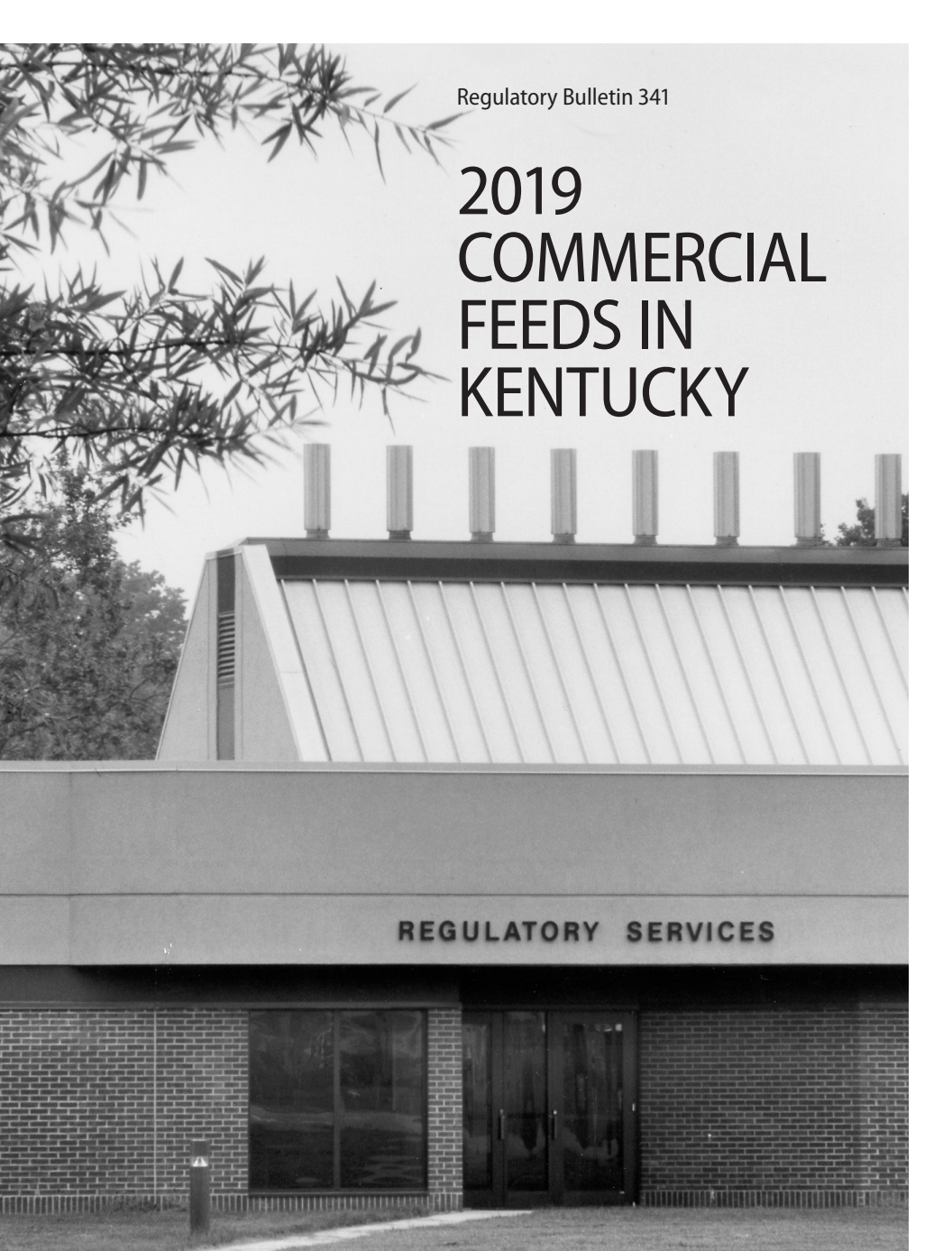


Regulatory Bulletin 341

2019 COMMERCIAL FEEDS IN KENTUCKY



REGULATORY SERVICES

 University of
Kentucky

*College of Agriculture,
Food and Environment*

Agricultural Experiment Station

Regulatory Services on the Web:
www.rs.uky.edu

**Division of Regulatory Services
Kentucky Agricultural Experiment Station**

Nancy Cox, Dean, College of Agriculture
Robert Houtz, 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

Jim True, Coordinator of Field Inspection Staff

Mark Barrow	Terry Prather	John S. Flood
Brad Johnston	Nathan Keith	David Mason
Warren Pinkston		W. Bart Young

Laboratory Staff

Frank Sikora, Director of Labs and Soils
Sharon Webb, Director of Quality Control
Solomon Kariuki, Laboratory Manager

Gary Coleman	Wayne Ingram	Bruce Combs
David Harover	Meagan Payne	Ryan Baldwin
Steve Duckett	Rajna Tosheva-Tounova	Debra Dahn
David Tompkins	Phil Dickson	Lancao Zhang
Kristin Brock		Lisa Burke

Administrative Staff

Tony Benge, Computer Systems Manager III
Shannon Shields, Project Specialist I
Patrick Coslow, Systems Analyst
Annie Simmons, Data Entry
Margaret Thomas, Data Entry
Katherine Crawford, Data Entry
Monica Benjamin, Data Entry
Stephany Chandler, Staff Associate
Michelle Young, Staff Associate
Debbie Patrick, Data Entry
Jennifer Combs, Regulatory Associate
Lauren O'Mara, Regulatory Associate

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

The College of Agriculture, Food and Environment is an Equal Opportunity Organization.

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, our feed regulations, last revised in 1998, were revised for both livestock feed and pet food. The revisions better align Kentucky regulations with the American Association of Feed Control Officials (AAFCO) model bill and regulations. The changes included additional guarantees on equine and goat feed labels and requiring 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 eight feed mills in Kentucky with a feed mill license (FML) from the 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) requirements. 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 2019 included evaluations of good manufacturing practices (GMPs) at 16 Kentucky mills manufacturing medicated feed and 8 inspections at firms that manufacture only non-medicated feed. With FSMA regulations encompassing non-medicated feed, these were the first GMP inspections of their facilities for most of the manufacturers. Beginning in the fall of 2020, our inspectors will also be conducting preventative controls inspections required by FSMA regulations. At the beginning of 2020, there were 194 feed manufacturing facilities located in

Kentucky that serve the animal feed and pet food industries. Additionally, approximately 300 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 2018, all facilities manufacturing or holding animal feed are required to comply with good manufacturing practices. By the fall of 2019, preventative controls were also required for eligible facilities. While we will continue to monitor the manufacture

Table 1. Number of feed ingredient samples in 2019.

Type	Official Samples with Guarantees	Unofficial, Proficiency, Service Samples	Total
Alfalfa Products	0	0	0
Animal Products	11	0	11
Brewery Products	0	0	0
Corn Products	48	64	112
Cottonseed Products	3	2	5
Distillers Products	44	6	50
Soybean Products	101	7	108
Wheat Products	3	2	5
Other Grains	5	17	22
Minerals	7	0	7
Vitamins	4	0	4
Urea and Other NPN	0	0	0
Other	23	3	26
Total	249	101	350

Table 2. Number of commercial feed samples in 2019.

Formula Feeds	Official Samples with Guarantees	Unofficial, Proficiency, Service Samples	Total
Poultry Feed	253	11	264
Beef Feed	365	22	387
Dairy Feed	28	3	31
Swine Feed	101	3	104
Sheep Feed	17	3	20
Goat Feed	34	5	39
Equine Feed	250	15	265
Rabbit Feed	22	1	23
Fish Feed	10	2	12
Deer Products	21	5	26
Milk Replacer	16	1	17
Mineral/Vitamin/Other	170	34	204
Wild Bird Food	35	5	40
Total	1,322	110	1,432

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 Regulatory Program Standards (AFRPS) initiative, a joint effort by the American Association of Feed Control Officials (AAFCO) and the FDA to help build a more robust integrated food safety system by concentrating on regulation of animal feed production. Kentucky has fully implemented each of the 11 standards. This cooperative agreement will bring \$3,000,000 into the division and the university over the initial 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

Table 3. Number of pet and specialty feed samples in 2019.

Type	Official Samples with Guarantees	Unofficial, Proficiency, Service Samples	Total
Dog Food	529	17	546
Cat Food	301	0	301
Dog and Cat Treats	594	9	603
Specialty Pet and Pet Other	89	0	89
Total	1,513	26	1,539

Table 4. Survey of 2019 corn crop (55 total samples).

	Units	# Tests	LLQ ¹	# Tests > LLQ	Mean ²
Crude Protein	%	55			6.73
Aflatoxin	ppb	29	< 5 ppb	0	-
Fumonisin	ppm	29	< 1 ppm	24	1.12
Vomitoxin	ppm	29	< 0.5 ppm	14	0.66
Zearalenone	ppm	29	< 0.02 ppm	13	0.11
T-2 Toxin	ppm	29	< 0.02 ppm	1	0.02
Ochratoxin	ppm	29	< 0.02 ppm	0	-
Moisture	%	52			13.75

¹Lower limit of quantification.

