUSH DIRECT INC, WOOD DALE, IL	2	2	100%	5	5	100%	None
RUSSELL CO. FARM STORE, RUSSELL SPRINGS, KY	3	3	100%	9	9	100%	None
SAFARI STAN PETS, CHILLICOTHE, OH	1	1	100%	5	5	100%	None
SALIX LLC, DEERFIELD BEACH, FL	3	3	100%	6	6	100%	None
SAMS WEST INC, BENTONVILLE, AR	4	4	100%	49	49	100%	None
SARATOGA VET PRODUCTS, PEMBROKE PINES, FL	1	1	100%	1	1	100%	None
SAVE-A-LOT LTD, EARTH CITY, MO	17	12	71%	153	145	95%	AH Fat (4) Ca (1) P (1) Mg (1) K (1)
SAVORY PRIME, VENTURA, CA	2	2	100%	3	3	100%	None
SCHELL & KAMPETER INC, META, MO	1	1	100%	12	12	100%	None
SCIENCE HILL MILLING COMPANY, INC., SCIENCE HILL, KY	8	4	50%	44	40	91%	C Protein (2) Ca (1) P (1)
SCOTT PET PRODUCTS, ROCKVILLE, IN	5	5	100%	16	16	100%	None
SEEDS, INC., MEMPHIS, TN	3	2	67%	37	36	97%	Ca (1)
SERGEANTS PET CARE PRODUCTS, OMAHA, NE	4	4	100%	11	11	100%	None
SEVENTY FEEDS LLC, EUBANK, KY	5	3	60%	20	18	90%	C Protein (1) K (1)
SHOPKO STORES OPERATING CO LLC, GREEN BAY, WI	3	3	100%	8	8	100%	None
SIEMER MILLING COMPANY, TEUTOPOLIS, IL	1	1	100%	3	3	100%	None
SIEMER MILLING COMPANY, HOPKINSVILLE, KY	3	3	100%	12	12	100%	None
SIEMER MILLING COMPANY, WEST HARRISON, IN	1	1	100%	3	3	100%	None
SIMMONS PET FOOD INC, PENNSAUKEN, NJ	3	2	67%	34	33	97%	Na (1)
SIMPLY NOURISH PET FOOD CO, PHOENIX, AZ	9	7	78%	82	80	98%	C Protein (1) AH Fat (1)
SIMS BROTHERS, UNION SPRINGS, AL	1	1	100%	2	2	100%	None
SLIGO FEED MILL, PENDLETON, KY	2	1	50%	10	9	90%	C Protein (1)
SOJOS INC, MINNEAPOLIS, MN	5	4	80%	14	13	93%	C Protein (1)
SOLID GOLD PET LLC, GREENVILLE, SC	8	6	75%	90	85	94%	C Protein (2) AH Fat (1) Ca (1) P (1)

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SOULISTIC, NATICK, MA	6	4	67%	64	62	97%	K (1) Na (1)
SOURCE INC, N BRANFORD, CT	2	2	100%	5	5	100%	None
SOUTHERN STATE COOP INC., RICHMOND, VA	95	78	82%	730	711	97%	C Protein (10) Fat (2) Se (5) S (1) Vit A (1)
SOUTHERN STATES, BOWLING GREEN, KY	4	2	50%	20	18	90%	C Protein (2)
SOUTHERN STATES, CAMPBELLSVILLE, KY	1	1	100%	3	3	100%	None
SOUTHERN STATES, DANVILLE, KY	5	1	20%	15	8	53%	C Protein (3) Ca (1) Cu (3)
SOUTHERN STATES, FLEMINGSBURG, KY	9	9	100%	48	48	100%	None
SOUTHERN STATES, GEORGETOWN, KY	3	3	100%	6	6	100%	None
SOUTHERN STATES, HARDINSBURG, KY	1	1	100%	6	6	100%	None
SOUTHERN STATES, HOPKINSVILLE, KY	1	1	100%	5	5	100%	None
SOUTHERN STATES, LONDON, KY	4	2	50%	27	25	93%	C Protein (2)
SOUTHERN STATES, OWINGSVILLE, KY	3	3	100%	12	12	100%	None
SOUTHERN STATES, SOMERSET, KY	3	3	100%	13	13	100%	None
SPECIALTY FEEDS INC, MEMPHIS, TN	7	4	57%	80	76	95%	C Protein (1) Ca (1) K (1) Na (1)
SPECIALTY PRODUCTS RESOURCES INC, WALTHAM, MA	3	2	67%	6	5	83%	C Protein (1)
STANDLEE HAY CO INC, EDEN, ID	1	0	0%	2	1	50%	C Protein (1)
STAR MARK PET PRODUCTS INC, HUTTO, TX	2	2	100%	2	2	100%	None
STELLA & CHEWY'S LLC, OAK CREEK, WI	10	2	20%	96	81	84%	C Protein (4) Fat (2) AH Fat (6) Ca (2) Moisture (1)
STEWART'S FARM SUPPLY, BROOKSVILLE, KY	6	2	33%	30	25	83%	C Protein (1) C Fiber (1) P (3)
SUGAR CREEK PET PRODUCTS LLC, META, MO	1	1	100%	2	2	100%	None
SUNSHINE MILLS INC, RED BAY, AL	13	11	85%	82	80	98%	Ca (1) Zn (1)
SUPERIOR FARMS PET PROVISIONS, DIXON, CA	1	1	100%	3	3	100%	None
SUPERVALU INC, EDEN PRAIRIE, MN	3	3	100%	29	29	100%	None
T & H FEED SERVICE, INC., LEBANON, KY	2	1	50%	14	13	93%	C Protein (1)
TAPPS FEED & FARM SUPPLY, SHELBYVILLE, KY	2	2	100%	10	10	100%	None
TASMANS NATURAL PET, LOUISVILLE, KY	4	0	0%	11	4	36%	C Protein (3) AH Fat (4)
TASTE OF THE WILD, META, MO	4	4	100%	48	48	100%	None
TBD BRANDS LLC, EXETER, NH	2	1	50%	5	4	80%	C Protein (1)
TEDS FEED STORE, MIDDLESBORO, KY	1	0	0%	4	3	75%	C Protein (1)
TEJAS PET PRODUCTS, LINCOLN, NE	8	4	50%	18	14	78%	AH Fat (4)
TENDER & TRUE PET NUTR, OMAHA, NE	2	2	100%	25	25	100%	None
TENNESSEE FARMERS COOP - LAVERGNE, LAVERGNE, TN	14	11	79%	130	125	96%	Co (1) Zn (1) Vit A (2) CTC (1)
THE CRUMP GROUP INC, BRAMPTON, ON	3	3	100%	8	8	100%	None
THE GRAZING GOURMET CO, SUMMERFIELD, NC	1	0	0%	2	1	50%	C Fiber (1)
THE HONEST KITCHEN INC, SAN DIEGO, CA	1	0	0%	1	0	0%	C Protein (1)

