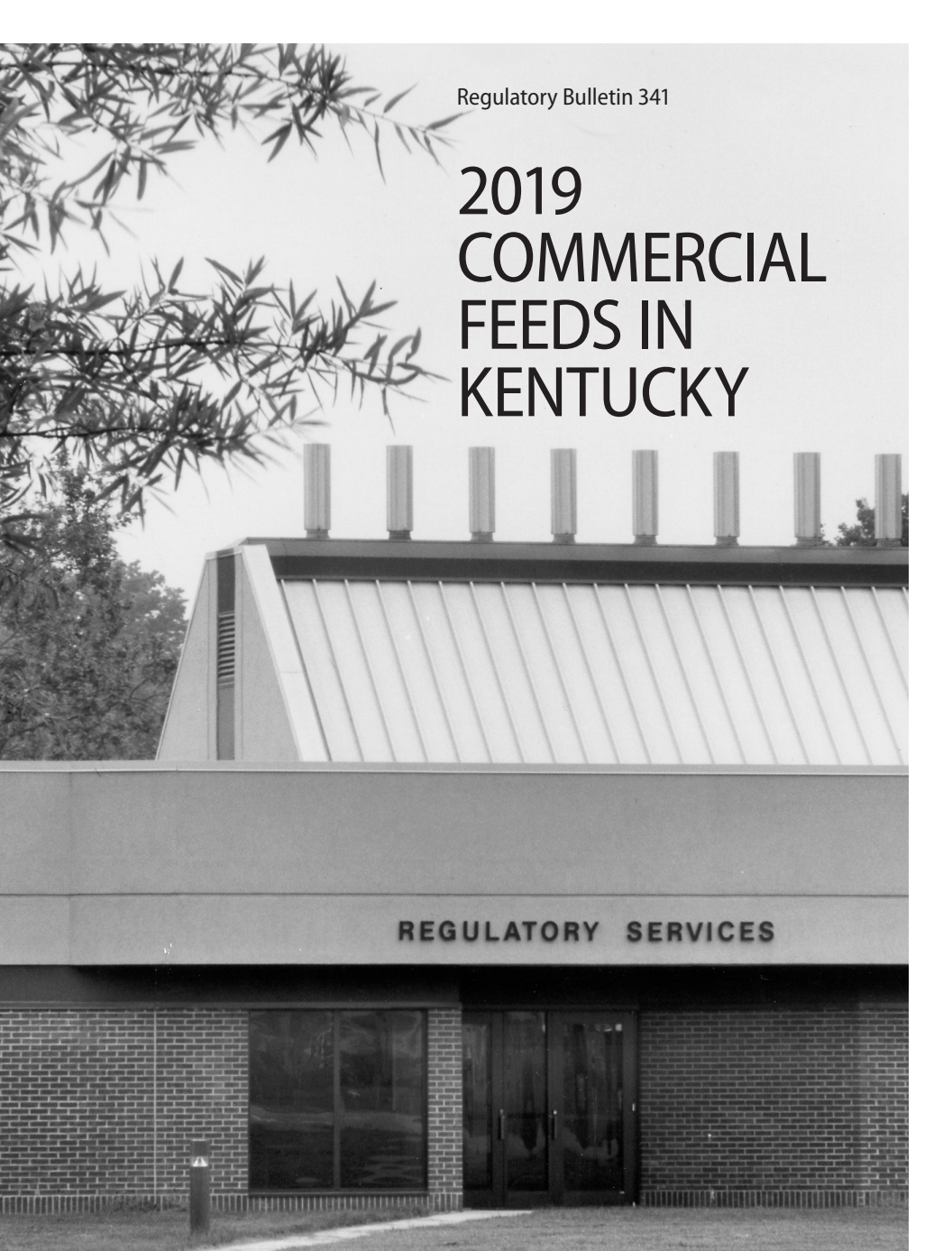


Regulatory Bulletin 338

2018 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
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Introduction

Kentucky's commercial feed law (KRS 250.491-250.631) dates from 1906 and was last 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.

Over the years, revisions in law and regulations have primarily been in response to more varied livestock feeding practices, changes in feed manufacturing technology, and new feed ingredients. In 2018, we submitted revisions to our feed regulations to the state legislature and these new regulations became effective in September for pet food and in October for livestock feed. The revisions better align Kentucky regulations with the American Association of Feed Control Officials (AAFCO) model bill and regulations. Some of the more important changes include:

- Addition of maximum acid detergent fiber and maximum neutral detergent fiber on equine feed labels;
- Separation of sheep and goat label requirements and addition of maximum acid detergent fiber on goat feed labels;
- Allowing guarantors to use either maximum crude fiber or maximum acid detergent fiber on poultry, swine, beef, and sheep feed labels (note that

this is a change in Kentucky regulations that is not part of the model bill);

- More refined regulations on nutritional adequacy statements for complete dog and cat foods;
- Requirement of caloric content for all dog and cat foods and treats.

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 the Food and Drug Administration (FDA) to manufacture medicated feed, depending on the type and concentration of drug. There are currently eight feed mills in Kentucky with feed mill licenses (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 inspections of feed distributors and manufacturers each year. In the last two years, our inspection program has evolved to include more joint inspections, a greater focus on manufacturers, and the addition of new inspections to evaluate progress of firms in meeting new Food Safety Modernization Act (FSMA) require-

ments. Inspections to determine compliance with the rules in place to prevent the establishment and amplification of bovine spongiform encephalopathy (BSE) are now limited to firms that manufacture feeds containing ruminant protein products. Our 28 inspections conducted in 2018 included evaluations of good manufacturing practices (GMP's) at 16 Kentucky mills

manufacturing medicated feed. At each of these firms, our inspectors also conducted GMP inspections to determine compliance with FSMA regulations and an evaluation of compliance with distribution of veterinary feed directive (VFD) products. An additional eight FSMA GMP inspections were conducted at firms that manufacture only non-medicated feed. Though our

Table 1. Number of feed ingredient samples in 2018

Type	Official Samples with Guarantees	Unofficial, Proficiency, Service Samples	Total
Alfalfa Products	2	0	2
Animal Products	21	4	25
Brewery Products	0	4	4
Corn Products	45	87	132
Cottonseed Products	3	1	4
Distillers Products	50	27	77
Soybean Products	90	3	93
Wheat Products	5	12	17
Other Grains	5	21	26
Minerals	8	1	9
Vitamins	5	0	5
Urea & Other NPN	1	0	1
Other	16	15	31
Service Samples	0	8	8
AAFCO samples	0	1	1
Total	251	184	435

Table 2. Number of commercial feed samples in 2018

Formula Feeds	Official Samples with Guarantees	Unofficial, Proficiency, Service Samples	Total
Poultry Feed	235	13	248
Beef Feed	425	45	470
Dairy Feed	44	5	49
Swine Feed	129	13	142
Sheep Feed	21	9	30
Goat Feed	52	2	54
Equine Feed	223	18	241
Rabbit Feed	29	1	30
Fish Feed	12	1	13
Deer Products	28	7	35
Milk Replacer	10	1	11
Mineral/Vitamin/Other	217	20	237
Wild Bird Food	36	0	36
Total	1461	135	1596

number of FDA contract inspections has decreased in the last two years, inspections have become more detailed and thorough. At the beginning of 2019, there were 193 feed manufacturing facilities located in Kentucky that serve the animal feed and pet food industries. Additionally, more than 284 feed distributors located in the state handle livestock feed.

Food Safety

The goal of the Food Safety Modernization Act (FSMA), enacted in 2011, is to ensure the safety of the U.S. food supply by shifting the focus of federal regulation from responding to contamination to preventing it. As of September of 2018, all facilities manufacturing or holding animal feed are required to comply with good manufacturing practices. By the fall of 2019, preventative controls will also be required for eligible facilities. While we will continue to monitor the manufacture of medicated animal feed, we expect our inspection program to evolve to be

more in line with FSMA philosophy. Our focus on educating before regulating will remain in place.

While preventing feed related problems is the best approach, there will continue to be occurrences with animal or pet food that need attention including 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.

Since September 2016, Kentucky has been one of a group of now 22 states fully participating in the Animal Feed Regula-

Table 3. Number of pet and specialty feed samples in 2018

Type	Official Samples with Guarantees	Unofficial, Proficiency, Service Samples	Total
Dog food	447	4	451
Cat food	244	1	245
Dog & cat treats	416	9	425
Specialty pet & pet other	104	1	105
Total	1211	15	1226

Table 4. Survey of 2018 corn crop (54 total samples)

	Units	# Tests	LLQ ¹	# Tests > LLQ	Mean ²
Crude Protein	%	54			6.86
Aflatoxin	ppb	54	< 5 ppb	2	41.28
Fumonisin	ppm	54	< 1 ppm	54	1.58
Vomitoxin	ppm	54	< 0.5 ppm	35	0.71
Zearalenone	ppm	52	< 0.02 ppm	31	0.23
T-2 Toxin	ppm	50	< 0.02 ppm	0	
Ochratoxin	ppm	50	< 0.02 ppm	0	
Moisture	%	52			14.76

¹Lower limit of quantification.

²Mean includes only samples with analyzed values > LLQ.

Table 5. Number of feed analyses reported in 2018

		Official Samples	Unofficial, Proficiency, Service Samples	Total
Proximate	Crude Protein	2682	259	2941
	NPN Equiv Protein	54	1	55
	Crude Fat	576	159	735
	AH Fat	1115	13	1128
	Crude Fiber	808	125	933
	Acid Detergent Fiber	681	67	748
	Neutral Detergent Fiber	253	54	307
	Ash	159	10	169
Minerals	Moisture	610	91	701
	Aluminum	2	3	5
	Arsenic	0	0	0
	Cadmium	0	0	0
	Calcium	2173	143	2316
	Ca:P Ratio	405	0	405
	Cobalt	1907	140	2047
	Copper	2173	143	2316
	Chromium	0	0	0
	Iron	2173	143	2316
	Lead	0	0	0
	Magnesium	2173	143	2316
	Manganese	2173	143	2316
	Molybdenum	1	4	5
	Phosphorus	2173	143	2316
	Potassium	2173	143	2316
	Salt, min	962	47	1009
	Selenium	725	68	793
	Sodium	2172	143	2315
	Sulfur	26	7	33
Zinc	2173	143	2316	
Vitamins	Vitamin A	294	10	304
Drugs	Amprolium	9	6	15
	Bacitracin	4	7	11
	Carbadox	0	0	0
	Chlortetracycline	22	4	26
	Decoquinatate	25	2	27
	Lasalocid	66	20	86
	Monensin, sodium	122	10	132
	Oxytetracycline	2	0	2
	Tylosin	0	1	1
Mycotoxins	Aflatoxin	12	77	89
	Fumonisin	11	76	87
	Ochratoxin	10	61	71
	T-2-Toxin	10	65	75
	Vomitoxin	11	87	98
	Zearalenone	11	72	83
Other	Listeria	10	0	10
	Salmonella	10	0	10
	Microscopy	0	4	4
Totals		31,151	2,837	33,988

tory 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. Kentucky has fully implemented 10 of the 11 standards. This cooperative agreement will bring \$3,000,000 into the division and the university over a five-year period.

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, nearly 24,000 different commercial feeds and pet foods are registered for distribution by around 1,200 companies. More than half (57%) of these registered products are in the pet and specialty categories.