²Mean includes only samples with analyzed values > LLQ.

Table 5. Number of feed analyses reported in 2019.

		Official Samples	Unofficial, Proficiency, Service Samples	Total
Proximate	Crude Protein	2,891	200	3,091
	NPN Equiv Protein	32	2	34
	Crude Fat	345	82	427
	AH Fat	1,390	16	1,406
	Crude Fiber	864	64	928
	Acid Detergent Fiber	845	81	926
	Neutral Detergent Fiber	298	47	345
	Ash	200	42	242
	Moisture	825	105	930
Minerals	Aluminum	0	2	2
	Arsenic	6	0	6
	Cadmium	6	0	6
	Calcium	2,157	75	2,232
	Ca:P Ratio	482	0	482
	Cobalt	1,747	75	1,822
	Copper	2,158	75	2,233
	Chromium	6	0	6
	Iron	2,158	75	2,233
	Lead	6	0	6
	Magnesium	2,158	75	2,233
	Manganese	2,158	75	2,233
	Molybdenum	0	1	1
	Phosphorus	2,158	75	2,233
	Potassium	2,158	75	2,233
	Salt, min	857	24	881
	Selenium	633	32	665
	Sodium	2,158	75	2,233
	Sulfur	19	14	33
	Zinc	2,158	75	2,233
Vitamins	Vitamin A	227	12	239
Drugs	Amprolium	8	0	8
	Bacitracin	0	0	0
	Carbadox	0	0	0
	Chlortetracycline	16	2	18
	Decoquinat	12	1	13
	Lasalocid	34	3	37
	Monensin, sodium	43	13	56
	Oxytetracycline	0	0	0
Tylosin	0	0	0	
Mycotoxins	Aflatoxin	19	55	74
	Fumonisin	19	42	61
	Ochratoxin	19	41	60
	T-2-Toxin	19	41	60
	Vomitoxin	19	42	61
	Zearalenone	19	41	60
Other	Listeria	77	0	77
	Salmonella	84	0	84
	Microscopy	0	6	6
Totals		31,488	1,761	33,249

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, nearly 24,000 different commercial feeds and pet foods are registered for distribution by around 1,200 companies. More than half 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 label-

ing, 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 2019, the feed program collected a total of \$1,444,395 in inspection fees, registration fees and late

Table 6. Reported tons of ingredients distributed in 2019.

Ingredient	Exempt	Non-Exempt
Alfalfa Products	2,506	7,065
Animal Products	3,844	12,699
Brewery Products	1,135	176
Corn Products	48,185	124,022
Cottonseed Products	15,132	5,512
Distillers Products	40,936	189,195
Soybean Products	216,723	684,923
Wheat Products	103,099	6,030
Other Grains/Oilseeds	7,411	16,492
Minerals	22,524	78,091
Vitamins	240	2,868
Urea and Other NPN	2,592	327
Other	32,651	103,871
Distillers wet grains	0	207,806
Brewers wet grains	0	7,305
Liquid whey	0	0
Total	496,978	1,446,383

Table 7. Reported tons of commercial feeds distributed in 2019.

Type	2019
Poultry Feed	80,502
Beef Feed	388,832
Dairy Feed	154,090
Swine Feed	19,170
Sheep Feed	15,109
Goat Feed	5,090
Horse Feed	125,853
Rabbit Feed	3,477
Fish Feed	2,415
Deer Products	2,437
Milk Replacer	1,426
Mineral/Vitamin/Other	65,120
Wild Bird Food	20,158
Pet Food	214,486
Total	1,098,164

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%	Selenium ¹	-40%	40%
Crude Fat	-20%	+5 units	Zinc ¹	-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%
Calcium ¹	-15%	+2 units	Apramycin	-20%	20%
Phosphorus ¹	-15%	+2 units	Bacitracin	-40%	40%
Salt	-40%	40%	Carbadox	-20%	20%
Sodium ¹	-30%	130%	Chlortetracycline	-30%	30%
Magnesium ¹	-40%	200%	Decoquinatate	-20%	20%
Potassium ¹	-30%	200%	Lasalocid	-25%	25%
Sulfur	-30%	30%	Monensin, Sodium	-30%	30%
Cobalt ¹	-40%	200%	Oxytetracycline	-30%	30%
Copper ¹	-40%	200%	Penicillin	-35%	35%
Iron ¹	-40%	200%	Tylosin	-30%	30%
Manganese ¹	-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.

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 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 KY firms. Our inspectors have noted a decrease in the number of livestock and poultry feeds available in the state that contain medications requiring VFD labeling.

Feed Sampling

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.

Tables 1, 2, and 3 list the number of samples analyzed in 2019 obtained by field inspectors of feed ingredients, commercial feeds, and pet/specialty foods. We did see some changes in sample numbers and types of samples collected by our inspectors in 2019. Pet and specialty foods samples were nearly 50% of all official samples collected. Increased pet food sampling is in part due to an expansion of contaminant testing. Additionally, we have made a concerted effort to order pet and specialty products through internet distributors with 62 products purchased in 2019. Beef, poultry, and equine feeds continue to make up the majority of our livestock samples.

In addition to the official samples reported, our lab also analyzed an additional 237 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 2019, our lab analyzed 78 service samples for Kentucky feed consumers, feed dealers, and manufacturers.

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 6.7% on the 55 samples in this year's survey.

Feed Analysis

Analyses of nutrients and other components in feed samples are provided by our feed laboratory. The laboratory data are 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 2019. 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 around 380 mycotoxin tests in 2019. 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. In 2019, we analyzed 46 different samples for either salmonella, listeria, or both microorganisms. Though we have primarily concerned our testing with pet treats and pet foods, we have also

analyzed livestock and poultry treats and even reptile food.

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 below 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

Table 9 contains a list of all Kentucky locations where inspectors collected samples in 2019. Samples were collected at 357 locations last year.

Sample Violation Report

The sample violation report for 2019 (Table 10) includes 3,084 official samples from 517 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.

Table 9. Report of Sampling Locations - 2019.

BusinessName	Sample # by Feed Type		
	Livestock & Ingredient	Pet and Speciality	Total
A & S Livestock & Feed, Jamestown	1	0	1
Adairville Feed Mill - Adairville	7	1	8
Adairville Feed Mill #2 - Russellville	13	2	15
ADM Alliance Nutrition, Campbellsville	7	2	9
Albany Building Center, Inc., Albany	2	0	2
Aldi - Bowling Green	0	7	7
Allen County Farmers Service, Inc., Scottsville	4	0	4
Amazon.com Services, Inc., Seattle	4	52	56
Anderson County Farm Service, Inc., Lawrenceburg	2	0	2
Arnold Feed & Seed, Campbellsville	5	1	6
Ashland Milling Co, Ashland	14	0	14
Augusta Farm Supply, Inc., Augusta	1	0	1
Bagdad Roller Mills, Inc., Bagdad	37	2	39
Ballards Tack and Supply, Paducah	3	0	3
Bardstown Mills, Inc., Bardstown	14	0	14
Barn Door Feed & Tack, Louisa	7	0	7
Benge Farm Supply, Inc., London	4	0	4
Berts Pet Center, Ashland	0	6	6
Big Lots - Ashland	0	3	3
Big Lots - Bellevue	0	10	10
Big Lots - Campbellsville	0	4	4
Big Lots - Mayfield	0	3	3
Big Lots - Pikeville	0	3	3
Big Lots - Somerset	0	6	6
Big Lots #1089 - Paducah	0	11	11
Bluegrass Barkery - Old Todds, Lexington	0	7	7
Bluegrass Barkery - Tiverton Way, Lexington	0	7	7
Bluegrass Farm Supply, Marion	8	0	8
Bluegrass Feed & Supply LLC, Hustonville	2	0	2
Bluegrass Seed & Fertilizer, Inc., Bardstown	11	1	12
Bowling Feed & Hardware, Inc., Catlettsburg	6	3	9
Bowlin's Feed, Inc., Albany	8	0	8
Bratcher Custom Feed LLC, Crab Orchard	8	0	8
Brays Feed - Tyner, Tyner	2	0	2
Brodhead Farm Market, Brodhead	10	0	10
Brooksville Farm Supply, Brooksville	6	0	6
Burkesville Feed & Farm Supply, Burkesville	8	2	10
Burkman Feeds - Hardinsburg	21	0	21
Burkman Feeds - Columbia	7	0	7
Burkman Feeds - Edmonton	8	0	8
Burkman Feeds - Lebanon	2	0	2
Burkman Feeds - London	13	0	13
Burkman Feeds LLC - Danville	32	1	33
Burkman Feeds LLC - Glasgow	25	0	25
Calhouns Farm & Pet, Madisonville	0	15	15
Calhouns Feed Service, Madisonville	8	0	8
Caneyville Milling Co, Caneyville	27	0	27
Cargill Animal Nutrition - Winchester plant	30	0	30
Caudill Seed - Morehead	7	0	7
Cedar Valley Harness Shop, Hopkinsville	5	0	5
Central Farm Supply of KY, Inc., Louisville	3	5	8
Central Farmers Supply, Inc., Greensburg	7	0	7
Champion Petfoods USA Inc, Auburn	0	6	6

Table 9. Report of Sampling Locations - 2019.