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THE HYLAND CO INC, ASHLAND, KY	21	12	57%	217	205	94%	C Protein (3) AH Fat (4) Ca (3) P (1) Salt (1)
THE LENNOX INTL INC, CARTERET, NJ	2	0	0%	4	2	50%	AH Fat (2)
THE NUTRO COMPANY, FRANKLIN, TN	18	16	89%	171	169	99%	Fat (2)
THE REAL MEAT COMPANY, MONTROSE, CA	2	1	50%	6	5	83%	AH Fat (1)
THREE DOG BAKERY LLC, KANSAS CITY, MO	6	6	100%	35	35	100%	None
TIZWHIZ SALES LTD, SPRINGFIELD, OH	1	0	0%	10	8	80%	Fat (1) Mn (1)
TOMLYN PRODUCTS, FORT WORTH, TX	2	1	50%	10	9	90%	C Protein (1)
TOP DOG TREATS & CHEWS, RICHMOND, VA	1	1	100%	2	2	100%	None
TOPCO ASSOCIATES, ELK GROVE VILLAGE, IL	7	6	86%	83	81	98%	Na (1) Zn (1)
TOPS PET PRODUCTS, BEVERLY, MA	2	2	100%	5	5	100%	None
TOTAL FEEDS INC, WEATHERFORD, TX	2	1	50%	17	16	94%	Ca (1)
TRACTOR SUPPLY COMPANY, BRENTWOOD, TN	46	36	78%	373	359	96%	C Protein (2) AH Fat (5) Ca (2) P (1) K (1) Se (1) Zn (1) Vit A (1)
TRADER JOE'S, MONSEY, NY	7	7	100%	73	73	100%	None
TREAT PLANET, MARYLAND HEIGHTS, MO	2	2	100%	4	4	100%	None
TRI STATE PACKAGING CO, VAN WERT, OH	1	1	100%	1	1	100%	None
TRI-COUNTY FERTILIZER CO., INC., RICHMOND, KY	6	4	67%	25	23	92%	C Protein (1) Fat (1)
TRM IRELAND INC, STREETSBORO, OH	1	1	100%	5	5	100%	None
TUFFYS PET FOODS INC, PERHAM, MN	3	3	100%	24	24	100%	None
TWIGGY CUPCAKE, ROCKY PL, NY	1	1	100%	3	3	100%	None
TYSON PET PRODUCTS, INDEPENDENCE, IA	5	3	60%	16	14	88%	AH Fat (2)
UNIPET USA LLC, TRAVELERS REST, SC	1	1	100%	2	2	100%	None
UNITED LIVESTOCK COMMODITIES, MAYFIELD, KY	7	6	86%	47	45	96%	Ca (1) Monensin (1)
UNITED PET GROUP INC, BLACKSBURG, VA	8	8	100%	17	17	100%	None
VALERO MARKETING & SUPPLY CO, SAN ANTONIO, TX	3	1	33%	11	9	82%	Fat (2)
VALLEY FARM CENTER, INC., MONTICELLO, KY	1	0	0%	4	3	75%	Ca (1)
VALLEY GRAIN PRODUCTS, HENDERSON, KY	2	2	100%	6	6	100%	None
VAPCO INC, LAWRENCE, MA	1	0	0%	6	5	83%	Ca (1)
VARIETY PET FOODS, ENGLEWOOD, CO	8	8	100%	73	73	100%	None
VETS CHOICE, DEER PARK, NY	6	6	100%	64	64	100%	None
VETS PLUS INC, MENOMONIE, WI	2	2	100%	5	5	100%	None
VETSCIENCE LLC, DALLAS, TX	5	5	100%	12	12	100%	None
VIRBAC AH INC, FORT WORTH, TX	1	1	100%	10	10	100%	None
VITA FLEX NUTRITION CO INC, COUNCIL BLUFFS, IA	1	1	100%	14	14	100%	None
VITAKRAFT SUN SEED CO INC, BOWLING GREEN, OH	5	5	100%	19	19	100%	None
W & W FEED MILL INC, EWING, VA	2	2	100%	8	8	100%	None
WAGGERS PET PRODUCTS, CALGARY, AB	3	3	100%	9	9	100%	None
WAGGIN TRAIN LLC, ST LOUIS, MO	2	1	50%	6	5	83%	AH Fat (1)
WALGREEN CO, DEERFIELD, IL	1	1	100%	13	13	100%	None
WAL-MART STORES INC, BENTONVILLE, AR	14	13	93%	86	85	99%	Fat (1)
WALPOLE FEED & SUPPLY, OKEECHOBEE, FL	2	0	0%	22	20	91%	Ca (2)
WATSON CATTLE NUTRITION, BOWLING GREEN, KY	1	1	100%	9	9	100%	None