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 6. Reported tons of ingredients distributed

Ingredient	Exempt	Non-exempt
	2018	2018
Alfalfa Products	1,270	4,360
Animal Products	6,482	31,232
Brewery Products	369	823
Corn Products	45,060	121,522
Cottonseed Products	9,882	13,098
Distillers Products	36,771	211,634
Soybean Products	202,376	611,436
Wheat Products	71,273	10,257
Other Grains/Oilseeds	9,820	17,451
Minerals	24,785	77,203
Vitamins	132	5,420
Urea & Other NPN	4,558	629
Other	25,114	86,406
Distillers wet grains	0	198,771
Brewers wet grains	0	10,474
Liquid whey	0	0
Total	437,892	1,400,714

Table 7. Reported tons of commercial feeds distributed

Type	2018
Poultry Feed	75,879
Beef Feed	404,023
Dairy Feed	142,908
Swine Feed	19,256
Sheep Feed	9,814
Goat Feed	4,368
Horse Feed	124,493
Rabbit Feed	3,573
Fish Feed	2,174
Deer Products	1,890
Milk Replacer	2,100
Mineral/Vitamin/Other	57,136
Wild Bird Food	16,665
Pet Food	206,334
Total	1,070,613

Table 8. Analytical variations for commercial feed samples (referenced in 12 KAR 2:021)

	Lower AV	Upper AV		Lower AV	Upper AV
Crude Protein	-3%	50%	Molybdenum	-40%	100%
NPN Equiv. Protein	-50%	20%	Selenium1	-40%	40%
Crude Fat	-20%	+5 units	Zinc1	-40%	200%
Acid Hydrolysis Fat	-20%	+5 units	Vitamin A	-30%	200%
Crude Fiber	-60%	15%	Ash		5%
Acid Detergent Fiber	-60%	15%	Moisture		12%
Neutral Detergent Fiber	-60%	15%	Amprolium	-40%	20%
Calcium1	-15%	+2 units	Apramycin	-20%	20%
Phosphorus1	-15%	+2 units	Bacitracin	-40%	40%
Salt	-40%	40%	Carbadox	-20%	20%
Sodium1	-30%	130%	Chlortetracycline	-30%	30%
Magnesium1	-40%	200%	Decoquinatate	-20%	20%
Potassium1	-30%	200%	Lasalocid	-25%	25%
Sulfur	-30%	30%	Monensin, Sodium	-30%	30%
Cobalt1	-40%	200%	Oxytetracycline	-30%	30%
Copper1	-40%	200%	Penicillin	-35%	35%
Iron1	-40%	200%	Tylosin	-30%	30%
Manganese1	-40%	200%			

¹Analytical variations listed for minerals do not apply to cat and dog complete foods formulated to meet Association of American Feed Control Officials (AAFCO) requirements. The tolerances are national standards set by AAFCO.

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 2018, the feed program collected a total of \$1,396,595 in inspection fees, registration fees, and late payment penalties.

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

Our division continues to encourage compliance by Kentucky feed distributors with the new VFD rules that went into

effect on January 1, 2017. The purpose of the FDA rule change was to promote the judicious use of antibiotics in animal agriculture. In addition to VFD inspections under our FDA contract, our inspectors routinely review and evaluate VFD records while visiting Kentucky firms. According to FDA, sales of medically important antibiotics (those under the VFD rules) dropped 33 percent in 2017 compared to 2016.

Changes in Sampling and Tonnage Reporting

Since the division implemented new software systems in 2015, we have tracked and reported feed samples and feed tonnage in a different format than in previous years. For Tables 1, 2, 3, and 5, 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 2018 obtained by field inspectors of feed ingredients, commercial feeds, and pet/specialty foods. Numbers and types of samples collected by our inspectors were similar to 2017 but a little lower overall. Pet and specialty foods continue to make up over 40 percent of all official samples collected. Pet treat sampling continues to increase to match the increase in distribution of these products in Kentucky. Beef, poultry, and equine feeds constitute more than 60 percent of our total livestock samples.

In addition to the official samples reported, our lab also analyzed 334 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. In 2018, our lab analyzed 130 service samples.

Corn Quality Survey

Each fall, our inspectors collect corn samples from elevators and feed mills as new crop corn makes its way into the market. Samples are tested for crude protein, moisture, and mycotoxins. As is the case in most years, no evidence was found of mycotoxin problems in this year's crop (Table 4). Crude protein averaged 6.9 percent on the 54 samples in this year's survey.

Feed Analysis

Analysis of nutrients and other components in feed samples are provided by our feed laboratory. The laboratory data is used to evaluate suitability of product labeling, feed quality, and absence of any contaminants or deleterious substances. Table 5 reports the number of feed analyses conducted on samples during 2018. Our sample report table by manufacturer or guarantor includes only official samples with guaranteed tests. However, results of

testing for non-guaranteed analytes are also listed in sample reports to provide more information to the manufacturer/guarantor.

Our lab conducted over 500 mycotoxin tests in 2018. The majority of these tests (about 60%) were conducted on corn samples that made up the corn quality survey. The other tests were on samples analyzed during investigations into product quality and/or animal health issues.

In late 2018, our lab added the capability to determine the presence of microbial contaminants, specifically listeria and salmonella. Initially, we will be looking for these two organisms in pet treats and pet foods.

Tonnage Distribution

Tables 6 and 7 use data collected from the Kentucky feed tonnage reports submitted by firms distributing feed products in the state. Table 6 reports ingredients, and Table 7 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 8 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 as a guide. Our AV table is referenced in our updated regulations (12 KAR 2:021).

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 case, the tolerances are national standards set by AAFCO.

Sampling Location Report

A new addition to this feed report is a listing of all Kentucky locations where inspectors collected samples in 2018 (Table 9). Samples were obtained at a total of 361 locations last year.

Sample Violation Report

The sample violation report for 2018 (Table 10) includes 2,923 official samples from 526 different manufacturers or guarantors. Overall, 79 percent of samples passed (no violations on any analytes) while 96 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.

Table 9. Report of Sampling Locations - 2018

Business Name	Sample # by Feed Type		
	Livestock & Ingredient	Pet & Speciality	Total
Adairville Feed Mill - Adairville, Adairville	4	0	4
Adairville Feed Mill #2 - Russellville, Russellville	25	5	30
ADM Alliance Nutrition, Campbellsville	16	2	18
AgWood, Inc., Mt Sterling	1	0	1
Akridge Farm Supply - Fredonia, Fredonia	2	0	2
Albany Building Center, Inc., Albany	3	0	3
ALDI - BOWLING GREEN, Bowling Green	0	16	16
Allen County Farmers Service, Inc., Scottsville	9	0	9
Anderson County Farm Service, Lawrenceburg	2	0	2
Arnold & Arnold Inc, Campbellsville	5	0	5
Ashland Milling Co, Ashland	5	0	5
Bagdad Roller Mills, Bagdad	33	0	33
BANKS MARKET, PADUCAH	0	2	2
Bardstown Mills, Inc., Bardstown	1	1	2
Barkstown Road - Bonnycastle Ave, Louisville	0	2	2
Barkstown Road - Frankfort Ave, Louisville	0	4	4
Barn Door Feed & Tack, Louisa	3	0	3
Benge Farm Supply, Inc., London	2	0	2
BERTS PET CENTER, Ashland	1	8	9
Big Lots - Morehead, Morehead	0	6	6
Big Lots - Somerset, Somerset	0	2	2
Big Lots #1089 - Paducah, Paducah	0	11	11
Blue Lake Feeds LLC, Hardin	4	0	4
Bluegrass Barkery - Old Todds, Lexington	0	6	6
Bluegrass Barkery - Tiverton Way, Lexington	0	19	19
Bluegrass Farm Supply, Marion	26	0	26
Bluegrass Feed & Supply LLC, Hustonville	4	0	4
Bluegrass Seed & Fertilizer, Inc., Bardstown	3	0	3
Bowling Feed & Hardware, Inc., Catlettsburg	1	0	1
Bowlin's Feed, Inc., Albany	3	1	4
Bratcher Custom Feed LLC, Crab Orchard	7	0	7
Brays Feed - Tyner, Tyner	3	0	3
Brodhead Farm Market, Brodhead	2	0	2
Brooksville Farm Supply, Brooksville	8	0	8
Brown-Forman Distillery, Louisville	1	0	1
Browns Farm & Equipment Inc, Barbourville	2	0	2
Buffalo Trace Distillery Inc, Frankfort	1	0	1
Burkesville Feed & Farm Supply, Burkesville	5	0	5
Burkman Feeds - Hardinsburg, Harned	24	0	24
Burkman Feeds - Bowling Green, Bowling Green	0	1	1
Burkman Feeds - Columbia, Columbia	11	0	11
Burkman Feeds - Edmonton, Edmonton	3	0	3
Burkman Feeds - Lebanon, Lebanon	5	0	5
Burkman Feeds - London, London	11	0	11
Burkman Feeds LLC - Danville, Danville	42	4	46
Burkman Feeds LLC - Glasgow mill, Glasgow	14	0	14
Burkman Feeds LLC - Glasgow store, Glasgow	3	0	3
By Products Solutions Inc., Lebanon	2	0	2
C3 Feed & Farm LLC, Bowling Green	6	1	7
CALHOUNS FARM & PET, MADISONVILLE	0	6	6
Calhouns Feed Service, Madisonville	14	0	14
Caneyville Milling Co, Caneyville	1	0	1
Cargill Animal Nutrition - Winchester plant, Winchester	36	1	37

Table 9. Report of Sampling Locations - 2018

Business Name	Sample # by Feed Type		
	Livestock & Ingredient	Pet & Speciality	Total
Caudill Seed - Morehead, Morehead	5	0	5
Cedar Valley Harness Shop, Hopkinsville	12	0	12
Central Farm Supply of KY, Inc., Louisville	10	5	15
Central Farmers Supply, Inc., Greensburg	5	0	5
Champion Petfoods USA Inc, Auburn	0	5	5
Clark's Grocery Feed & Seed, Rockholds	0	1	1
Clements AG Supply Inc, Springfield	8	0	8
Commonwealth Agri-Energy LLC, Hopkinsville	3	0	3
Connect Rental & Sales, Sharpsburg	6	0	6
Corbin Farm & Garden Center, Inc., Corbin	2	0	2
CPC Commodities LLC, Fountain Run	24	0	24
Crittenden Farm Lawn & Garden, Crittenden	6	1	7
Cub Run Milling, Cub Run	6	0	6
Custom Feed Mill LLC, Morganfield	31	0	31
Darling Ingredients Inc - Butler (Bakery), Butler	4	0	4
Darling Ingredients Inc - Henderson (Bakery), Henderson	2	0	2
Day & Day Feed Mill, Columbia	9	4	13
Dinovite Inc., Crittenden	1	7	8
Dixie Feed & Supply, Falmouth	5	1	6
Dollar General Market - Franklin, Franklin	0	11	11
Dollar General Market #13158 - Jamestown, JAMESTOWN	0	5	5
Dollar Mart - Corbin, Corbin	0	5	5
Dollar Tree - Somerset, SOMERSET	0	4	4
Drake's Farm Service, Inc., Morgantown	0	2	2
Dunhams Sports - Somerset, Somerset	1	1	2
Dunhams Sports #9171 - Ashland, Ashland	2	0	2
E & L PETS, MADISONVILLE	0	19	19
Equity Group KY Division, Franklin	25	0	25
Excel Equine, Louisville	21	0	21
Excel Equine - Shelbyville, Shelbyville	2	2	4
Fairview General Store, Campbellsville	5	0	5
Falder's - Mayfield, Mayfield	0	3	3
Family Dollar - Lancaster, Lancaster	0	2	2
Farm Ag Sales, LLC dba C & F Farm Supply, Knob Lick	1	0	1
Farmer & Sons, Barbourville	2	0	2
Farmers Choice Feed Mill, Kirksey	2	0	2
Farmers Feed Mills Inc, Lexington	21	0	21
Feeders Supply - Elizabethtown, ELIZABETHTOWN	1	14	15
Feeders Supply - Southland Dr., Lexington	0	11	11
Feeders Supply - Walton, Walton	0	4	4
Five Star Feed Services, Guthrie	17	0	17
Fleming County Farm Supply, Flemingsburg	8	0	8
Food Lion - Glasgow, GLASGOW	0	9	9
Food Lion - Scottsville, SCOTTSVILLE	0	21	21
Frank L Hinton & Son, Plummers Landing	10	0	10
Frazier's Farmer Supply Co., Inc., Whitesburg	2	0	2
Fred's Dollar - Burksville, Burksville	0	6	6
Fred's Inc - Munfordville, MUNFORDVILLE	0	9	9
Fred's Inc - Murray, MURRAY	0	15	15
Fresh Start Growers Supply, Louisville	1	0	1
GABBI'S BOUTIQUE, HENDERSON	0	31	31
Gander Outdoors - Paducah, Paducah	0	1	1
GHC Milling Co, Fordsville	10	0	10