BusinessName	Sample # by Feed Type		
	Livestock & Ingredient	Pet and Speciality	Total
Chewy Inc, Dania Beach	0	5	5
Circle O Farm & Country Store, Sturgis	6	0	6
Clark's Grocery Feed & Seed, Rockholds	2	0	2
Clements AG Supply Inc, Springfield	7	0	7
Colson's Feed & Garden Supply, Manchester	3	0	3
Commonwealth Agri-Energy LLC, Hopkinsville	2	0	2
Connect Rental & Sales, Sharpsburg	3	0	3
Corbin Farm & Garden Center, Inc., Corbin	1	0	1
Country Farm & Home - Monticello	2	0	2
CPC Commodities LLC, Fountain Run	9	0	9
Creekside Stichin & Feed, Salyersville	1	0	1
Crittenden Farm Lawn & Garden, Crittenden	2	0	2
Custom Feed Mill LLC, Morganfield	26	0	26
Darling Ingredients Inc - Butler (Bakery)	4	0	4
Darling Ingredients Inc - Henderson (Bakery)	1	1	2
Day & Day Feed Mill, Columbia	10	8	18
Dinovite Inc., Crittenden	1	8	9
Dixie Feed & Supply, Falmouth	6	0	6
Dollar General - Albany	0	2	2
Dollar General Market - Franklin	0	11	11
Dollar General Market #13158 - Jamestown	0	7	7
Dollar General Store - Nancy	0	3	3
Dollar Tree - Monticello	0	12	12
Drake's Farm Service, Inc., Morgantown	0	3	3
Dunhams Sports - Somerset	2	2	4
E & L Pets, Madisonville	0	12	12
Enviroflight LLC, Maysville	3	0	3
Excel Equine, Louisville	17	0	17
Fairview General Store, Campbellsville	11	0	11
Falder's - Mayfield, Mayfield	0	3	3
Family Dollar - Lebanon	0	4	4
Family Dollar - Liberty	0	3	3
Family Dollar - Nicholasville	0	9	9
Farmer & Sons, Barbourville	3	0	3
Farmers Feed Mills Inc, Lexington	21	0	21
Feeders Supply - Elizabethtown	1	24	25
Feeders Supply - Frankfort	0	8	8
Feeders Supply - Shelbyville	0	9	9
Feeders Supply - Shelbyville Rd, Louisville	0	3	3
Feeders Supply - Southland Dr., Lexington	0	7	7
Five Star Feed Services, Guthrie	14	0	14
Fleming County Farm Supply, Flemingsburg	5	0	5
Food City - Hazard	0	12	12
Food City - Middlesboro	0	11	11
Food City - Pikeville	0	4	4
Food Fair - Ashland	0	3	3
Food Lion - Glasgow	0	12	12
Food Lion - Scottsville	0	17	17
Four Seasons Farm Garden & Home Supply, Barbourville	3	0	3
Frank L Hinton & Son, Plummers Landing	11	0	11
Frazier's Farmer Supply Co., Inc., Whitesburg	2	0	2
Fred's Dollar Store - Albany	0	3	3
Fred's Inc - Munfordville	0	15	15

Table 9. Report of Sampling Locations - 2019.

BusinessName	Sample # by Feed Type		
	Livestock & Ingredient	Pet and Speciality	Total
Fred's Inc - Murray	0	4	4
Gabbi's Boutique, Henderson	0	35	35
GHC Milling Co, Fordsville	25	0	25
Gilliam's Farm Supply, Olive Hill	4	0	4
Globe Farm Store, Olive Hill	2	0	2
Golden Rod Feeds, Liberty	6	0	6
Good Foods Co-Op - Lexington	0	6	6
Gordon's True Value Hardware, Philpot	4	0	4
Green River Feed Mill Inc, Morgantown	14	0	14
Greenleaf Commodities, Danville	6	0	6
Hall's Feed and Farm, Nicholasville	2	0	2
Hardin County Milling Co Inc, Elizabethtown	19	0	19
Harper's Verona Feed and More, Verona	3	0	3
Hays Feed & Seed LLC, Smiths Grove	7	0	7
Heilman Hardware & Lumber Co., Falmouth	2	1	3
Hilander Feed Inc, Georgetown	3	0	3
Hinton Mills at Cynthiana	2	0	2
Hollison, LLC , Owensboro	0	3	3
Hollywood Feed - Lexington	0	3	3
Hoof N Paw Pet Supply, Richmond	0	27	27
Hoover Feed Mill, Scottsville	5	0	5
Hopkinsville Elevator, Russellville	5	0	5
Hopkinsville Elevator - Auburn	3	0	3
Howe Farm Supply Inc, Vanceburg	1	0	1
IGA - Columbia	0	1	1
IGA - Liberty	0	14	14
IGA - Morgantown	0	2	2
J & H Feed & Tack Inc, Paintsville	25	0	25
J. A. Oldfield & Son, Inc., Mize	3	0	3
J.H. Fedders - Covington	3	7	10
J.H. Fedders - Edgewood	1	0	1
Jabetown Mill, Ewing	13	0	13
Janes Fertilizer & Farm Supply, Columbia	2	0	2
Jeffries Feed Seed & Supply Inc, Campbellsville	2	0	2
Jones Farm & Garden Supply, Whitley City	2	0	2
K & M Feed & Farm LTD, Alexandria	1	0	1
Kee's Farm Service & Supply, LLC., Grayson	7	1	8
Ken's Value Center, Berry	4	0	4
Kentucky Nutrition Service Inc, Lawrenceburg	2	0	2
Kentucky Nutrition Service Inc - Nancy	3	0	3
Kentucky Organic Farm and Feed Inc, Guthrie	5	0	5
Kevil Crop Service dba Rudys Farm Center, Kevil	10	0	10
Keystone Foods - Franklin Feed Mill	10	0	10
K-Mart - Somerset	0	9	9
Kroger - Boston Rd Lexington	0	3	3
Kroger - Corbin	0	12	12
Kroger - Elizabethtown	0	31	31
Kroger - Paducah	0	5	5
Kroger - Whitley City	0	12	12
Kroger #770 - Frederica St Owensboro	0	6	6
Kroger #8409 - London	0	30	30
Kroger #900 - Russell Springs	0	4	4
Lake Cumberland Farmers Coop., Monticello	12	0	12

Table 9. Report of Sampling Locations - 2019.

BusinessName	Sample # by Feed Type		
	Livestock & Ingredient	Pet and Speciality	Total
Lake Cumberland Feed & Farm Supply, LLC, Russell Springs	10	2	12
Lester J Stutzman Feed Mill, Marion	14	0	14
London Market, London	0	10	10
Lone Star Farm & Home, Mt. Vernon	7	1	8
Longs Pic-Pac Galaxy Supermarket, Pineville	0	14	14
Luttrull Feeds, Inc., Pembroke	7	1	8
Lyon Feed Of West Liberty, West Liberty	2	0	2
M & M Farm Supply, Austin	8	0	8
Marion Feed Mill, Marion	6	2	8
Marshall County Coop, Benton	5	17	22
Mays Lick Mill, Mayslick	13	0	13
Mazelin Feed Mill, Scottsville	15	0	15
McCauley Brothers Inc, Versailles	20	0	20
McRay Feed LLC, Harrodsburg	11	0	11
Meijer #168 - Cold Spring	0	10	10
Meijer #184 - Lexington	0	2	2
Meijer #272 - Bowling Green	0	11	11
Meijer #288 - Owensboro	0	10	10
Menards #3290 - Owensboro	0	31	31
Menifee County Farm Supply, Frenchburg	0	2	2
Metzgers Country Store, Simpsonville	1	11	12
MFS Alliance Inc, Edmonton	5	0	5
Mighty Dollar - Russell Springs	0	3	3
Most Valuable Pets, Lexington	0	5	5
Myers Feed & Farm Supply, Corinth	10	0	10
Nancy Supply Company, Nancy	3	0	3
Norbys Farm Fleet, Lebanon	1	3	4
Nutrien Ag Solutions - Campbellsville	1	0	1
Odom's Livestock Supply, Inc., Mayfield	13	0	13
Ollie's Bargain Outlet - Somerset	0	4	4
Ollie's Bargain Outlet #193 - Owensboro	0	7	7
Orscheln Farm & Home - Murray	4	14	18
Owensboro Grain Co LLC, Owensboro	17	0	17
OZ Tyler Distillery, Owensboro	1	0	1
Peck's Farm Supply, LLC - Sharpsburg	6	0	6
Perdue Farms Inc, Livermore	27	0	27
Perdue Farms Inc, Winchester	6	0	6
Performance Feed & Grain - Monticello	13	0	13
Performance Feeds - Caneyville	29	0	29
Performance Feeds - Lancaster	2	0	2
Pet Food Center - Paducah	0	20	20
Pet Supplies Plus - Florence	0	12	12
Pet Supplies Plus - Independence	1	5	6
Pet Valu - Cold Spring	0	9	9
Pet Valu - Frankfort	0	5	5
Pet Valu - Hartland	0	5	5
Pet Valu - Maysville	0	21	21
Pet Valu - Palomar	0	5	5
Pet Wants - Fort Thomas	0	9	9
Petco - Bowling Green	0	20	20
Petco - Frankfort	1	8	9
Petco - Pikeville	1	9	10
Petland - Ashland	0	10	10

Table 9. Report of Sampling Locations - 2019.