Report of Official Feed Samples Analyzed—2015

Business Name	Samples			Tests			Sample Violations
	Total	No. Passed	% Passed	Total	No. Passed	% Passed	
WELL PET LLC, TEWKSBURY, MA	11	10	91%	107	106	99%	AH Fat (1)
WERUVA INTERNATIONAL INC, NATICK, MA	5	1	20%	57	50	88%	AH Fat (1) Ca (1) P (1) Cu (1) K (2) Na (1)
WESTMINSTER PET PRODUCTS, PAWTUCKET, RI	5	4	80%	11	10	91%	C Protein (1)
WESTWAY FEED PRODUCTS LLC, TOMBALL, TX	1	0	0%	9	8	89%	Vit A (1)
WET NOSES NATURAL DOG TREAT CO, MONROE, WA	8	8	100%	21	21	100%	None
WHITESTONE FEEDS, STANLEY, KY	3	3	100%	19	19	100%	None
WHITESTONE FEEDS INC, OWENSBORO, KY	1	0	0%	10	8	80%	Se (1) CTC (1)
WHOLE FOODS MARKET, AUSTIN, TX	8	6	75%	75	73	97%	AH Fat (1) K (1)
WHOLE LIFE PET PRODUCTS, PITTSFIELD, MA	1	0	0%	3	1	33%	C Protein (1) AH Fat (1)
WIGZI, WASHINGTON, DC	1	0	0%	3	2	67%	AH Fat (1)
WILD CALLING! PET FOOD, GREELEY, CO	7	3	43%	83	69	83%	AH Fat (3) Ca (4) P (4) Cu (1) Mg (1) Zn (1)
WILDGAME INNOVATIONS, LLC, BATON ROUGE, LA	3	1	33%	10	7	70%	C Protein (1) AH Fat (1) Ca (1)
WILLARD MILLING, INC, WILLARD, KY	18	16	89%	148	146	99%	C Protein (2)
WILLIE BAKERY, CLINTON, TN	1	1	100%	1	1	100%	None
WINCHESTER FEED COMPANY, INC., WINCHESTER, KY	8	7	88%	57	55	96%	Se (1) Vit A (1)
WOODFORD FEED COMPANY, INC., VERSAILLES, KY	2	2	100%	13	13	100%	None
WRIGLEY'S 7-711, INC., WEST LIBERTY, KY	1	1	100%	5	5	100%	None
XTREME AQUATIC FOODS, INC., PRINCETON, FL	2	2	100%	5	5	100%	None
YODER'S FEED & SUPPLY, RUSSELLVILLE, KY	16	12	75%	92	87	95%	C Protein (1) Ca (4)
ZIWIPEAK LTD, CARMEL, CA	3	2	67%	28	27	96%	AH Fat (1)
ZOO MED LABORATORIES, INC., SAN LUIS OBISPO, CA	7	7	100%	17	17	100%	None
ZUKES, DURANGO, CO	8	5	63%	22	19	86%	C Protein (3)
Totals	3,056	2,289	75%	19,564	18,522	95%	

UNIVERSITY OF KENTUCKY
COLLEGE OF AGRICULTURE,
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AGRICULTURAL EXPERIMENT STATION
LEXINGTON, KY 40546

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