Table 9. Report of Sampling Locations - 2018

Business Name	Sample # by Feed Type		
	Livestock & Ingredient	Pet & Speciality	Total
Gilliam's Farm Supply, Olive Hill	6	0	6
Glo Marr Products, Lawrenceburg	0	1	1
Globe Farm Store, Olive Hill	5	0	5
Golden Rod Feeds, Liberty	11	0	11
Gordon's True Value Hardware, Philpot	5	0	5
Green River Feed Mill Inc, Morgantown	15	0	15
H & G Limestone/Eddyville, Eddyville	1	0	1
Hall's Feed and Farm, Nicholasville	3	0	3
Hardin County Milling Co Inc, Elizabethtown	3	0	3
Harper's Verona Feed and More, Verona	3	0	3
Hays Feed & Seed LLC, Smiths Grove	6	0	6
Heartbreak Ridge Farm Supply, Clay City	3	1	4
Hilander Feed Inc, Georgetown	4	0	4
Hinton Mills at Cynthiana, Cynthiana	11	0	11
Hollywood Feed - Lexington, Lexington	1	25	26
Hometown IGA - Somerset, Somerset	0	5	5
HOOF N PAW PET SUPPLY, RICHMOND	0	21	21
Hoover Feed Mill, Scottsville	12	0	12
HOPKINSVILLE ELEVATOR, RUSSELLVILLE	3	0	3
Hopkinsville Elevator - Auburn, Auburn	5	0	5
Howe Farm Supply Inc, Vanceburg	2	0	2
Ideal Farm Supply, Walton	2	0	2
Integrity Feeds LLC - Hardin, Hardin	2	0	2
J & H Feed & Tack Inc, Paintsville	10	2	12
J. A. Oldfield & Son, Inc., Mize	4	0	4
J.H. Fedders - Covington, Covington	0	9	9
Jabetown Mill, Ewing	12	0	12
Jackson County Farm Service, McKee	3	0	3
Janes Fertilizer & Farm Supply, Columbia	1	0	1
JBS USA - Louisville, Louisville	2	0	2
Jeffries Feed Seed & Supply Inc, Campbellsville	4	0	4
Jim Beam Brands Co - Clermont, Clermont	1	0	1
Jones Farm & Garden Supply, Whitley City	6	0	6
JT Enterprises, Jenkins	3	0	3
Just Barked, Bardstown	0	3	3
K & M Feed & Farm LTD, Alexandria	0	2	2
Kee's Farm Service & Supply, LLC., Grayson	7	1	8
Ken's Value Center, Berry	9	0	9
Kentucky Nutrition Service Inc, Lawrenceburg	8	0	8
Kentucky Organic Farm and Feed Inc, Guthrie	9	0	9
Kevil Crop Service dba Rudys Farm Center, Kevil	4	0	4
K-mart - Russell Springs, Russell Springs	0	12	12
Kroger - Elizabethtown, ELIZABETHTOWN	0	15	15
Kroger - Murray, MURRAY	0	4	4
Kroger - Paducah, PADUCAH	0	14	14
Kroger #767 - Beaumont Lexington, Lexington	0	4	4
Kroger #900 - Russell Springs, Russell Springs	0	19	19
Kroger Marketplace - Somerset, SOMERSET	0	35	35
Lake Cumberland Farmers Coop., Monticello	10	0	10
Lake Cumberland Feed & Farm Supply, LLC, Russell Springs	4	0	4
Lester J Stutzman Feed Mill, Marion	7	1	8
Lone Star Farm & Home, Mt. Vernon	3	0	3
Longs Pic-Pac Galaxy Supermarket, Pineville	1	8	9

Table 9. Report of Sampling Locations - 2018

Business Name	Sample # by Feed Type		
	Livestock & Ingredient	Pet & Speciality	Total
LUCKY DOGS, MADISONVILLE	0	12	12
Luttrull Feeds, Inc., Pembroke	14	3	17
Lyon Feed Of West Liberty, West Liberty	2	0	2
Marion Feed Mill, Marion	24	1	25
Marrowbone Community Market, Burksville	0	6	6
Marshall County Coop, Benton	15	11	26
Mays Lick Mill, Mayslick	25	0	25
Mazelin Feed Mill, Scottsville	24	0	24
McCaughey Brothers Inc, Versailles	16	0	16
McRay Feed LLC, Harrodsburg	22	0	22
Meijer #168 - Cold Spring, Cold Spring	0	9	9
Meijer #288 - Owensboro , Owensboro	0	9	9
Menards #3290 - Owensboro, Owensboro	0	27	27
Menifee County Farm Supply, Frenchburg	6	2	8
Metzgers Country Store, Simpsonville	2	12	14
MFS Alliance Inc, Edmonton	2	0	2
Mighty Dollar - Russell Springs, RUSSELL SPRINGS	0	3	3
MOST VALUABLE PETS, Lexington	0	7	7
Myers Feed & Farm Supply, Corinth	8	0	8
Nancy Supply Company, Nancy	2	0	2
Nationwide Fence & Farmers Supply, Smithfield	3	0	3
Nutrien Ag Solutions - Campbellsville, Campbellsville	1	0	1
Odom's Livestock Supply, Inc., Mayfield	13	1	14
Orscheln Farm & Home - Murray, Murray	6	5	11
Owensboro Grain Co LLC, Owensboro	8	0	8
OZ Tyler Distillery, Owensboro	2	0	2
Peck's Farm Supply, LLC - N Middletown, North Middletown	10	0	10
Peck's Farm Supply, LLC - Sharpsburg, Sharpsburg	10	0	10
Perdue Farms Inc, Livermore	13	0	13
Performance Feed & Grain - Monticello, Monticello	13	0	13
Performance Feeds - Caneyville, Caneyville	4	1	5
Performance Feeds - Lancaster, Lancaster	19	0	19
Perkins Meat & Feed Store, Pine Knot	1	0	1
Pet Food Center - Paducah, Paducah	1	4	5
Pet Supermarket - Lexington, Lexington	0	15	15
Pet Supplies Plus - Fort Mitchell, Fort Mitchell	0	4	4
Pet Supplies Plus - Independence, Independence	1	15	16
Pet Valu - Cold Spring, COLD SPRING	0	7	7
Pet Valu - Frankfort, Frankfort	0	9	9
Pet Valu - Maysville, Maysville	0	6	6
Pet Valu - Palomar, Lexington	0	11	11
Pet Wants - Fort Mitchell, Fort Mitchell	0	1	1
Pet Wants - Fort Thomas, Fort Thomas	0	9	9
Pet Wants (KY Central) , Williamstown	0	8	8
Petco - Bowling Green, Bowling Green	0	32	32
Petco - Louisville, Louisville	0	3	3
Petco - Pikeville, Pikeville	1	10	11
Petco - Versailles, VERSAILLES	0	4	4
Petland - Ashland, Ashland	0	5	5
Petland - Florence, Florence	0	2	2
Petsense - Danville, Danville	0	18	18
Petsense - Georgetown, Georgetown	0	13	13
Petsense - Glasgow, GLASGOW	0	15	15

Table 9. Report of Sampling Locations - 2018

Business Name	Sample # by Feed Type		
	Livestock & Ingredient	Pet & Speciality	Total
Petsense - Hopkinsville, Hopkinsville	0	25	25
Petsense - London, LONDON	0	13	13
Petsense - Mayfield, Mayfield	0	13	13
Petsense - Middlesboro, Middlesboro	0	15	15
Petsense - Murray, MURRAY	0	23	23
Petsense - Somerset, SOMERSET	0	2	2
Petsmart - Bowling Green, Bowling Green	0	16	16
Petsmart - Florence, FLORENCE	0	6	6
Petsmart - Hurstbourne Louisville, Louisville	0	12	12
Petsmart - Paducah, PADUCAH	0	18	18
Petsmart - Pavillion Way Lexington, Lexington	0	4	4
Petsmart - Richmond, RICHMOND	0	34	34
Petsmart - Westport Rd Louisville, Louisville	0	9	9
Petsmart #1968 - Owensboro, OWENSBORO	0	25	25
Petsmart #2344 - Newport, Newport	1	18	19
Petsmart #2384 - Ashland, Ashland	0	10	10
Petsmart #2760 - Hopkinsville, Hopkinsville	0	31	31
Phelps Farm & Home Service, Paducah	0	2	2
Piggly Wiggly - Franklin, FRANKLIN	0	6	6
Pilgrims Pride Corp, Mayfield	16	0	16
Planet Pet - Newport, Newport	1	10	11
Pleasant View Agri-Service, Auburn	2	0	2
Poor Boy's Produce & Feed, Salyersville	1	0	1
Potter's Ace Home Center, Burksville	0	4	4
Prewitt Farm Supply, Inc., Williamsburg	3	0	3
Priceless IGA - Russellville Rd, Bowling Green	0	4	4
Pro Ag Sales & Services, Danville	6	0	6
Pro Solutions - Crofton, Crofton	2	1	3
Pro Solutions - Hopkinsville, Hopkinsville	2	0	2
Process Managers LLC, Winchester	1	1	2
Quality Feeds Inc, Versailles	0	3	3
Rick's Farm Center, LLC, Port Royal	6	0	6
Ridley Block Operations Inc, Flemingsburg	24	0	24
Rip's Farm Center - Tollesboro, Tollesboro	30	0	30
Rip's Farm Center - Wrigley, Wrigley	16	0	16
River Valley Animal Foods Tyson, Robards	5	0	5
Roses - Somerset, Somerset	0	4	4
Rural King Supply - Ashland, Ashland	1	1	2
Rural King Supply - Maysville, Maysville	7	0	7
Rural King Supply - Paducah, Paducah	2	22	24
Rural King Supply - Pikeville, Pikeville	7	0	7
Rural King Supply - Radcliff Elizabethtown , Elizabethtown	0	13	13
Rural King Supply - Shelbyville, Shelbyville	7	3	10
Rural King Supply #12 - Owensboro, Owensboro	0	13	13
Russell County Feed Mill Inc, Russell Springs	13	0	13
Sam's Club #4876 - Bowling Green, Bowling Green	0	5	5
Saul Good Outdoor Products, Tollesboro	0	2	2
Save-A-Lot - Bowling Green, Bowling Green	0	6	6
Science Hill Milling Co, Science Hill	10	3	13
Seventy Feeds LLC, Eubank	6	3	9
Shopko #729 - Brandenburg, BRANDENBURG	0	8	8
Shucks Fence Co, Inc., Shelbyville	3	0	3
Sligo Feed Mill, Pendleton	9	5	14

Table 9. Report of Sampling Locations - 2018

Business Name	Sample # by Feed Type		
	Livestock & Ingredient	Pet & Speciality	Total
Southern Barker, Lexington	0	1	1
Southern States - Alexandria, Alexandria	9	0	9
Southern States - Bowling Green, Bowling Green	6	0	6
Southern States - Campbellsville, Campbellsville	2	0	2
Southern States - Carlisle, Carlisle	7	0	7
Southern States - Cynthiana, Cynthiana	9	3	12
Southern States - Danville, Danville	1	0	1
Southern States - Eminence, Eminence	2	0	2
Southern States - Flemingsburg, Flemingsburg	14	0	14
Southern States - Frankfort, Frankfort	2	0	2
Southern States - Franklin, Franklin	2	0	2
Southern States - Georgetown, Georgetown	5	0	5
Southern States - Hardinsburg, Hardinsburg	6	0	6
Southern States - Harrodsburg, Harrodsburg	1	0	1
Southern States - Hopkinsville, Hopkinsville	4	1	5
Southern States - Liberty, Liberty	2	0	2
Southern States - London, London	8	0	8
Southern States - Maysville, Maysville	14	0	14
Southern States - Owenton, Owenton	7	0	7
Southern States - Owingsville, Owingsville	6	0	6
Southern States - Paris, Paris	7	0	7
Southern States - Richmond, Richmond	3	0	3
Southern States - Somerset, Somerset	10	0	10
Steel's Bottom Feed, Warsaw	8	0	8
Stephens Farm Supply, Inc., Olive Hill	6	0	6
Stockdale's, Bowling Green	5	7	12
Sun Valley Feed Mill Inc, Brownsville	2	0	2
Sunny Pastures Feed, Harrodsburg	3	0	3
Super Dollar Food Center - Barbourville, Barbourville	0	9	9
T & H Feed Service, Inc., Lebanon	7	1	8
T & T Feed and Seed, Bardstown	2	0	2
Tacketts Market, Virgie	3	0	3
Teds Feed Store, Middlesboro	3	0	3
The Hyland Company Inc, Ashland	10	12	22
Thompson & Nash, Inc., Shelbyville	0	2	2
Tomahawk Transport, Salyersville	3	0	3
Tractor Supply Company #1212 - Paris, Paris	3	0	3
Tractor Supply Company #1265 - Pikeville, Pikeville	0	2	2
Tractor Supply Company #1296 - Morehead, Morehead	3	0	3
Tractor Supply Company #1298 - LaGrange, LaGrange	7	2	9
Tractor Supply Company #1301 - Paintsville, Paintsville	2	0	2
Tractor Supply Company #1387 - Hazard, Hazard	2	1	3
Tractor Supply Company #1392 - Alexandria, Alexandria	3	1	4
Tractor Supply Company #1429 - Columbia, Columbia	1	0	1
Tractor Supply Company #1442 - Murray, Murray	6	1	7
Tractor Supply Company #1460 - Cynthiana, Cynthiana	2	1	3
Tractor Supply Company #1519 - Grayson, Grayson	2	0	2
Tractor Supply Company #1561 - Williamsburg, Williamsburg	1	0	1
Tractor Supply Company #1577 - South Williamson, South Williamson	3	1	4
Tractor Supply Company #184 - Paducah, Paducah	2	0	2
Tractor Supply Company #1957 - Owensboro, Owensboro	11	4	15
Tractor Supply Company #2021 - Liberty, Liberty	4	0	4