BusinessName	Sample # by Feed Type		
	Livestock & Ingredient	Pet and Speciality	Total
Petsense - Danville	0	23	23
Petsense - Georgetown	0	13	13
Petsense - Glasgow	0	30	30
Petsense - Mayfield	0	12	12
Petsense - Mt. Sterling	0	12	12
Petsense - Murray	0	20	20
Petsense - Shelbyville	0	10	10
Petsense - Somerset	0	31	31
Petsmart - Bowling Green	0	23	23
Petsmart - Florence	0	6	6
Petsmart - Hurstbourne Louisville	0	17	17
Petsmart - Paducah	0	26	26
Petsmart - Pavillion Way Lexington	0	16	16
Petsmart - Richmond	0	23	23
Petsmart - Westport Rd Louisville	0	19	19
Petsmart #1968 - Owensboro	0	14	14
Petsmart #2344 - Newport	0	17	17
Petsmart #2384 - Ashland	0	16	16
Petsmart #2760 - Hopkinsville	0	30	30
Phillips Agri Farm, Campbellsville	8	2	10
Pilgrims Pride Corp, Mayfield	26	0	26
Planet Pet - Newport	0	6	6
Pleasant View Agri-Service, Auburn	1	0	1
Poor Boy's Produce & Feed, Salyersville	2	0	2
Prewitt Farm Supply, Inc., Williamsburg	6	0	6
Priceless IGA - Russellville	0	6	6
Priceless IGA - Russellville Rd, Bowling Green	0	5	5
Pro Solutions - Crofton	3	0	3
Pro Solutions - Hopkinsville	2	0	2
Quality Feeds Inc, Versailles	0	6	6
Ralph's Food Fair - Grayson	0	3	3
Ridley Block Operations Inc, Flemingsburg	26	0	26
Riffe's Big Barn Farm Store, Garrison	4	0	4
Rip's Farm Center - Tollesboro	25	0	25
Rip's Farm Center - Wrigley	2	0	2
Roses - Somerset	0	7	7
Rural King Supply - Ashland	4	8	12
Rural King Supply - Glasgow	1	0	1
Rural King Supply - Maysville	10	6	16
Rural King Supply - Paducah	11	31	42
Rural King Supply - Pikeville	4	0	4
Rural King Supply - Radcliff Elizabethtown	0	14	14
Rural King Supply #12 - Owensboro	8	11	19
Russell County Feed Mill Inc, Russell Springs	9	0	9
Sam's Club #4876 - Bowling Green	0	5	5
Save-A-Lot - Bowling Green	0	5	5
Science Hill Milling Co, Science Hill	7	0	7
Seventy Feeds LLC, Eubank	4	0	4
Shucks Fence Co, Inc., Shelbyville	4	0	4
Sligo Feed Mill, Pendleton	5	5	10
Southern Kentucky Feed & Grain, Bowling Green	8	0	8
Southern States - Alexandria	6	1	7
Southern States - Bowling Green	10	1	11

Table 9. Report of Sampling Locations - 2019.

BusinessName	Sample # by Feed Type		
	Livestock & Ingredient	Pet and Speciality	Total
Southern States - Cadiz	0	3	3
Southern States - Campbellsville	2	0	2
Southern States - Carlisle	3	0	3
Southern States - Cynthia	9	0	9
Southern States - Danville	5	0	5
Southern States - Elizabethtown	3	0	3
Southern States - Eminence	4	0	4
Southern States - Flemingsburg	10	1	11
Southern States - Frankfort	1	0	1
Southern States - Georgetown	9	0	9
Southern States - Glasgow	4	0	4
Southern States - Hardinsburg	4	0	4
Southern States - Hopkinsville	3	0	3
Southern States - Liberty	4	0	4
Southern States - London	7	0	7
Southern States - Maysville	14	0	14
Southern States - Owenton	6	0	6
Southern States - Owingsville	11	0	11
Southern States - Paris	6	0	6
Southern States - Richmond	1	0	1
Southern States - Somerset	5	0	5
Stephens Farm Supply, Inc., Olive Hill	3	0	3
Stick's Fencing & Supplies, Paris	1	0	1
Stockdale's, Bowling Green	0	18	18
Summersville Feed Mill, Summersville	2	0	2
The Hyland Company Inc, Ashland	7	24	31
Tomahawk Transport, Salyersville	4	0	4
Tractor Supply #2355 - Benton	6	0	6
Tractor Supply Company #1103 - Ashland	5	0	5
Tractor Supply Company #1212 - Paris	1	0	1
Tractor Supply Company #1265 - Pikeville	1	1	2
Tractor Supply Company #1296 - Morehead	4	0	4
Tractor Supply Company #1298 - LaGrange	5	0	5
Tractor Supply Company #1301 - Paintsville	1	0	1
Tractor Supply Company #1387 - Hazard	5	0	5
Tractor Supply Company #1392 - Alexandria	2	4	6
Tractor Supply Company #1396 - Middlesboro	4	0	4
Tractor Supply Company #1442 - Murray	3	4	7
Tractor Supply Company #1519 - Grayson	4	0	4
Tractor Supply Company #1522 - Berea	2	0	2
Tractor Supply Company #1561 - Williamsburg	2	0	2
Tractor Supply Company #1565 - Frankfort	3	0	3
Tractor Supply Company #1685 - Monticello	3	0	3
Tractor Supply Company #1699 - Harlan	3	0	3
Tractor Supply Company #184 - Paducah	17	1	18
Tractor Supply Company #1956 - Owensboro	5	1	6
Tractor Supply Company #1957 - Owensboro	6	2	8
Tractor Supply Company #1968 - Beaver Dam	4	0	4
Tractor Supply Company #2021 - Liberty	2	3	5
Tractor Supply Company #2118 - Lebanon	3	3	6
Tractor Supply Company #2216 - Barbourville	2	0	2
Tractor Supply Company #248 - Glasgow	0	30	30
Tractor Supply Company #358 - Georgetown	3	3	6

Table 9. Report of Sampling Locations - 2019.

BusinessName	Sample # by Feed Type		
	Livestock & Ingredient	Pet and Speciality	Total
Tractor Supply Company #378 - Richmond	4	0	4
Tractor Supply Company #394 - Florence	3	0	3
Tractor Supply Company #403 - Nicholasville	5	4	9
Tractor Supply Company #405 - Somerset	1	0	1
Tractor Supply Company #416 - Campbellsville	1	0	1
Tractor Supply Company #451 - Maysville	1	4	5
Tractor Supply Company #628 - London	1	4	5
Tractor Supply Company #705 - Hopkinsville	5	6	11
Tractor Supply Company #719 - Mayfield	4	0	4
Tractor Supply Company #749 - Williamstown	2	0	2
Trader Joe's - Lexington	0	3	3
Trader Joe's - Louisville	0	4	4
Tri-County Fertilizer Co., Inc., Richmond	6	0	6
Trigg County Cattleman Association, Cadiz	4	0	4
Tyson Foods Feed Mill, Sebree	31	0	31
United Grocery Outlet - Hazard	0	2	2
United Livestock Commodities, Mayfield	6	0	6
Valley Farm Center Inc, Monticello	3	0	3
Walmart #1190 - Berea	0	11	11
Walmart #1210 - Nicholasville	0	22	22
Walmart #1675 - Lebanon	1	5	6
Walmart #282 - Franklin	0	3	3
Walmart #3363 - Owensboro	0	4	4
Walmart #493 - Paris	1	0	1
Walmart #519 - Harrodsburg	0	5	5
Walmart #569 - Columbia	0	7	7
Walmart #689 - Somerset	1	7	8
Walmart #701 - Owensboro	0	6	6
Warner Fertilizer - Monticello	1	0	1
Warner Fertilizer - Nancy	2	0	2
Whole Foods Market - Lexington	0	14	14
Willard Milling, Inc., Willard	25	16	41
Wil-Mik, Inc., Wittensville	1	0	1
Winchester Feeds Inc, Winchester	9	0	9
Winchester Nutrition, Winchester	1	0	1
Wolf Creek Natl Fish Hatchery, Jamestown	6	0	6
Woodford Feed Co Inc, Versailles	13	0	13
Woosley's Acres Flats Farm & Feed, Philpot	4	0	4
Yoders Feed & Supply, Russellville	11	0	11
Totals	1619	1600	3219

Table 10. Sample Type by Sampling Location - 2019.