Table 9. Report of Sampling Locations - 2018

Business Name	Sample # by Feed Type		
	Livestock & Ingredient	Pet & Speciality	Total
Tractor Supply Company #2022 - Munfordville, Munfordville	0	5	5
Tractor Supply Company #2023 - Scottsville, Scottsville	1	1	2
Tractor Supply Company #2216 - Barbourville, Barbourville	2	0	2
Tractor Supply Company #248 - Glasgow, Glasgow	0	12	12
Tractor Supply Company #394 - Florence, Florence	2	0	2
Tractor Supply Company #405 - Somerset, Somerset	1	0	1
Tractor Supply Company #416 - Campbellsville, Campbellsville	1	0	1
Tractor Supply Company #489 - Shelbyville, Shelbyville	4	0	4
Tractor Supply Company #601 - Franklin, Franklin	0	2	2
Tractor Supply Company #626 - Bardstown, Bardstown	2	0	2
Tractor Supply Company #627 - Louisville, Louisville	2	0	2
Tractor Supply Company #628 - London, London	2	0	2
Tractor Supply Company #705 - Hopkinsville, Hopkinsville	3	0	3
Tractor Supply Company #719 - Mayfield, Mayfield	9	0	9
Tractor Supply Company #749 - Williamstown, Williamstown	3	0	3
Trader Joe's - Lexington, Lexington	0	10	10
Tri-County Fertilizer Co., Inc., Richmond	10	0	10
Trigg County Cattleman Association, Cadiz	8	0	8
TYSON FOODS FEED MILL, Sebree	31	0	31
United Livestock Commodities, Mayfield	9	0	9
Valley Farm Center Inc, Monticello	3	1	4
Walmart #1048 - Williamsburg, Williamsburg	3	0	3
Walmart #1113 - London, London	1	14	15
Walmart #1234 - Monticello, Monticello	0	2	2
Walmart #1247 - Hazard, Hazard	0	1	1
Walmart #1505 - Pikeville, Pikeville	0	1	1
Walmart #282 - Franklin, Franklin	0	1	1
Walmart #507 - Lawrenceburg, Lawrenceburg	5	9	14
Walmart #519 - Harrodsburg, Harrodsburg	0	5	5
Walmart #655 - Hanson, Madisonville	0	7	7
Walmart #665 - Campbellsville, Campbellsville	0	1	1
Walmart #694 - Henderson, Henderson	1	8	9
Walmart #825 - Stanford, Stanford	0	5	5
Warner Fertilizer - Liberty, Liberty	3	0	3
Warner Fertilizer - Monticello, Monticello	5	0	5
Warner Fertilizer - Nancy, Nancy	3	3	6
Webb's Feed and Tack, Betsy Lane	2	0	2
Whitestone Feeds - Owensboro, Owensboro	1	0	1
Whole Foods Market - Lexington, Lexington	0	15	15
Willard Milling, Inc., Willard	23	7	30
Winchester Feeds Inc, Winchester	7	0	7
WOLF CREEK NATL FISH HATCHERY, JAMESTOWN	6	0	6
Woodford Feed Co Inc, Versailles	13	0	13
Yoders Feed & Supply, Russellville	12	3	15
Totals	1693	1334	3027

Table 10. Report of Official Feed Samples Analyzed - 2018

Business Name	Samples			Tests			Sample Violations
	Total	No. Passed	% Passed	Total	No. Passed	% Passed	
21ST CENTURY PET NUTRITION, TEMPE, AZ	1	1	100%	4	4	100%	
AC NUTRITION, WINTERS, TX	1	1	100%	9	9	100%	
Adairville Feed Mill - Adairville, Adairville, KY	4	3	75%	20	19	95%	C Protein (1)
Adairville Feed Mill #2 - Russellville, Russellville, KY	16	10	63%	87	81	93%	C Protein (2) C Fiber (1) Ca (1) Salt (1) Se (1)
ADM (SOY PROCESSING), FRANKFORT, IN	1	1	100%	2	2	100%	
ADM ALLIANCE NUTRITION INC, QUINCY, IL	17	16	94%	156	155	99%	Fat (1)
ADM CORN PROCESSING/J ARCHER, DECATUR, IL	2	2	100%	4	4	100%	
AGRI-KING, INC., FULTON, IL	2	2	100%	10	10	100%	
AINSWORTH PET NUTRITION, MEADVILLE, PA	11	10	91%	114	113	99%	P (1)
ALASKA NATURALS PET PRODUCTS, BELLINGHAM, WA	1	1	100%	1	1	100%	
Albany Building Center, Inc., Albany, KY	1	0	0%	8	7	88%	P (1)
ALDI INC, BATAVIA, IL	11	9	82%	126	124	98%	C Protein (1) P (1)
Allen County Farmers Service, Inc., Scottsville, KY	9	9	100%	44	44	100%	
Alltech Inc - Nicholasville, Nicholasville, KY	1	1	100%	4	4	100%	
ALMO NATURE USA INC, MIAMI, FL	3	3	100%	8	8	100%	
AMERICAN HEALTH KENNELS INC, POMPANO BEACH, FL	1	1	100%	2	2	100%	
AMERICAN PET NUTRITION INC, OGDEN, UT	10	9	90%	106	105	99%	Ca:P (1)
AMERICAN TUNA INC, BONITA, CA	1	0	0%	13	9	69%	AH Fat (1) Ca (1) Mn (1) Zn (1)
Anderson County Farm Service, Inc., Lawrenceburg, KY	2	1	50%	9	7	78%	Ca (1) P (1)
ANI-LOGICS OUTDOORS LLC, WORTHINGTON, MN	2	1	50%	17	16	94%	Vit A (1)
ANTLER KING TROPHY PRODUCTS, INC., BLACK RIVER FALLS, WI	1	1	100%	9	9	100%	
ARCHER DANIEL MIDLAND CO, DECATUR, IL	4	4	100%	11	11	100%	
ARCTIC PAWS, ANCHORAGE, AK	1	1	100%	2	2	100%	
ARK NATURALS, NAPLES, FL	2	1	50%	4	3	75%	C Protein (1)
ARMADA GRAIN CO, Armada, MI	2	1	50%	24	23	96%	C Protein (1)
Arnold Feed & Seed, Campbellsville, KY	2	0	0%	12	9	75%	C Protein (2) AD Fiber (1)
ARTHUR DOGSWELL LLC, LOS ANGELES, CA	3	2	67%	6	5	83%	C Protein (1)
ARTHUR PET PRODUCTS, SALISBURY, MD	7	6	86%	14	13	93%	C Protein (1)
Ashland Milling Company, Inc., Ashland, KY	4	3	75%	21	19	90%	C Protein (1) Fat (1)
ASSOC WHOLE GROC, KANSAS CITY, KS	10	8	80%	106	104	98%	Ca (2)
AUTHORITY PET FOOD CO, PHOENIX, AZ	15	14	93%	168	167	99%	Vit A (1)
B&R Pet Treats Co., Denver, CO	1	1	100%	2	2	100%	
Bagdad Roller Mills, Inc., Bagdad, KY	33	24	73%	196	187	95%	C Protein (6) P (1) Cu (1) Monensin (1)
Bagel House LLC, Lake Zurich, IL	1	0	0%	2	1	50%	AH Fat (1)
Bardstown Mills, Inc., Bardstown, KY	8	2	25%	47	34	72%	C Protein (5) Ca (4) P (4)
BARE-IT-ALL PETFOODS, CHICAGO, IL	1	1	100%	2	2	100%	
BARTLETT MILLING COMPANY, STATESVILLE, NC	1	0	0%	10	8	80%	Ca (1) Se (1)
Barton Brands Ltd, Bardstown, KY	3	0	0%	8	5	63%	C Protein (3)
BARTON KIEFER & ASSOCIATES LLC, MANSFIELD, OH	1	1	100%	6	6	100%	

Table 10. Report of Official Feed Samples Analyzed - 2018

Business Name	Samples			Tests			Sample Violations
	Total	No. Passed	% Passed	Total	No. Passed	% Passed	
BB USA Inc., Mississauga, ON	1	0	0%	8	6	75%	C Protein (1) Mg (1)
Bear Branch Feed, Dillsboro, IN	1	1	100%	8	8	100%	
BEARS BONE BAKERY, EVANSVILLE, IN	1	1	100%	2	2	100%	
Beaumont Rice Mills Inc, Beaumont, TX	1	1	100%	1	1	100%	
BELL ROCK GROWER INC, SAN MARCOS, CA	1	1	100%	2	2	100%	
BENCH & FIELD PET FOODS LLC, MISKAWAKA, IN	2	2	100%	24	24	100%	
BETSY FARMS, EAGLE, ID	3	3	100%	6	6	100%	
BIG & J INDUSTRIES INC, GRAND ISLAND, NE	1	0	0%	4	3	75%	Ca (1)
BIG HEART PET BRANDS/DEL MONTE, PITTSBURGH, PA	18	18	100%	144	144	100%	
BIL JAC FOODS INC, MEDINA, OH	1	1	100%	13	13	100%	
BIOZYME INCORPORATED, ST JOSEPH, MO	5	5	100%	55	55	100%	
BIRDOLA PRODUCTS, BLACKSBURG, VA	1	1	100%	2	2	100%	
BIXBI PET, BOULDER, CO	5	1	20%	32	25	78%	C Protein (3) Ca (1) P (2) Cu (1)
BLOOMINGTON SPECIALTY PRODUCTS, BLOOMINGTON, IN	1	1	100%	1	1	100%	
BLUE BUFFALO CO LTD, WILTON, CT	23	22	96%	175	174	99%	Ca:P (1)
BLUE DOG BAKERY, SEATTLE, WA	1	1	100%	2	2	100%	
Bluegrass Barkery - Shaker Run, Lexington, KY	2	2	100%	4	4	100%	
Bluegrass Farm Supply, Marion, KY	21	18	86%	128	125	98%	C Protein (1) Zn (1) Vit A (1)
Bluegrass Feed & Supply LLC, Hustonville, KY	5	3	60%	26	24	92%	C Protein (2)
Bluegrass Seed & Fertilizer, Inc., Bardstown, KY	3	3	100%	10	10	100%	
Bocce's Bakery, Brooklyn, NY	2	2	100%	4	4	100%	
BOSCO & ROXYS INC, LONDON, ON	1	1	100%	2	2	100%	
BOSTON TREAT HOUSE, Boyton Beach, FL	2	0	0%	4	2	50%	C Protein (2)
Bowlin's Feed, Inc., Albany, KY	3	3	100%	23	23	100%	
BOWMAN MILLING, POCAHONTAS, MO	1	1	100%	2	2	100%	
Bratcher Custom Feed LLC, Crab Orchard, KY	4	2	50%	22	19	86%	C Protein (1) Ca (1) Se (1)
Brodhead Farm Market, Brodhead, KY	2	2	100%	13	13	100%	
Brooksville Farm Supply, Brooksville, KY	6	5	83%	36	35	97%	C Protein (1)
Brown-Forman Distillery, Louisville, KY	2	2	100%	6	6	100%	
Buckhannon Coop, Buckhannon, WV	1	1	100%	7	7	100%	
BUCKLEY BROS INC, WILMINGTON, OH	2	2	100%	14	14	100%	
Buddy Biscuits, Chesterfield, MO	1	1	100%	2	2	100%	
BUDDY'S KITCHEN, AURORA, ON	1	1	100%	2	2	100%	
Buffalo Trace Distillery Inc, Frankfort, KY	1	1	100%	3	3	100%	
BUNGE MILLING - DANVILLE, DANVILLE, IL	3	3	100%	9	9	100%	
BUNGE NA (EAST) LLC - MORRISTOWN, MORRISTOWN, IN	4	4	100%	8	8	100%	
BUNGE NA INC - CAIRO, CAIRO, IL	6	2	33%	13	7	54%	C Protein (2) C Fiber (4)
Burkman Feeds - Bowling Green, Bowling Green, KY	5	5	100%	22	22	100%	
Burkman Feeds - Columbia, Columbia, KY	5	2	40%	32	29	91%	C Protein (2) Salt (1)
Burkman Feeds - Edmonton, Edmonton, KY	3	1	33%	26	22	85%	C Protein (2) Ca (1) P (1)

Table 10. Report of Official Feed Samples Analyzed - 2018

Business Name	Samples			Tests			Sample Violations
	Total	No. Passed	% Passed	Total	No. Passed	% Passed	
Burkman Feeds - Hardinsburg, Harned, KY	13	8	62%	60	52	87%	C Protein (3) C Fiber (1) Salt (1) Cu (2) Se (1)
Burkman Feeds - London, London, KY	9	3	33%	46	35	76%	C Protein (5) Fat (1) Ca (3) P (2)
Burkman Feeds LLC - Danville, Danville, KY	56	46	82%	446	433	97%	C Protein (2) Ca (1) P (2) Salt (1) Mg (1) Se (1) Vit A (4) CTC (1)
Burkman Feeds LLC - Glasgow, Glasgow, KY	14	11	79%	62	59	95%	C Protein (3)
BUSCH AGRICULTURAL RESOURCES, JONESBORO, AR	1	1	100%	3	3	100%	
By Products Solutions Inc., Lebanon, KY	1	1	100%	5	5	100%	
C3 Feed & Farm LLC, Bowling Green, KY	5	4	80%	26	25	96%	C Protein (1)
Calhoun's Feed Service, Madisonville, KY	1	1	100%	3	3	100%	
Caneyville Milling Co, Caneyville, KY	21	17	81%	94	90	96%	C Protein (2) NPN (1) Salt (1)
CANIDAE CORPORATION, NORCO, CA	8	6	75%	86	83	97%	Ca (1) P (1) Zn (1)
Canna-Pet, Seattle, WA	1	1	100%	1	1	100%	
CARDINAL LABORATORIES INC, AZUSA, CA	4	4	100%	8	8	100%	
CARGILL ANIMAL NUTRITION, MINNEAPOLIS, MN	117	91	78%	1004	972	97%	C Protein (16) NPN (2) Fat (1) Ca (1) P (1) Cu (1) Se (1) Na (3) S (1) Vit A (3) BMD (1) CTC (1)
CARGILL DRY CORN INGREDIENTS, PARIS, IL	1	1	100%	3	3	100%	
CARGILL INCORPORATED, MINNEAPOLIS, MN	4	4	100%	14	14	100%	
Carna4 Inc, Toronto, ON	2	0	0%	18	9	50%	C Protein (2) AH Fat (1) Ca (2) P (2) Na (1) Zn (1)
CARNIVORE MEAT CO LLC, GREEN BAY, WI	3	0	0%	24	17	71%	C Protein (1) AH Fat (1) Ca (1) P (1) Cu (1) Mn (2)
CAROLINA PRIME PET, LENOIR, NC	1	1	100%	2	2	100%	
CASTOR & POLLUX PET WORKS, AMARILLO, TX	9	5	56%	104	100	96%	C Protein (1) AH Fat (1) Ash (2)

Table 10. Report of Official Feed Samples Analyzed - 2018

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	Total	No. Passed	% Passed	Total	No. Passed	% Passed	
Cavalor-Versella Laga, Dalton, GA	1	1	100%	9	9	100%	
CENTRAL FARM & GARDEN, WOOSTER, OH	2	2	100%	4	4	100%	
Central Farm Supply of KY, Inc., Louisville, KY	22	17	77%	183	177	97%	C Protein (2) P (1) Se (2) Vit A (1)
Central Farmers Supply, Inc., Greensburg, KY	5	2	40%	30	27	90%	C Protein (2) Salt (1)
Champion Petfoods USA Inc, Auburn, KY	8	8	100%	87	87	100%	
CHARLEE BEAR FARMS INC, ST FRANCIS, WI	5	5	100%	10	10	100%	
Chasing Our Tails Inc., Hudson, NY	1	0	0%	2	1	50%	Moisture (1)
CHICKEN SOUP/PET LOVER'S SOUL, COS COB, CT	5	4	80%	63	62	98%	P (1)
CHS INC, INVER GROVE HEIGHTS, MN	4	4	100%	13	13	100%	
Church & Dwight, Princeton, NJ	2	2	100%	4	4	100%	
Clark's Grocery Feed & Seed, Rockholds, KY	3	3	100%	16	16	100%	
Claudia's Canine Bakery, Maumelle, AR	11	10	91%	22	21	95%	C Protein (1)
Clements AG Supply Inc, Springfield, KY	8	7	88%	41	40	98%	C Protein (1)
CLOUD STAR, SAN LUIS OBISPO, CA	2	1	50%	4	3	75%	AH Fat (1)
COBALT INTERNATIONAL, ROCK HILL, SC	2	1	50%	6	5	83%	C Protein (1)
Commonwealth Agri-Energy LLC, Hopkinsville, KY	3	3	100%	12	12	100%	
CONSOLIDATED GRAIN & BARGE, MT VERNON, IN	10	8	80%	23	21	91%	C Protein (2)
CONSUMERS SUPPLY DISTRIBUTING, NORTH SIOUX CITY, SD	4	4	100%	34	34	100%	
Correct Foods, Inc., Cynthia, KY	1	1	100%	13	13	100%	
COUNTRY ACRES FEED CO INC, BRENTWOOD, MO	5	4	80%	28	27	96%	Salt (1)
CPC Commodities LLC, Fountain Run, KY	62	47	76%	509	490	96%	C Protein (8) NPN (1) Salt (2) Co (1) Vit A (5) Monensin (2)
Cub Run Milling, Cub Run, KY	2	0	0%	10	8	80%	C Protein (1) Zn (1)
CULLMAN BLEND MILL, CULLMAN, AL	5	5	100%	15	15	100%	
Custom Feed Mill LLC, Morganfield, KY	4	4	100%	26	26	100%	
D & D COMMODITIES, STEPHEN, MN	2	2	100%	4	4	100%	
DAD'S PET CARE INC, MEADVILLE, PA	1	1	100%	13	13	100%	
DARLING INTERNATIONAL INC, IRVING, TX	18	16	89%	35	33	94%	C Protein (1) Fat (1)
DAVE'S PET FOOD, AGAWAM, MA	3	3	100%	38	38	100%	
Day & Day Feed Mill, Columbia, KY	5	4	80%	28	27	96%	Ca (1)
Deepwater Aquatics, Orlando, FL	3	3	100%	8	8	100%	
DEER CRACK LLC, HARTLAND, MI	1	1	100%	3	3	100%	
Del Monte Pet Products, San Francisco, CA	1	1	100%	13	13	100%	
Devenish Nutrition LLC, Fairmont, MN	1	1	100%	6	6	100%	
DIAMOND PET FOODS CO, META, MO	7	7	100%	78	78	100%	
DICK VAN PATTEN'S, BURBANK, CA	7	6	86%	77	75	97%	Ca (1) P (1)
Dinovite Inc., Crittenden, KY	8	8	100%	19	19	100%	
Dixie Feed & Supply, Falmouth, KY	3	1	33%	17	15	88%	Cu (2)
DOGGY DELIRIOUS, MONROE, WA	1	1	100%	2	2	100%	
DOLGENCORP LLC, GOODLETTSVILLE, TN	11	11	100%	126	126	100%	
Don's Dairy Supply Inc., South Kortright, NY	1	0	0%	13	11	85%	C Protein (1) Se (1)
DRK Products LLC, Greeley, CO	3	2	67%	14	12	86%	C Protein (1) Ca (1)
DURVET INC, BLUE SPRINGS, MO	1	0	0%	2	1	50%	Ash (1)

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DZA BRANDS LLC, SALISBURY, NC	5	3	60%	53	51	96%	P (1) Ca:P (1)
EARTH ANIMAL, WESTPORT, CT	1	1	100%	2	2	100%	
Eggland's Best, LLC, Malvern, PA	4	2	50%	46	44	96%	C Protein (1) Fe (1)
EQUUS MAGNIFICUS, White Bear Lake, MN	1	0	0%	3	1	33%	Fat (1) Ash (1)
EST LLC, COVINGTON, GA	1	0	0%	2	0	0%	C Protein (1) Fat (1)
ETTA SAYS LLC, MARYLAND HEIGHTS, MO	1	1	100%	2	2	100%	
EVANGERS DOG & CAT FOOD CO INC, WHEELING, IL	2	1	50%	16	11	69%	Ca (1) P (1) Cu (1) Na (1) Zn (1)
EVOLVED HABITATS, NEW ROADS, LA	2	1	50%	11	10	91%	Se (1)
Excel Equine, Louisville, KY	16	14	88%	118	116	98%	C Protein (1) Fat (1)
EXCLUSIVELY PET INC, MILWAUKEE, WI	1	1	100%	2	2	100%	
EXL MILLING LTD, LLOYDMINSTER, SK	1	1	100%	4	4	100%	
F L EMMERT COMPANY INC, CINCINNATI, OH	2	2	100%	8	8	100%	
F M BROWNS SONS INC, SINKING SPRING, PA	2	2	100%	9	9	100%	
FAITHWAY FEED CO INC, GUNTERSVILLE, AL	7	4	57%	70	65	93%	Ca (2) P (3)
FAMILY DOLLAR SERVICES, CHARLOTTE, NC	2	2	100%	26	26	100%	
Farmers Choice Feed Mill, Kirksey, KY	2	0	0%	12	10	83%	Ca (1) Salt (1)
Farmers Feed Mills Inc, Lexington, KY	19	18	95%	135	134	99%	C Fiber (1)
FARNAM CO - HORSE PRODUCTS DIVISION, PHOENIX, AZ	1	0	0%	14	13	93%	Vit A (1)
Federated Foods Inc., Arlington Heights, IL	3	2	67%	26	25	96%	C Protein (1)
FEED PRODUCTS & SERVICE CO, ST LOUIS, MO	2	2	100%	4	4	100%	
Feeders Supply - Baxter Ave, Louisville, KY	3	3	100%	11	11	100%	
FETCH - FOR COOL PETS, NEW YORK, NY	1	0	0%	2	0	0%	C Protein (1) AH Fat (1)
Five Star Feed Services, Guthrie, KY	8	2	25%	66	56	85%	C Protein (2) P (1) Mg (2) Se (1) Na (1) Vit A (2) Monensin (1)
FLUKER FARMS INC, PORT ALLEN, LA	2	2	100%	6	6	100%	
Foodhold USA, LLC, Landover, MD	4	3	75%	26	25	96%	C Protein (1)
FOPPERS PET TREAT BAKERY, LOGANSPOUT, IN	2	2	100%	4	4	100%	
FORMAX FEEDS, DANVILLE, KY	23	22	96%	172	171	99%	Se (1)
Frank L Hinton & Son, Plummers Landing, KY	39	26	67%	259	246	95%	C Protein (11) AD Fiber (1) Vit A (1)
FREDS INC, MEMPHIS, TN	7	6	86%	70	68	97%	C Protein (1) P (1)
Fresh Is Best, Milwaukee, WI	1	1	100%	2	2	100%	
FRESH PET, SECAUCUS, NJ	2	2	100%	24	24	100%	
Fresh Start Growers Supply, Louisville, KY	1	1	100%	5	5	100%	
FROMM FAMILY FOODS LLC, MEQUON, WI	5	5	100%	56	56	100%	
FURST-MCNESS CO, FREEPORT, IL	1	1	100%	13	13	100%	
GARMON CORP, TEMECULA, CA	2	2	100%	5	5	100%	
Gee's Specialty Nutrition, Mt. Vernon, IL	3	2	67%	21	20	95%	P (1)