BusinessName	Samples			Tests			Sample Violations
	Total	# Passed	% Passed	Total	# Passed	% Passed	
Adairville Feed Mill - Adairville, KY	7	6	85.7%	40	39	97.5%	Salt (1)
Adairville Feed Mill #2 - Russellville, KY	10	10	100.0%	55	55	100.0%	
Addiction Foods LLC, Kent, WA	1	1	100.0%	13	13	100.0%	
ADM Alliance Nutrition Inc, Quincy, IL	10	8	80.0%	97	93	95.9%	C Protein (1) Salt (1) Mn (1) Vit A (1)
ADM Corn Processing, Decatur, IL	2	2	100.0%	3	3	100.0%	
Advanced Wildlife Solutions, Reynolds, GA	1	0	0.0%	5	3	60.0%	Ca (1) P (1)
Against The Grain, Wheeling, IL	3	2	66.7%	33	32	97.0%	C Protein (1)
Ainsworth Pet Nutrition, Meadville, PA	15	14	93.3%	177	176	99.4%	P (1)
Albany Building Center, Inc., Albany, KY	1	1	100.0%	8	8	100.0%	
Aldi Inc, Batavia, IL	8	8	100.0%	100	100	100.0%	
Allen County Farmers Service, Inc., Scottsville, KY	4	4	100.0%	16	16	100.0%	
Alltech Inc - Nicholasville, KY	1	1	100.0%	1	1	100.0%	
Almo Nature USA Inc, Miami, FL	5	5	100.0%	11	11	100.0%	
Amazon.com Services, Inc., Seattle, WA	1	1	100.0%	14	14	100.0%	
American Journey LLC, Dania Beach, FL	8	7	87.5%	103	102	99.0%	P (1)
American Natural Premium, Cedarburg, WI	1	1	100.0%	13	13	100.0%	
American Pet Nutrition Inc, Ogden, UT	7	4	57.1%	36	32	88.9%	AH Fat (1) Ca (1) P (1) Ca:P (1)
American Tuna Inc, Bonita, CA	1	0	0.0%	13	11	84.6%	Ca (1) Zn (1)
Anderson County Farm Service, Inc., Lawrenceburg, KY	2	1	50.0%	9	6	66.7%	Ca (1) P (1) Cu (1)
Ani-Logics Outdoors LLC, Worthington, MN	1	0	0.0%	8	6	75.0%	C Protein (1) Salt (1)
Antler King Trophy Products, Inc., Black River Falls, WI	3	3	100.0%	22	22	100.0%	
Archer Daniel Midland Co, Decatur, IL	3	3	100.0%	9	9	100.0%	
Arcus Hunting LLC, Covington, GA	1	1	100.0%	11	11	100.0%	
Ark Naturals, Naples, FL	1	1	100.0%	2	2	100.0%	
Arnold Feed & Seed, Campbellsville, KY	1	0	0.0%	9	6	66.7%	C Protein (1) K (1) Zn (1)
Arthur Dogswell LLC, Los Angeles, CA	1	0	0.0%	2	1	50.0%	AH Fat (1)
Arthur Pet Products, Salisbury, MD	12	4	33.3%	25	16	64.0%	C Protein (1) AH Fat (8)
Ashland Milling Company, Inc., Ashland, KY	9	5	55.6%	36	32	88.9%	C Protein (2) Ca (1) Salt (1)
Associated Wholesale Grocers, Kansas City, KS	9	9	100.0%	91	91	100.0%	
Authority Pet Food Co, Phoenix, AZ	12	9	75.0%	147	144	98.0%	C Protein (1) Cu (1) Ca:P (1)
B&R Pet Treats Co., Denver, CO	1	1	100.0%	2	2	100.0%	
Bagdad Roller Mills, Inc., Bagdad, KY	30	24	80.0%	164	157	95.7%	C Protein (5) P (1) Cu (1)
Bagel House LLC, Lake Zurich, IL	1	0	0.0%	3	2	66.7%	AH Fat (1)

Table 10. Sample Type by Sampling Location - 2019.

BusinessName	Samples			Tests			Sample Violations
	Total	# Passed	% Passed	Total	# Passed	% Passed	
Bardstown Mills, Inc., Bardstown, KY	24	2	8.3%	158	118	74.7%	C Protein (17) C Fiber (2) AD Fiber (3) Ca (1) P (3) Salt (2) Cu (6) Zn (6)
Barkworthies, Richmond, VA	1	1	100.0%	2	2	100.0%	
Barton Brands Ltd, Bardstown, KY	1	0	0.0%	3	2	66.7%	C Protein (1)
Bears Bone Bakery, Evansville, IN	1	1	100.0%	2	2	100.0%	
Bellyrubs Organic, Scottsdale, AZ	1	0	0.0%	2	1	50.0%	C Protein (1)
Bench & Field Pet Foods LLC, Miskawaka, IN	2	2	100.0%	25	25	100.0%	
Best Buy Bones, Mount Morris, MI	2	2	100.0%	3	3	100.0%	
Best Friends Foods, Natick, MA	5	5	100.0%	62	62	100.0%	
Big & J Industries Inc, Grand Island, NE	1	1	100.0%	8	8	100.0%	
Big Heart Pet Brands, Pittsburgh, PA	14	13	92.9%	119	118	99.2%	AH Fat (1)
Bil Jac Foods Inc, Medina, OH	1	1	100.0%	3	3	100.0%	
Biozyme Incorporated, St Joseph, MO	2	2	100.0%	21	21	100.0%	
Birdola Products, Blacksburg, VA	1	0	0.0%	2	1	50.0%	AH Fat (1)
Bixbi Pet, Boulder, CO	4	1	25.0%	41	34	82.9%	C Protein (1) AH Fat (3) Ca (1) P (1) Ca:P (1)
Blain Supply Inc., Janesville, WI	1	1	100.0%	10	10	100.0%	
Blue Buffalo Co LTD, Wilton, CT	16	15	93.8%	147	146	99.3%	AH Fat (1)
Blue Dog Bakery, Seattle, WA	1	1	100.0%	2	2	100.0%	
Bluegrass Barkery - Shaker Run, Lexington, KY	2	2	100.0%	4	4	100.0%	
Bluegrass Farm Supply, Marion, KY	6	5	83.3%	30	29	96.7%	C Protein (1)
Bluegrass Feed & Supply LLC, Hustonville, KY	2	2	100.0%	8	8	100.0%	
Bluegrass Seed & Fertilizer, Inc., Bardstown, KY	14	8	57.1%	68	59	86.8%	C Protein (3) AD Fiber (1) Salt (2) Cu (1) K (1) Moisture (1)
Bocce's Bakery, Brooklyn, NY	4	4	100.0%	8	8	100.0%	
Bowlin's Feed, Inc., Albany, KY	2	2	100.0%	9	9	100.0%	
Bowman Milling, Pochontas, MO	1	0	0.0%	6	5	83.3%	Zn (1)
Bratcher Custom Feed LLC, Crab Orchard, KY	6	2	33.3%	32	26	81.3%	C Protein (1) Ca (1) P (2) Se (1) Zn (1)
Breeders Choice Pet Foods Inc, Irwindale, CA	1	1	100.0%	13	13	100.0%	
Brodhead Farm Market, Brodhead, KY	12	5	41.7%	83	69	83.1%	C Protein (6) Ca (1) Salt (4) Se (3)
Brooksville Farm Supply, Brooksville, KY	4	4	100.0%	28	28	100.0%	
Brutus Broth LLC, Owings, MD	1	0	0.0%	3	2	66.7%	C Protein (1)
Buckley Bros Inc, Wilmington, OH	1	1	100.0%	4	4	100.0%	
Buckley Pet, Boulder, CO	2	0	0.0%	26	23	88.5%	C Protein (2) AH Fat (1)
Buddy Biscuits, Chesterfield, MO	4	3	75.0%	8	7	87.5%	C Protein (1)
Buddy Valastro Pet, Janesville, WI	1	0	0.0%	2	1	50.0%	C Protein (1)
Bunge Milling - Danville, IL	1	1	100.0%	2	2	100.0%	

Table 10. Sample Type by Sampling Location - 2019.