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	Total	No. Passed	% Passed	Total	No. Passed	% Passed	
GHC Milling Co, Fordsville, KY	6	5	83%	36	35	97%	C Protein (1)
Ginger Ridge, Bowling Green, OH	1	1	100%	3	3	100%	
Give Pet, Overland Park, KS	3	3	100%	6	6	100%	
Glo Marr Products, Lawrenceburg, KY	1	0	0%	14	9	64%	Ca (1) P (1) K (1) Zn (1) Ash (1)
GLOBAL HARVEST BIRDSEED, SEATTLE, WA	4	4	100%	10	10	100%	
Global One Pet, Aliso Viejo, CA	6	3	50%	63	60	95%	C Protein (1) Ca (2)
Gold River Feeds, Shelbyville, TN	1	1	100%	9	9	100%	
Golden LYK LLC, Morris, MN	2	0	0%	20	18	90%	C Protein (1) Mg (1)
Golden Rod Feeds, Liberty, KY	7	4	57%	35	32	91%	C Protein (2) Lasalocid (1)
GRAIN PROCESSING CORP - INDIANA, WASHINGTON, IN	2	2	100%	4	4	100%	
GRANDMA LUCY'S, RANCHO SANTA MARGARITA, CA	3	2	67%	16	9	56%	C Protein (1) AH Fat (1) Ca (1) P (1) Cu (1) Zn (1) Ca:P (1)
GRANDMA MAE'S COUNTRY NATURALS, NEW YORK, NY	8	5	63%	99	96	97%	Ca (1) P (1) Ash (1)
Greater Good Brands LLC, Wilmington, DE	4	4	100%	17	17	100%	
Greeley Seed Company, Greeley, CO	1	1	100%	2	2	100%	
GREEN PLAINS OBION, RIVES, TN	6	6	100%	20	20	100%	
Green River Feed Mill Inc, Morgantown, KY	15	12	80%	63	60	95%	C Protein (3)
GREENBRIER INTERNATIONAL, CHESAPEAKE, VA	3	3	100%	27	27	100%	
Greenleaf Commodities, Danville, KY	6	6	100%	32	32	100%	
GRO-TEC INC, MODOC, IN	5	3	60%	32	30	94%	C Protein (1) Decox (1)
H & G Limestone/Eddyville, Eddyville, KY	1	1	100%	1	1	100%	
HALO-PURELY FOR PETS, TAMPA, FL	5	4	80%	63	62	98%	Ca:P (1)
HANBY FARMS FEED & SUPPLY, NASHPORT, OH	1	1	100%	9	9	100%	
HANSEN MUELLER CO, SANDUSKY, OH	2	2	100%	3	3	100%	
HAPPY HEN TREATS, BOERNE, TX	2	2	100%	9	9	100%	
HAPPY HOWIES INC, DETROIT, MI	4	3	75%	8	7	88%	AH Fat (1)
Hardin County Milling Co Inc, Elizabethtown, KY	13	8	62%	57	52	91%	C Protein (5)
HARTZ MOUNTAIN CORPORATION, SECAUCUS, NJ	5	5	100%	15	15	100%	
Harvest Lane Honey, South Salt Lake, UT	1	0	0%	1	0	0%	C Protein (1)
Hays Feed & Seed LLC, Smiths Grove, KY	6	1	17%	48	42	88%	C Protein (2) AD Fiber (1) Ca (2) Salt (1)
HBD INTERNATIONAL INC, BRENTWOOD, TN	2	2	100%	4	4	100%	
Health Extension Pet Care, Deer Park, NY	2	2	100%	15	15	100%	
Health Pro Nutrition, South El Monte, CA	1	1	100%	2	2	100%	
Healthy Pet, Ferndale, WA	2	2	100%	4	4	100%	
Healthy Treats Inc., Naples, FL	1	1	100%	2	2	100%	
Heartbreak Ridge Farm Supply, Clay City, KY	2	2	100%	12	12	100%	
Heartland Wildlife, Upper Sandusky, OH	2	0	0%	18	14	78%	Mn (2) Se (2)
Heidel Hollow Farm, Inc, Germansville, PA	1	1	100%	3	3	100%	

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	Total	No. Passed	% Passed	Total	No. Passed	% Passed	
HEMP HOUND INC, Berkley, CA	2	2	100%	6	6	100%	
HERBSMITH INC, HARTLAND, WI	1	1	100%	2	2	100%	
Herd Evolution, Richmond, KY	1	0	0%	12	11	92%	Salt (1)
Hi Standard Dog Food, PINCKNEYVILLE, IL	1	1	100%	4	4	100%	
HIGGINS GROUP CORPORATION, MIAMI, FL	5	4	80%	12	11	92%	C Protein (1)
HIKARI SALES USA INC, HAYWARD, CA	2	2	100%	8	8	100%	
Hilander Feed Inc, Georgetown, KY	3	3	100%	16	16	100%	
HILLS PET NUTRITION INC, TOPEKA, KS	5	5	100%	14	14	100%	
HIMALAYAN CORPORATION, MUKILTEO, WA	3	1	33%	9	7	78%	C Protein (1) AH Fat (1)
Hollywood Feed LLC, Memphis, TN	1	1	100%	2	2	100%	
Hoover Feed Mill, Scottsville, KY	13	12	92%	66	65	98%	Ca (1)
Hound & Gatos Pet Foods Corp, Atlanta, GA	4	2	50%	51	46	90%	C Protein (1) Ca (2) P (2)
HUBBARD FEEDS INC, MANKATO, MN	27	25	93%	213	211	99%	Salt (1) Se (1)
HUGS PET PRODUCTS, MONTREAL, MO	3	3	100%	38	38	100%	
I & W Research Inc (dba Cranimals), Vancouver, BC	1	0	0%	2	1	50%	AH Fat (1)
I AND LOVE AND YOU, BOULDER, CO	3	2	67%	36	34	94%	Cu (1) Zn (1)
IAMS FOOD COMPANY, MASON, OH	7	5	71%	86	83	97%	P (1) Cu (1) Zn (1)
Ideal Farm Supply, Walton, KY	1	0	0%	9	8	89%	C Protein (1)
IMS PET INDUSTRIES, WOOD RIDGE, NJ	3	3	100%	6	6	100%	
INCOBRASA INDUSTRIES LTD, Gilman, IL	2	2	100%	3	3	100%	
Integrity Feeds LLC - Owensboro, Owensboro, KY	2	0	0%	16	13	81%	Salt (1) Mg (1) Mn (1)
INTER AMERICAN, CINCINNATI, OH	18	15	83%	110	107	97%	P (3)
INTL PET SUPPLIES/DISTRIBUTING, SAN DIEGO, CA	11	8	73%	138	135	98%	P (3)
ISLE OF DOGS CORPORATION, GERMANTOWN, WI	1	1	100%	2	2	100%	
J & H Feed & Tack Inc, Paintsville, KY	9	7	78%	48	45	94%	C Protein (1) P (1) Salt (1)
J E RONICKER LABS INC, WEST MILTON, OH	3	0	0%	21	18	86%	Ca (2) Ash (1)
JBS USA LLC, SOUDERTON, PA	2	2	100%	5	5	100%	
Jeffries Feed Seed & Supply Inc, Campbellsville, KY	2	2	100%	8	8	100%	
JENKINS FEED SERVICE , ADAMS, TN	11	4	36%	66	58	88%	C Protein (1) Fat (1) Ca (2) P (3) Salt (1)
Jim Beam Brands Co - Clermont, Clermont, KY	3	3	100%	9	9	100%	
JIMINY'S LLC, Berkley, CA	1	1	100%	2	2	100%	
JT Enterprises, Jenkins, KY	1	1	100%	9	9	100%	
K9 GRANOLA FACTORY, THOMASVILLE, PA	3	2	67%	6	5	83%	C Protein (1)
KALMBACH FEEDS INC, UPPER SANDUSKY, OH	41	36	88%	339	334	99%	C Protein (2) P (1) Vit A (2)
KASEL INDUSTRIES, DENVER, CO	1	1	100%	3	3	100%	
Kaylor of Colorado, Greeley, CO	6	3	50%	12	8	67%	C Protein (3) AH Fat (1)
KAYTEE PRODUCTS INC, CHILTON, WI	19	18	95%	45	44	98%	AH Fat (1)

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KDR PET TREATS LLC, FRESNO, CA	5	2	40%	15	11	73%	C Protein (3) Ash (1)
Kee's Farm Service & Supply, LLC., Grayson, KY	2	2	100%	8	8	100%	
KELLY FOODS CORPORATION, MEDINA, OH	10	10	100%	95	95	100%	
KENT NUTRITION GROUP INC, MUSCATINE, IA	12	9	75%	119	115	97%	C Protein (1) P (1) Salt (1) Se (1)
Kentucky Nutrition Service Inc, Lawrenceburg, KY	6	6	100%	63	63	100%	
Kentucky Organic Farm and Feed Inc, Guthrie, KY	9	6	67%	48	45	94%	C Protein (2) Zn (1)
KENTUCKY PERFORMANCE PRODUCTS, Versailles, KY	2	2	100%	9	9	100%	
KER SPORT HORSE NUTRITION, Versailles, KY	2	2	100%	17	17	100%	
Kettle Craft Pet Products, Kelowna, BC	1	0	0%	4	3	75%	Ash (1)
Kevil Crop Service dba Rudys Farm Center, Kevil, KY	2	2	100%	19	19	100%	
KOCH CHINCHILLA RANCH, CINCINNATI, OH	2	2	100%	8	8	100%	
KONG COMPANY, GOLDEN, CO	6	5	83%	15	14	93%	C Protein (1)
KREAMER FEED INC, KREAMER, PA	3	3	100%	12	12	100%	
KROGER, CINCINNATI, OH	25	23	92%	204	200	98%	Ca (2) P (2)
LA CROSSE MILLING COMPANY, COCHRANE, WI	1	1	100%	3	3	100%	
LAFEVER COMPANY, CORNELL, IL	4	4	100%	8	8	100%	
Lake Cumberland Feed & Farm Supply, LLC, Russell Springs, KY	1	1	100%	5	5	100%	
Lester J Stutzman Feed Mill, Marion, KY	5	3	60%	20	18	90%	C Protein (1) P (1)
LINCOLNLAND AGRI-ENERGY, PALESTINE, IL	1	1	100%	4	4	100%	
Lotus Pet Food Inc, Torrance, CA	5	2	40%	59	51	86%	C Protein (1) AH Fat (2) Fe (1) Mn (2) Zn (2)
LOVING PETS PRODUCTS, CRANBURY, NJ	8	3	38%	16	11	69%	C Protein (4) AH Fat (1)
LOWES PELLETS & GRAIN INC, GREENSBURG, IN	5	5	100%	23	23	100%	
Lucky Brand Dog Treats, Lawrenceburg, IN	1	0	0%	2	1	50%	C Protein (1)
Lucy Pet Products LLC, Westake Village, CA	3	3	100%	37	37	100%	
Luttrull Feeds, Inc., Pembroke, KY	4	3	75%	26	25	96%	C Protein (1)
LYSTN LLC, FLEETWOOD, PA	2	1	50%	4	3	75%	C Protein (1)
Mann Lake Ltd, Hackensack, MN	1	1	100%	1	1	100%	
MANNA PRO PRODUCTS, LLC, CHESTERFIELD, MO	24	17	71%	181	174	96%	C Protein (2) Ca (1) Na (2) Zn (1) Vit A (1)
Marion Feed Mill, Marion, KY	2	1	50%	10	9	90%	Salt (1)
Mark Hershey Farms, Lebanon, PA	1	1	100%	7	7	100%	
MARS FISHCARE NORTH AMERICA INC, CHALFONT, PA	3	3	100%	6	6	100%	
MARS PETCARE US INC, FRANKLIN, TN	21	19	90%	221	219	99%	P (2)
MARSHALL PET PRODUCTS, WOLCOTT, NY	2	2	100%	4	4	100%	
Martin Marietta Magnesia Spec, Nottingham, MD	1	1	100%	1	1	100%	
MAR-VO MINERAL CO INC, OSSEO, MI	3	2	67%	10	9	90%	Vit A (1)
Mays Lick Mill, Mayslick, KY	1	1	100%	1	1	100%	
Mazelin Feed Mill, Scottsville, KY	21	15	71%	117	111	95%	C Protein (4) Ca (2)
McCauley Brothers Inc, Versailles, KY	17	17	100%	143	143	100%	
McDuffie Feed and Seed, Thomson, GA	1	0	0%	12	11	92%	Mn (1)

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McRay Feed LLC, Harrodsburg, KY	25	21	84%	133	129	97%	C Protein (4)
MEIJER INC, GRAND RAPIDS, MI	9	9	100%	44	44	100%	
MELICK AQUA FEED INC, CATAWISSA, PA	3	3	100%	11	11	100%	
MENARD INC, EAU CLAIRE, WI	4	4	100%	28	28	100%	
Menifee County Farm Supply, Frenchburg, KY	2	0	0%	9	7	78%	C Protein (2)
MENU FOODS, PENNSAUKEN, NJ	1	1	100%	13	13	100%	
MERRICK PET CARE INC, AMARILLO, TX	14	11	79%	132	127	96%	C Protein (1) AH Fat (1) Ca (1) P (1) Zn (1)
MFS Alliance Inc, Edmonton, KY	1	1	100%	8	8	100%	
MGPI OF INDIANA LLC, LAWRENCEBURG, IN	2	2	100%	6	6	100%	
MID AMERICA PET FOOD LLC, MT PLEASANT, TX	5	4	80%	67	66	99%	Ca (1)
MID-STATES DISTRIBUTING CO, ST. PAUL, MN	1	1	100%	6	6	100%	
MIDWESTERN PET FOODS INC, EVANSVILLE, IN	7	7	100%	51	51	100%	
MILO'S KITCHEN LLC, PITTSBURGH, PA	4	4	100%	8	8	100%	
MIRACLE CORP PRODUCTS, DAYTON, OH	1	1	100%	2	2	100%	
MISSISSIPPI LIME CO, ST LOUIS, MO	1	1	100%	1	1	100%	
Molly's Barkery, London, ON	4	4	100%	8	8	100%	
MONNIG BROTHERS, IRONTON, OH	3	3	100%	13	13	100%	
MOSAIC GLOBAL SALES LLC, LITHIA, FL	1	1	100%	3	3	100%	
Moultrie Feeders, Birmingham, AL	1	1	100%	2	2	100%	
MPM PRODUCTS USA INC, KENNESAW, GA	1	1	100%	12	12	100%	
Myers Feed & Farm Supply, Corinth, KY	5	4	80%	33	31	94%	C Protein (1) P (1)
NATURES ANIMALS INC, MAMARONECK, NY	4	4	100%	8	8	100%	
NATURES LOGIC, LINCOLN, NE	6	6	100%	17	17	100%	
NATURES RECIPE PET FOODS, PITTSBURGH, PA	10	10	100%	127	127	100%	
NATURES VARIETY, LINCOLN, NE	16	16	100%	155	155	100%	
NESTLE PURINA PETCARE CO, ST LOUIS, MO	22	22	100%	154	154	100%	
NEW LIFE INTERNATIONAL INC, HOMESTEAD, FL	1	0	0%	3	2	67%	Ash (1)
NEWMANS OWN ORGANICS, APTOS, CA	3	3	100%	6	6	100%	
Nex Gen Nutrition LLC, Brandon, SD	1	0	0%	11	9	82%	Mn (1) Se (1)
NOBEL ADVENTURES PET INNOVATIONS LLC, Durango, CO	2	2	100%	26	26	100%	
NOOTIE LLC, DELRAY BEACH, FL	11	6	55%	130	123	95%	C Protein (3) AH Fat (2) Ca (1) P (1)
North Woods Animal Treats, Keene, NH	2	2	100%	4	4	100%	
NU TECH BIOSCIENCES INC, Oneida, NY	1	1	100%	2	2	100%	
Nu-Feeds Inc., Tunkhannock, PA	2	2	100%	22	22	100%	
NULO INC, AUSTIN, TX	8	7	88%	96	93	97%	AH Fat (1) Ca (1) P (1)
NUNN MILLING COMPANY INC, EVANSVILLE, IN	8	5	63%	41	36	88%	C Protein (3) Ca (1) Ca:P (1)
NUTRA BLEND CORP, NEOSHO, MO	1	1	100%	6	6	100%	
Nutreco Canada Inc, St Marys, ON	2	2	100%	25	25	100%	
NUTRENA, MINNEAPOLIS, MN	13	8	62%	148	143	97%	Fat (1) AD Fiber (2) P (1) Ca:P (1)
Nutrispree, Southlake, TX	2	1	50%	19	18	95%	Cu (1)
NUTRI-VET LLC, BOISE, ID	4	4	100%	15	15	100%	

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Business Name	Samples			Tests			Sample Violations
	Total	No. Passed	% Passed	Total	No. Passed	% Passed	
NUTRO PRODUCTS INC, FRANKLIN, TN	10	10	100%	105	105	100%	
NYLABONE PRODUCTS, NEPTUNE, NJ	4	4	100%	8	8	100%	
Odom's Livestock Supply, Inc., Mayfield, KY	5	5	100%	30	30	100%	
Old Mother Hubbard, Tewksbury, ME	4	3	75%	8	7	88%	AH Fat (1)
OMEGA SEA LTD, PAINESVILLE, OH	2	2	100%	7	7	100%	
Only Natural Pet, Boulder, CO	4	3	75%	39	37	95%	C Protein (1) Mn (1)
OPEN FARM INC, TORONTO, ON	1	0	0%	2	1	50%	C Protein (1)
ORIGEN NUTRITION INC., Chino, CA	1	1	100%	13	13	100%	
ORSCHLERN FARM & HOME, MOBERLY, MO	7	5	71%	57	54	95%	Ca (1) P (2)
OSCAR NEWMAN LLC, BATAVIA, IL	1	0	0%	2	1	50%	C Protein (1)
OVERTON-PICKETT FARMERS COOP, LIVINGSTON, TN	3	3	100%	15	15	100%	
Owensboro Grain Co LLC, Owensboro, KY	35	30	86%	72	67	93%	C Protein (3) C Fiber (2)
OXBOW ENTERPRISES, MURDOCK, NE	9	7	78%	30	28	93%	C Protein (1) Ca (1)
PACIFIC COAST DISTRIBUTING, PHOENIX, AZ	9	8	89%	104	103	99%	P (1)
Pampa Beverages LLC, Miami, FL	1	1	100%	2	2	100%	
PARAGON PET PRODUCTS USA INC, WILMINGTON, DE	2	2	100%	4	4	100%	
PARTY ANIMAL INC, HOLLYWOOD, CA	2	1	50%	24	22	92%	Ca (1) P (1)
PAW PRINTS BAKERY LLC, Georgetown, KY	2	1	50%	4	3	75%	C Protein (1)
Pawduke, Millbrook, IL	2	1	50%	4	3	75%	C Protein (1)
PENN PAK INC, MADISON, GA	1	0	0%	3	2	67%	Ca (1)
PERFORMANCE FEEDS, RED BOILING SPGS, TN	51	39	76%	259	245	95%	C Protein (2) C Fiber (1) Ca (3) Salt (2) Decox (2) Monensin (4)
PERFORMANCE SEED, ST. CLOUD, MN	1	1	100%	2	2	100%	
Perkins Meat & Feed Store, Pine Knot, KY	1	0	0%	5	4	80%	Fat (1)
PET BRANDS, COLUMBUS, OH	3	3	100%	8	8	100%	
Pet Relief, Englewood, CO	4	4	100%	14	14	100%	
PET VALU CANADA INC, MARKHAM, ON	11	8	73%	115	111	97%	Ca (1) P (2) Ca:P (1)
PET VENTURES INC, NORTH HOLLYWOOD, CA	6	5	83%	12	11	92%	Ash (1)
Pet Wants, Cincinnati, OH	10	9	90%	127	126	99%	Ash (1)
PET-AG INC, HAMPSHIRE, IL	4	3	75%	16	14	88%	C Protein (1) Se (1)
PetIQ, Eagle, ID	7	7	100%	14	14	100%	
PETKIND, WHITE ROCK, BC	2	0	0%	6	3	50%	C Protein (1) Ash (2)
PETMATRIX LLC, SADDLE BROOK, NJ	4	4	100%	8	8	100%	
PETON DISTRIBUTORS INC, MARKHAM, ON	1	1	100%	2	2	100%	
PETS GLOBAL INC, GARDENA, CA	4	3	75%	48	47	98%	C Protein (1)
PETS OF AMERICA WHOLESALE SPLY, WILLIAMSTON, NC	2	1	50%	25	23	92%	Ca (1) P (1)
Petsense, Scottsdale, AZ	10	10	100%	129	129	100%	
Phelps Industries LLC, Rockford, IL	1	1	100%	2	2	100%	
Pillstashes, Hopkins, MN	1	1	100%	2	2	100%	
PK Natural Pet Food LTD, Surrey, BC	1	0	0%	2	1	50%	Ash (1)
PMI Nutrition International LLC, BRENTWOOD, MO	10	10	100%	74	74	100%	
PMI Nutrition LLC, Arden Hills, MN	4	4	100%	53	53	100%	
POLKADOG BAKERY, Boston, MA	2	2	100%	4	4	100%	

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PRAIRIE DOG TREATS, GRAND PRAIRIE, TX	1	1	100%	2	2	100%	
PRECISE PET PRODUCTS, NACOGDOCHES, TX	2	2	100%	25	25	100%	
PREMIUM NUTRITIONAL PRODUCTS, MISSION, KS	5	5	100%	21	21	100%	
PRETTY BIRD INTL INC, STACY, MN	2	1	50%	6	5	83%	C Protein (1)
Prewitt Farm Supply, Inc., Williamsburg, KY	1	1	100%	5	5	100%	
PRIMAL PET FOODS INC, SAN FRANCISCO, CA	4	3	75%	5	4	80%	Salmonella (1)
Primos Hunting Calls, Flora, MS	1	0	0%	7	6	86%	Na (1)
Process Managers LLC, Winchester, KY	2	2	100%	17	17	100%	
PROFESSIONAL PET CO, META, MO	2	2	100%	25	25	100%	
PRO-PET LLC (Kansas City), Kansas City, MO	3	1	33%	39	36	92%	Ca (2) P (1)
PRO-PET LLC (St. Marys), ST MARYS, OH	2	2	100%	5	5	100%	
PROVIMI NORTH AMERICA INC, BROOKVILLE, OH	4	4	100%	29	29	100%	
PSP Distribution LLC , Seymour, IN	7	6	86%	57	56	98%	AH Fat (1)
PUPPY CAKE LLC, EVANS CITY, PA	2	2	100%	4	4	100%	
PURE TREATS INC, VAUDREUIL DORION, QC	7	4	57%	16	12	75%	C Protein (2) AH Fat (1) Moisture (1)
PURINA ANIMAL NUTRITION LLC, SHOREVIEW, MN	59	53	90%	527	521	99%	C Protein (2) P (2) Salt (1) Na (1)
Quincy Farm Products, Quincy, IL	1	1	100%	2	2	100%	
R2P GROUP INC, EMERYVILLE, CA	3	3	100%	6	6	100%	
RADAGAST PET FOOD INC, PORTLAND, OR	1	1	100%	12	12	100%	
RAGLAND MILLS INC, NEOSHO, MO	1	1	100%	4	4	100%	
RALCO NUTRITION INC, MARSHALL, MN	1	1	100%	1	1	100%	
Real Pet Food Company, San Antonio, TX	3	3	100%	21	21	100%	
Real World Wildlife Products, Mattoon, IL	2	2	100%	20	20	100%	
RED A FEEDS, MANKATO, MN	6	6	100%	27	27	100%	
RED RIVER COMMODITIES, FARGO, ND	1	0	0%	6	5	83%	Ca (1)
REDBARN PET PRODUCTS LLC, GREAT BEND, KS	3	3	100%	6	6	100%	
REDMOND MINERALS INC, REDMOND, UT	3	1	33%	24	19	79%	Co (1) Cu (1) Mn (1) Zn (1) Vit A (1)
REP CAL RESEARCH LABS, LOS GATOS, CA	1	1	100%	2	2	100%	
REPASHY VENTURES INC, LA JOLLA, CA	3	2	67%	14	13	93%	C Protein (1)
RESOLVE SUSTAINABLE SOLUTIONS, FORT DODGE, IA	3	3	100%	13	13	100%	
RICHDEL INC, CARSON CITY, NV	1	1	100%	3	3	100%	
RIDLEY BLOCK OPERATIONS, MANKATO, MN	26	16	62%	237	220	93%	C Protein (1) Ca (1) P (2) Cu (1) Mn (1) Mo (1) Se (4) Zn (1) Vit A (5)
RIDLEY FEED INGREDIENT MENDOTA, MENDOTA, IL	3	2	67%	3	2	67%	Vit A (1)
RIDLEY SPECIALTY PRODUCTS, MANKATO, MN	3	3	100%	14	14	100%	
RIDLEY USA INC, MANKATO, MN	1	1	100%	9	9	100%	