BusinessName	Samples			Tests			Sample Violations
	Total	# Passed	% Passed	Total	# Passed	% Passed	
Bunge NA (East) LLC - Morristown, IN	5	4	80.0%	10	9	90.0%	C Protein (1)
Bunge NA Inc - Cairo, IL	16	12	75.0%	32	27	84.4%	C Protein (1) C Fiber (4)
Burkman Feeds - Bowling Green, KY	7	4	57.1%	27	24	88.9%	C Protein (2) Ca (1)
Burkman Feeds - Columbia, KY	3	2	66.7%	21	20	95.2%	Salt (1)
Burkman Feeds - Edmonton, KY	1	0	0.0%	8	7	87.5%	Salt (1)
Burkman Feeds - Hardinsburg, KY	11	6	54.5%	57	51	89.5%	C Protein (2) Fat (1) Salt (2) Se (1)
Burkman Feeds - London, KY	7	5	71.4%	39	36	92.3%	C Protein (2) Salt (1)
Burkman Feeds LLC - Danville, KY	58	40	69.0%	467	445	95.3%	C Protein (4) Fat (1) P (1) Salt (5) Co (1) Mn (2) K (4) Se (1) S (1) Zn (1) Vit A (1)
Burkman Feeds LLC - Glasgow, KY	25	20	80.0%	112	106	94.6%	C Protein (4) Salt (1)
Busch Agricultural Resources, Jonesboro, AR	1	1	100.0%	3	3	100.0%	
Butcher's Block Pet Treats LLC, Omaha, NE	1	1	100.0%	2	2	100.0%	
Calcium Products, Swayzee, IN	1	1	100.0%	1	1	100.0%	
Calhouns Feed Service, Madisonville, KY	3	2	66.7%	11	10	90.9%	C Protein (1)
Caneyville Milling Co, Caneyville, KY	25	22	88.0%	94	91	96.8%	C Protein (2) Salt (1)
Canidae Corporation, Norco, CA	11	4	36.4%	127	118	92.9%	AH Fat (4) Ca (2) P (2) Na (1)
Canine Caviar Pet Foods Inc., Norco, CA	1	0	0.0%	2	1	50.0%	C Protein (1)
Cardinal Laboratories Inc, Azusa, CA	7	5	71.4%	15	13	86.7%	AH Fat (2)
Cargill Animal Nutrition, Minneapolis, MN	110	92	83.6%	835	815	97.6%	C Protein (13) Fat (1) Salt (1) Na (1) Vit A (2) Lasalocid (2)
Cargill Dry Corn Ingredients, Paris, IL	1	1	100.0%	3	3	100.0%	
Cargill Incorporated, Minneapolis, MN	4	4	100.0%	27	27	100.0%	
Carne4 Inc, Toronto, ON	1	0	0.0%	7	3	42.9%	C Protein (1) AH Fat (1) Ca (1) P (1)
Carnivore Meat Co LLC, Green Bay, WI	1	0	0.0%	11	10	90.9%	AH Fat (1)
Carolina Prime Pet, Lenoir, NC	1	1	100.0%	2	2	100.0%	
Castor & Pollux Pet Works, Amarillo, TX	5	3	60.0%	42	39	92.9%	C Protein (1) Cu (1) Zn (1)
Central Farm & Garden, Wooster, OH	2	1	50.0%	4	3	75.0%	AH Fat (1)
Central Farm Supply of KY, Inc., Louisville, KY	20	19	95.0%	136	135	99.3%	Salt (1)

Table 10. Sample Type by Sampling Location - 2019.

BusinessName	Samples			Tests			Sample Violations
	Total	# Passed	% Passed	Total	# Passed	% Passed	
Central Farmers Supply, Inc., Greensburg, KY	5	2	40.0%	26	22	84.6%	C Protein (1) Ca (1) Cu (1) Zn (1)
Champion Petfoods USA Inc, Auburn, KY	7	7	100.0%	73	73	100.0%	
Chicken Soup for the Pet Lover's Soul, Cos Cob, CT	7	7	100.0%	59	59	100.0%	
Chipper Pet LLC, Takoma Park, MD	2	2	100.0%	6	6	100.0%	
CHS Inc, Inver Grove Heights, MN	4	4	100.0%	16	16	100.0%	
Clark's Grocery Feed & Seed, Rockholds, KY	2	2	100.0%	10	10	100.0%	
Claudia's Canine Bakery, Maumelle, AR	21	18	85.7%	42	39	92.9%	C Protein (2) AH Fat (1)
Clements AG Supply Inc, Springfield, KY	5	3	60.0%	25	23	92.0%	C Protein (1) K (1)
Cloud Star, San Luis Obispo, CA	4	3	75.0%	8	7	87.5%	AH Fat (1)
Cobalt International, Rock Hill, SC	2	0	0.0%	6	1	16.7%	C Protein (2) AH Fat (1) P (2)
Commonwealth Agri-Energy LLC, Hopkinsville, KY	2	2	100.0%	8	8	100.0%	
Complete Catered Concepts, Omaha, NE	1	1	100.0%	12	12	100.0%	
Consolidated Grain & Barge, Mt Vernon, IN	10	10	100.0%	20	19	95.0%	
Consumers Supply Distributing, North Sioux City, SD	5	4	80.0%	23	22	95.7%	C Protein (1)
Cormier Rice Milling Co, Dewitt, AR	1	1	100.0%	3	3	100.0%	
Country Acres Feed Co Inc, Brentwood, MO	2	1	50.0%	13	12	92.3%	Zn (1)
CPC Commodities LLC, Fountain Run, KY	39	32	82.1%	329	319	97.0%	C Protein (5) C Fiber (1) AD Fiber (1) Se (1) Vit A (1) Lasalocid (1)
Cullman Blend Mill, Cullman, AL	7	7	100.0%	36	36	100.0%	
Custom Feed Mill LLC, Morganfield, KY	3	1	33.3%	18	16	88.9%	C Protein (2)
D & D Commodities, Stephen, MN	3	1	33.3%	6	4	66.7%	C Protein (1) AH Fat (1)
Darling International Inc, Irving, TX	15	15	100.0%	27	27	100.0%	
Dave's Pet Food, Agawam, MA	5	3	60.0%	64	62	96.9%	AH Fat (1) Ash (1)
Day & Day Feed Mill, Columbia, KY	4	3	75.0%	24	23	95.8%	AD Fiber (1)
Delightables, Eagle, ID	1	1	100.0%	2	2	100.0%	
Diamond Pet Foods Co, Meta, MO	12	11	91.7%	101	100	99.0%	P (1)
Dick Van Patten's, Burbank, CA	10	7	70.0%	114	110	96.5%	AH Fat (1) Ca (1) Ca:P (2)
Diggin Your Dog, Reno, NV	1	1	100.0%	2	2	100.0%	
Dinovite Inc., Crittenden, KY	9	6	66.7%	30	26	86.7%	C Protein (1) AH Fat (3)
Distinctive Dog, Auburn, WA	1	0	0.0%	2	1	50.0%	AH Fat (1)
Dixie Feeds LLC, Falmouth, KY	1	1	100.0%	7	7	100.0%	
Do-All Outdoors LLC, Nashville, TN	1	0	0.0%	10	4	40.0%	Cu (1) Fe (1) Mg (1) Mn (1) K (1) S (1)
Doggy Delirious, Monroe, WA	1	1	100.0%	2	2	100.0%	
DolgenCorp LLC, Goodlettsville, TN	11	10	90.9%	121	120	99.2%	AH Fat (1)
Dr Harvey's, Atlantic Highlands, NJ	1	1	100.0%	2	2	100.0%	
Dr. Tim's Pet Food Company, Marquette, MI	1	1	100.0%	15	15	100.0%	
Durvet Inc, Blue Springs, MO	2	1	50.0%	9	8	88.9%	Ash (1)

Table 10. Sample Type by Sampling Location - 2019.

BusinessName	Samples			Tests			Sample Violations
	Total	# Passed	% Passed	Total	# Passed	% Passed	
DZA Brands LLC, Salisbury, NC	10	8	80.0%	106	104	98.1%	P (1) Ca:P (1)
Earth Animal, Westport, CT	2	1	50.0%	4	3	75.0%	AH Fat (1)
Eggland's Best, LLC, Malvern, PA	1	1	100.0%	12	12	100.0%	
Emmy's Best Premium Pet Products, Allen, TX	1	1	100.0%	2	2	100.0%	
Enviroflight LLC, Maysville, KY	3	3	100.0%	14	14	100.0%	
Equus Magnificus, White Bear Lake, MN	1	1	100.0%	2	2	100.0%	
Evangers Dog & Cat Food Co Inc, Wheeling, IL	3	0	0.0%	18	13	72.2%	AH Fat (3) Ca (1) P (1)
Evolved Habitats, New Roads, LA	5	4	80.0%	28	25	89.3%	Salt (1) Se (1) Zn (1)
Excel Equine, Louisville, KY	14	12	85.7%	113	110	97.3%	C Protein (1) AD Fiber (1) ND Fiber (1)
Exclusively Pet Inc, Milwaukee, WI	6	5	83.3%	13	12	92.3%	C Protein (1)
F M Browns Sons Inc, Sinking Spring, PA	6	5	83.3%	23	22	95.7%	C Protein (1)
Faithway Feed Co Inc, Guntersville, AL	3	3	100.0%	39	39	100.0%	
Family Dollar Services, Charlotte, NC	7	7	100.0%	59	59	100.0%	
Farm House, Milton, WV	5	2	40.0%	27	18	66.7%	C Protein (2) Ca (1) P (2) Cu (2) Zn (2)
Farmers Feed Mills Inc, Lexington, KY	20	20	100.0%	173	173	100.0%	
Farmina Pet Foods, New York, NY	1	1	100.0%	14	14	100.0%	
Farnam Co - Horse Products Division, Phoenix, AZ	1	0	0.0%	13	10	76.9%	Fe (1) Zn (1) Vit A (1)
Federated Foods Inc., Arlington Heights, IL	2	2	100.0%	14	14	100.0%	
Feed Products & Service Co, St Louis, MO	2	2	100.0%	2	2	100.0%	
Feed Solutions, Arden Hills, MN	3	3	100.0%	17	17	100.0%	
Feeders Supply - Baxter Ave, Louisville, KY	2	2	100.0%	6	6	100.0%	
Five Star Feed Services, Guthrie, KY	11	7	63.6%	84	80	95.2%	C Protein (2) AD Fiber (1) Na (1)
Fleming Wholesale & Supply Inc., Ramer, AL	1	1	100.0%	10	10	100.0%	
Fluker Farms Inc, Port Allen, LA	1	1	100.0%	4	4	100.0%	
Foodhold USA LLC, Landover, MD	7	5	71.4%	73	71	97.3%	Cu (2)
Foppers Pet Treat Bakery, Logansport, IN	1	0	0.0%	2	1	50.0%	AH Fat (1)
Formax Feeds, Danville, KY	14	8	57.1%	97	88	90.7%	C Protein (3) AD Fiber (1) Salt (3) Se (2)
Forza10 USA, Aventura, FL	1	1	100.0%	12	12	100.0%	
Four Seasons Farm Garden & Home Supply, Barbourville, KY	3	1	33.3%	16	13	81.3%	C Protein (1) C Fiber (1) Cu (1)
Frank L Hinton & Son, Plummers Landing, KY	33	27	81.8%	215	206	95.8%	C Protein (3) AD Fiber (1) Salt (2) Cu (2) Se (1)
Freds Inc, Memphis, TN	1	1	100.0%	13	13	100.0%	
Fresh Is Best, Milwaukee, WI	1	1	100.0%	0	0	0.0%	
Fresh Pet, Secaucus, NJ	2	1	50.0%	16	14	87.5%	Ca (1) P (1)

Table 10. Sample Type by Sampling Location - 2019.

BusinessName	Samples			Tests			Sample Violations
	Total	# Passed	% Passed	Total	# Passed	% Passed	
Fromm Family Foods LLC, Mequon, WI	10	9	90.0%	106	105	99.1%	Ca:P (1)
Furst-McNess Co, Freeport, IL	2	0	0.0%	27	22	81.5%	Co (2) Se (2) S (1)
Garmon Corp, Temecula, CA	1	1	100.0%	2	2	100.0%	
Gee's Specialty Nutrition, Mt. Vernon, IL	1	1	100.0%	5	5	100.0%	
General Nutrition Company, Pittsburgh, PA	1	1	100.0%	2	2	100.0%	
Gentle Giants Products Inc., Norco, CA	1	1	100.0%	13	13	100.0%	
GHC Milling Co, Fordsville, KY	16	13	81.3%	110	106	96.4%	C Protein (2) P (1) Salt (1)
Give Pet, Overland Park, KS	3	3	100.0%	6	6	100.0%	
Global Harvest Birdseed, Seattle, WA	2	1	50.0%	6	5	83.3%	Zn (1)
Global One Pet, Aliso Viejo, CA	11	9	81.8%	74	72	97.3%	C Protein (1) Ca (1)
Golden Rod Feeds, Liberty, KY	4	4	100.0%	28	28	100.0%	
Goldenfeast inc, Phoenixville, PA	1	0	0.0%	3	2	66.7%	AH Fat (1)
Gott Pet Products LLC, St Francis, WI	2	2	100.0%	4	4	100.0%	
Grain Processing Corp - Indiana, Washington, IN	1	1	100.0%	2	2	100.0%	
Grandma Lucy's, Rancho Santa Margarita, CA	1	1	100.0%	2	2	100.0%	
Grandma Mae's Country Naturals, New York, NY	2	2	100.0%	24	24	100.0%	
Greater Good Brands LLC, Wilmington, DE	5	5	100.0%	21	21	100.0%	
Green Coast Pet, Pasadena, CA	1	0	0.0%	2	0	0.0%	C Protein (1) AH Fat (1)
Green Plains Obion, Rives, TN	6	6	100.0%	18	18	100.0%	
Green River Feed Mill Inc, Morgantown, KY	14	9	64.3%	57	52	91.2%	C Protein (2) P (1) Salt (1) Zn (1)
Greenbrier International, Chesapeake, VA	8	7	87.5%	52	51	98.1%	Cu (1)
Greenleaf Commodities, Danville, KY	6	4	66.7%	34	32	94.1%	C Protein (2)
Gro-Tec Inc, Modoc, IN	3	3	100.0%	12	12	100.0%	
Halo-Purely for Pets, Tampa, FL	8	7	87.5%	102	100	98.0%	Ca (1) P (1)
Hanby Farms Feed & Supply, Nashport, OH	2	2	100.0%	19	19	100.0%	
Happy Hen Treats, Boerne, TX	1	0	0.0%	6	5	83.3%	P (1)
Hardin County Milling Co Inc, Elizabethtown, KY	14	13	92.9%	69	68	98.6%	C Fiber (1)
Hartz Mountain Corporation, Secaucus, NJ	11	9	81.8%	30	28	93.3%	AH Fat (2)
Hays Feed & Seed LLC, Smiths Grove, KY	6	0	0.0%	50	33	66.0%	C Protein (4) AD Fiber (2) Ca (1) Salt (3) Cu (4) K (1) Zn (2)
HBD International Inc, Brentwood, TN	2	1	50.0%	5	4	80.0%	AH Fat (1)
Health Extension Pet Care, Deer Park, NY	2	1	50.0%	26	25	96.2%	Ash (1)
Health Pro Nutrition, South El Monte, CA	4	2	50.0%	6	4	66.7%	C Protein (2)
Healthy Chews Inc., North Haven, CT	1	0	0.0%	2	1	50.0%	C Protein (1)
Healthy Treats Inc., Naples, FL	4	2	50.0%	8	6	75.0%	C Protein (1) AH Fat (1)
Heartland Wildlife, Upper Sandusky, OH	1	0	0.0%	9	7	77.8%	Mn (1) Se (1)
Herbsmith Inc, Hartland, WI	1	1	100.0%	2	2	100.0%	
Herd Evolution, Richmond, KY	1	0	0.0%	12	10	83.3%	Salt (1) Se (1)
Higgins Group Corporation, Miami, FL	7	6	85.7%	15	14	93.3%	AH Fat (1)
Hikari Sales USA Inc, Hayward, CA	2	2	100.0%	8	8	100.0%	

Table 10. Sample Type by Sampling Location - 2019.