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Rip's Farm Center - Tollesboro, Tollesboro, KY	67	41	61%	324	291	90%	C Protein (14) NPN (6) Fat (4) Ca (3) P (1) Salt (2) Lasalocid (1) Monensin (2)
River Valley Animal Foods Tyson, Robards, KY	5	3	60%	27	23	85%	Ca (2) P (2)
Roam Pets, New York, NY	3	1	33%	6	4	67%	C Protein (1) AH Fat (1)
Rockingham Cooperative, Harrisonburg, VA	1	0	0%	10	9	90%	Se (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%	11	11	100%	
ROSE ACRE FARMS INC, SEYMOUR, IN	3	3	100%	6	6	100%	
Rosewood Pet Products Ltd., Shropshire, UK	1	1	100%	2	2	100%	
ROUDYBUSH INC, WOODLAND, CA	3	3	100%	6	6	100%	
ROYAL CANIN USA INC, ST CHARLES, MO	7	5	71%	87	85	98%	P (1) Ca:P (1)
ROYAL PET INC, INNER GROVE HEIGHTS, MN	1	1	100%	1	1	100%	
RPG Innovations LLC, Dallas, TX	1	1	100%	2	2	100%	
RUDY GREEN INC, Louisville, KY	1	0	0%	2	1	50%	C Protein (1)
RURAL KING SUPPLY - MATTOON, MATTOON, IL	19	15	79%	183	176	96%	Ca (4) P (1) Zn (2)
RUSH DIRECT INC, WOOD DALE, IL	5	5	100%	11	11	100%	
Russell County Feed Mill Inc, Russell Springs, KY	8	5	63%	61	58	95%	Ca (2) P (1)
SAMS WEST INC, BENTONVILLE, AR	5	4	80%	67	66	99%	Na (1)
SAVE-A-LOT LTD, EARTH CITY, MO	6	6	100%	36	36	100%	
SAVORY PRIME, VENTURA, CA	2	2	100%	4	4	100%	
SHELL & KAMPETER INC, META, MO	3	3	100%	28	28	100%	
Science Hill Milling Co, Science Hill, KY	15	9	60%	84	75	89%	C Protein (4) Ca (4) Salt (1)
SCOTT PET PRODUCTS, ROCKVILLE, IN	6	3	50%	31	27	87%	C Protein (1) Ca (1) Mn (2)
SEEDS, INC., MEMPHIS, TN	1	1	100%	13	13	100%	
SERGEANTS PET CARE PRODUCTS, OMAHA, NE	3	3	100%	6	6	100%	
Seventy Feeds LLC, Eubank, KY	4	4	100%	18	18	100%	
Siemer Milling Company, Hopkinsville, KY	3	3	100%	10	10	100%	
SIMMONS PET FOOD INC, PENNSAUKEN, NJ	2	2	100%	26	26	100%	
SIMPLY NOURISH PET FOOD CO, PHOENIX, AZ	15	15	100%	149	149	100%	
Sligo Feed Mill, Pendleton, KY	5	5	100%	36	36	100%	
SN Pet Holdings, Dallas, TX	2	2	100%	4	4	100%	
So Bright LLC, Kiel, WI	1	1	100%	2	2	100%	
SOJOS INC, MINNEAPOLIS, MN	1	1	100%	2	2	100%	
SOLID GOLD PET LLC, GREENVILLE, SC	11	8	73%	115	110	96%	Ca (2) P (2) Ca:P (1)
SOULISTIC, NATICK, MA	3	3	100%	38	38	100%	
SOUTHERN STATE COOP INC., RICHMOND, VA	5	3	60%	58	56	97%	C Protein (1) Ca:P (1)
Southern States - Bowling Green, Bowling Green, KY	1	1	100%	5	5	100%	
Southern States - Danville, Danville, KY	2	2	100%	6	6	100%	

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	Total	No. Passed	% Passed	Total	No. Passed	% Passed	
Southern States - Flemingsburg, Flemingsburg, KY	22	17	77%	104	98	94%	C Protein (1) NPN (2) Fat (2) C Fiber (1)
Southern States - Hopkinsville, Hopkinsville, KY	2	1	50%	18	16	89%	C Protein (1) AD Fiber (1)
Southern States - London, London, KY	7	2	29%	38	33	87%	C Protein (1) Fat (1) Ca (2) P (1)
Southern States - Owingsville, Owingsville, KY	3	3	100%	12	12	100%	
Southern States - Somerset, Somerset, KY	1	1	100%	6	6	100%	
SPECIALTY FEEDS INC, MEMPHIS, TN	9	5	56%	105	98	93%	Ca (4) P (3)
SPECIALTY PRODUCTS RESOURCES INC, WALTHAM, MA	6	5	83%	12	11	92%	C Protein (1)
STANDLEE HAY CO INC, EDEN, ID	3	2	67%	7	6	86%	Ash (1)
STAR MARK PET PRODUCTS INC, HUTTO, TX	3	3	100%	6	6	100%	
Steel's Bottom Feed, Warsaw, KY	3	2	67%	22	21	95%	C Protein (1)
STELLA & CHEWY'S LLC, OAK CREEK, WI	9	7	78%	70	65	93%	C Protein (1) Ca (1) P (2) Zn (1)
Sunny Pastures Feed, Harrodsburg, KY	2	1	50%	12	11	92%	C Protein (1)
SUNSHINE MILLS INC, RED BAY, AL	27	22	81%	246	240	98%	C Protein (1) Ca (1) P (3) Se (1)
Supreme Pet Products, Inc., Tucson, AZ	3	2	67%	10	9	90%	P (1)
T & H Feed Service, Inc., Lebanon, KY	7	4	57%	50	47	94%	C Protein (1) Salt (1) Decox (1)
T & T Feed and Seed, Bardstown, KY	3	1	33%	6	4	67%	C Protein (2)
TASMANS NATURAL PET, Louisville, KY	1	0	0%	3	2	67%	C Protein (1)
TASTE OF THE WILD, META, MO	7	5	71%	92	88	96%	Ca (2) P (2)
TATE & LYLE INGREDIENTS AMERICAS, DECATUR, IL	2	2	100%	4	4	100%	
TBD BRANDS LLC, EXETER, NH	1	1	100%	2	2	100%	
Teds Feed Store, Middlesboro, KY	1	1	100%	4	4	100%	
TENDER & TRUE PET NUTRITION, Omaha, NE	5	4	80%	61	60	98%	Ca:P (1)
TENNESSEE FARMERS COOP - LAVERGNE, LAVERGNE, TN	13	12	92%	100	99	99%	C Protein (1)
TETRA HOLDING (US) INC, BLACKSBURG, VA	1	1	100%	4	4	100%	
THE CRUMP GROUP INC, BRAMPTON, ON	2	1	50%	5	4	80%	Ash (1)
The Full Life, LLC, Phoenix, AZ	1	1	100%	2	2	100%	
The Granville Island Pet Treatery, Surrey, BC	2	1	50%	5	4	80%	Ash (1)
THE HONEST KITCHEN INC, SAN DIEGO, CA	7	4	57%	56	53	95%	C Protein (1) Na (1) Moisture (1)
The Hyland Company Inc, Ashland, KY	18	12	67%	186	179	96%	C Protein (1) Ca (1) P (1) Ash (4)
THE LAZY DOG COOKIE CO INC, BALLSTON SPA, NY	3	2	67%	6	5	83%	C Protein (1)
THE NUTRO COMPANY, FRANKLIN, TN	2	2	100%	4	4	100%	
THE PHOENIX COMPANY, WILLOWS, CA	1	1	100%	2	2	100%	
THORVIN INC, NEW CASTLE, VA	1	0	0%	10	9	90%	Salt (1)
THREE DOG BAKERY LLC, KANSAS CITY, MO	3	3	100%	6	6	100%	

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	Total	No. Passed	% Passed	Total	No. Passed	% Passed	
Tiki, Chesterfield, MO	11	9	82%	136	133	98%	C Protein (1) Cu (1) Ash (1)
TOMLYN PRODUCTS, FORT WORTH, TX	1	1	100%	7	7	100%	
TOPCO ASSOCIATES, ELK GROVE VILLAGE, IL	13	12	92%	111	110	99%	Ca:P (1)
TOTAL FEEDS INC, WEATHERFORD, TX	1	1	100%	9	9	100%	
TRACTOR SUPPLY COMPANY - BRENTWOOD, BRENTWOOD, TN	33	26	79%	211	204	97%	C Protein (5) Ca (1) Salt (1)
TRADER JOE'S, MONSEY, NY	8	6	75%	79	77	97%	C Protein (1) P (1)
TREAT PLANET, MARYLAND HEIGHTS, MO	2	1	50%	4	3	75%	C Protein (1)
Tri-County Fertilizer Co., Inc., Richmond, KY	4	2	50%	12	10	83%	C Protein (2)
TRIPLE CROWN NUTRITION INC, WAYZATA, MN	2	2	100%	24	24	100%	
TUCKER MILLING LLC, GUNTERSVILLE, AL	1	1	100%	4	4	100%	
TUFFYS PET FOODS INC, PERHAM, MN	7	4	57%	74	69	93%	C Protein (1) Ca (2) P (2)
TYSON PET PRODUCTS, INDEPENDENCE, IA	4	3	75%	8	7	88%	C Protein (1)
UNIPET USA LLC, TRAVELERS REST, SC	1	0	0%	4	2	50%	C Protein (1) Salt (1)
United Livestock Commodities, Mayfield, KY	14	9	64%	111	105	95%	Ca (2) P (2) Vit A (1) Monensin (1)
UNITED PET GROUP INC, BLACKSBURG, VA	9	8	89%	20	19	95%	AH Fat (1)
V.I.P Petfoods (Aust.) P/L, Yatala, QLD	1	1	100%	4	4	100%	
VALERO MARKETING & SUPPLY CO, SAN ANTONIO, TX	3	3	100%	14	14	100%	
Valley Farm Center Inc, Monticello, KY	2	1	50%	11	6	55%	C Protein (1) Ca (1) P (1) Se (1) Zn (1)
Valley Feed, Cincinnati, OH	1	1	100%	2	2	100%	
VAPCO INC, LAWRENCE, MA	3	0	0%	20	15	75%	C Protein (3) Ca (2)
Vapple Products, Hazlehurst, GA	1	1	100%	2	2	100%	
Vera, Eagle, IA	1	1	100%	2	2	100%	
VETS PLUS INC, MENOMONIE, WI	2	2	100%	4	4	100%	
VETSCIENCE LLC, DALLAS, TX	2	2	100%	4	4	100%	
VITAKRAFT SUN SEED CO INC, BOWLING GREEN, OH	1	1	100%	2	2	100%	
W F YOUNG INC, EAST LONGMEADOW, MA	1	1	100%	2	2	100%	
WAGGERS PET PRODUCTS, CALGARY, AB	1	1	100%	2	2	100%	
WAGGIN TRAIN LLC, ST LOUIS, MO	4	4	100%	8	8	100%	
WAL-MART STORES INC, BENTONVILLE, AR	9	9	100%	106	106	100%	
WALPOLE FEED & SUPPLY, OKEECHOBEE, FL	1	0	0%	11	10	91%	C Protein (1)
Ware Milling, Houston, MS	7	7	100%	28	28	100%	
WELL PET LLC, TEWKSBURY, MA	13	12	92%	160	158	99%	Ca (1) P (1)
WESTWAY FEED PRODUCTS LLC, TOMBALL, TX	1	1	100%	9	9	100%	
WET NOSES NATURAL DOG TREAT CO, MONROE, WA	1	0	0%	2	1	50%	C Protein (1)
WHOLE FOODS MARKET, AUSTIN, TX	6	6	100%	66	66	100%	
WHOLE LIFE PET PRODUCTS, PITTSFIELD, ME	1	1	100%	2	2	100%	
Wholesale Merchandisers, Grand Rapids, MI	1	1	100%	2	2	100%	
WILD CALLING! PET FOOD, GREELEY, CO	3	2	67%	39	36	92%	Ca (1) P (1) Ash (1)

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WILDGAME INNOVATIONS, LLC, BATON ROUGE, LA	4	2	50%	17	14	82%	C Protein (1) Fat (1) P (1)
Willard Milling, Inc., Willard, KY	24	19	79%	161	156	97%	C Protein (3) P (1) Cu (1)
WILLIAMS FARM, Germantown, KY	1	1	100%	1	1	100%	
Winchester Feeds Inc, Winchester, KY	8	8	100%	57	57	100%	
Woodford Feed Co Inc, Versailles, KY	6	6	100%	37	37	100%	
Yoders Feed & Supply, Russellville, KY	15	10	67%	108	102	94%	C Protein (1) Ca (1) P (3) Salt (1)
ZIWIPEAK LTD, CARMEL, CA	2	1	50%	27	24	89%	Ca (1) P (1) Ash (1)
Zoetis Inc., Portage, MI	1	1	100%	1	1	100%	
ZOO MED LABORATORIES, INC., SAN LUIS OBISPO, CA	7	4	57%	20	16	80%	C Protein (3) AH Fat (1)
ZUKES, DURANGO, CO	7	7	100%	15	15	100%	
Totals	2923	2321	79%	19,832	19,045	96%	

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