BusinessName	Samples			Tests			Sample Violations
	Total	# Passed	% Passed	Total	# Passed	% Passed	
Hilander Feed Inc, Georgetown, KY	2	2	100.0%	7	7	100.0%	
Hills Pet Nutrition Inc, Topeka, KS	11	11	100.0%	58	58	100.0%	
Himalayan Corporation, Mukilteo, WA	3	0	0.0%	6	3	50.0%	C Protein (3)
Hirsch Feed & Farm Supply Inc., Thayer, MO	6	4	66.7%	33	31	93.9%	C Protein (1) Cu (1)
Hollison, LLC , Owensboro, KY	3	3	100.0%	6	6	100.0%	
Hoover Feed Mill, Scottsville, KY	5	5	100.0%	31	31	100.0%	
Horse Health Products, Phoenix, AZ	1	0	0.0%	11	9	81.8%	Ca (1) S (1)
Hound & Gatos Pet Foods Corp, Atlanta, GA	3	2	66.7%	39	38	97.4%	C Protein (1)
Hubbard Feeds Inc, Hankato, MN	9	7	77.8%	68	66	97.1%	Se (1) Vit A (1)
Hugs Pet Products, Montreal, MO	1	1	100.0%	13	13	100.0%	
I and Love and You, Boulder, CO	4	2	50.0%	49	47	95.9%	AH Fat (1) Ca:P (1)
IAMK9 Pets, Pleasanton, CA	1	0	0.0%	5	4	80.0%	AH Fat (1)
IcelandicPlus LLC, Ft. Washington, PA	1	0	0.0%	1	0	0.0%	C Protein (1)
IMS Pet Industries, Wood Ridge, NJ	6	6	100.0%	12	12	100.0%	
Inaba Foods (USA) Inc, Torrance, CA	4	4	100.0%	5	5	100.0%	
Incobrasa Industries LTD, Gilman, IL	1	1	100.0%	2	2	100.0%	
Inter American, Cincinnati, OH	18	10	55.6%	141	133	94.3%	C Protein (1) AH Fat (6) Ca:P (1)
International Pet Foods Co, Miami, FL	1	1	100.0%	13	13	100.0%	
Intl Pet Supplies/Distributing, San Diego, CA	15	13	86.7%	168	164	97.6%	AH Fat (1) Ca (1) P (1) Ca:P (1)
Ivesco LLC, Iowa Falls, IA	1	1	100.0%	7	7	100.0%	
J & H Feed & Tack Inc, Paintsville, KY	19	8	42.1%	104	91	87.5%	C Protein (4) Fat (1) Ca (1) P (4) Salt (1) Cu (2)
J E Ronicker Labs Inc, West Milton, OH	3	2	66.7%	14	12	85.7%	Ca (1) Vit A (1)
J.E.S. Supply, Prattville, AL	1	1	100.0%	10	10	100.0%	
Jenkins Feed Service , Adams, TN	4	1	25.0%	24	20	83.3%	C Protein (1) Cu (2) Zn (1)
Jim Beam Brands Co - Clermont, KY	2	2	100.0%	6	6	100.0%	
Jiminy's LLC, Berkley, CA	1	1	100.0%	2	2	100.0%	
JRB Foods Inc, Sharon Center, OH	2	2	100.0%	4	4	100.0%	
Just Food for Dogs LLC, Irvine, CA	1	0	0.0%	13	12	92.3%	C Protein (1)
K9 Granola Factory, Thomasville, PA	1	0	0.0%	2	1	50.0%	AH Fat (1)
K9 Natural Food, Christchurch, NZ	2	1	50.0%	4	3	75.0%	AH Fat (1)
Kalmbach Feeds Inc, Upper Sandusky, OH	42	42	100.0%	397	397	100.0%	
Kasel Industries, Denver, CO	1	0	0.0%	2	1	50.0%	AH Fat (1)
Kaylor of Colorado, Greeley, CO	1	0	0.0%	3	2	66.7%	Ash (1)
Kaytee Products Inc, Chilton, WI	14	10	71.4%	28	24	85.7%	AH Fat (4)
KDR Pet Treats LLC, Fresno, CA	8	2	25.0%	17	9	52.9%	C Protein (6) AH Fat (2)
Kee's Farm Service & Supply, LLC., Grayson, KY	2	2	100.0%	8	8	100.0%	
Kelly Foods Corporation, Medina, OH	9	7	77.8%	93	91	97.8%	P (1) Ca:P (1)

Table 10. Sample Type by Sampling Location - 2019.

BusinessName	Samples			Tests			Sample Violations
	Total	# Passed	% Passed	Total	# Passed	% Passed	
Kent Nutrition Group Inc, Muscatine, IA	13	11	84.6%	102	100	98.0%	AH Fat (1) K (1)
Kentucky Equine Research Inc, Versailles, KY	1	1	100.0%	10	10	100.0%	
Kentucky Nutrition Service Inc, Lawrenceburg, KY	3	2	66.7%	27	26	96.3%	Vit A (1)
Kentucky Nutrition Service Inc - Nancy, KY	9	7	77.8%	87	85	97.7%	P (1) Vit A (1)
Kentucky Organic Farm and Feed Inc, Guthrie, KY	3	3	100.0%	14	14	100.0%	
KER Sport Horse Nutrition, Versailles, KY	1	1	100.0%	10	10	100.0%	
Kettle Craft Pet Products, Kelowna, BC	2	0	0.0%	8	5	62.5%	Mg (1) Ash (2)
Kevil Crop Service dba Rudys Farm Center, Kevil, KY	1	0	0.0%	11	9	81.8%	C Protein (1) Vit A (1)
Koch Chinchilla Ranch, Cincinnati, OH	1	1	100.0%	3	3	100.0%	
Kong Company, Golden, CO	3	3	100.0%	8	8	100.0%	
Kreamer Feed Inc, Kreamer, PA	8	8	100.0%	35	35	100.0%	
Kroger, Cincinnati, OH	29	24	82.8%	263	257	97.7%	C Protein (2) AH Fat (2) P (1) Cu (1)
Lake Cumberland Feed & Farm Supply, LLC, Russell Springs, KY	3	1	33.3%	19	16	84.2%	C Protein (2) Se (1)
Lebanon Seaboard Corporation, Lebanon, PA	1	1	100.0%	2	2	100.0%	
Leo Gabbard, West Harrison, IN	1	0	0.0%	13	11	84.6%	Ca (1) P (1)
Lester J Stutzman Feed Mill, Marion, KY	10	6	60.0%	44	40	90.9%	C Protein (1) AD Fiber (2) P (1)
Life Data Labs Inc, Cherokee, AL	2	2	100.0%	17	17	100.0%	
Lincolnland Agri-Energy, Palestine, IL	4	4	100.0%	16	16	100.0%	
LM Animal Farms, Pleasant Plain, OH	1	1	100.0%	4	4	100.0%	
Loving Pets Products, Cranbury, NJ	11	1	9.1%	23	10	43.5%	C Protein (5) AH Fat (8)
Lowes Pellets & Grain Inc, Greensburg, IN	1	1	100.0%	4	4	100.0%	
Lucy Pet Products LLC, Westlake Village, CA	2	1	50.0%	15	14	93.3%	AH Fat (1)
Luttrull Feeds, Inc., Pembroke, KY	6	4	66.7%	33	31	93.9%	C Protein (1) Salt (1)
M & M Farm Supply, Austin, KY	8	5	62.5%	36	31	86.1%	C Protein (1) C Fiber (1) AD Fiber (1) Cu (2)
Manna Pro Products LLC, Chesterfield, MO	23	18	78.3%	138	132	95.7%	C Protein (2) Fat (1) Ca (1) Na (1)
Marion Feed Mill, Marion, KY	1	0	0.0%	9	8	88.9%	Zn (1)
Mars Fishcare North America Inc, Chalfont, PA	2	2	100.0%	4	4	100.0%	
Mars Petcare US Inc, Franklin, TN	51	39	76.5%	508	496	97.6%	Ca (1) P (4) Ash (1) Ca:P (6)
Marshall Pet Products, Wolcott, NY	4	4	100.0%	8	8	100.0%	
Mar-Vo Mineral Co Inc, Osseo, MI	2	2	100.0%	6	6	100.0%	
Matroos Pet	1	1	100.0%	2	2	100.0%	
Mazelin Feed Mill, Scottsville, KY	15	10	66.7%	90	84	93.3%	C Protein (4) Fat (1) Ca (1)
McCaughey Brothers Inc, Versailles, KY	21	20	95.2%	173	172	99.4%	Ca (1)
McRay Feed LLC, Harrodsburg, KY	12	11	91.7%	61	60	98.4%	C Protein (1)

Table 10. Sample Type by Sampling Location - 2019.

BusinessName	Samples			Tests			Sample Violations
	Total	# Passed	% Passed	Total	# Passed	% Passed	
Meijer Inc, Grand Rapids, MI	9	8	88.9%	42	41	97.6%	C Protein (1)
Melick Aqua Feed Inc, Catawissa, PA	1	1	100.0%	4	4	100.0%	
Menard Inc, Eau Claire, WI	3	2	66.7%	16	15	93.8%	AH Fat (1)
Merrick Pet Care Inc, Amarillo, TX	11	8	72.7%	126	120	95.2%	Ca (1) P (1) Cu (1) Zn (1) Ca:P (2)
MFS Alliance Inc, Edmonton, KY	2	2	100.0%	3	3	100.0%	
MGPLI of Indiana LLC, Lawrenceburg, IN	1	0	0.0%	3	2	66.7%	Fat (1)
Mid America Pet Food LLC, Mt Pleasant, TX	2	1	50.0%	28	27	96.4%	Ca (1)
Midco Distributing, Mendota Heights, MN	4	4	100.0%	51	51	100.0%	
Midwest Agri Commodities Co, San Rafael, CA	2	2	100.0%	5	5	100.0%	
Midwestern Pet Foods Inc, Evansville, IN	8	8	100.0%	80	80	100.0%	
Milk Products, Chilton, WI	2	1	50.0%	11	10	90.9%	Vit A (1)
Mills and Sons Farm LLC, Dover, KY	2	0	0.0%	2	0	0.0%	C Protein (2)
Milo's Kitchen LLC, Pittsburgh, PA	13	4	30.8%	26	17	65.4%	AH Fat (9)
Miracle Corp Products, Dayton, OH	4	1	25.0%	8	5	62.5%	C Protein (1) AH Fat (2)
Mississippi Lime Co, St Louis, MO	2	2	100.0%	2	2	100.0%	
Monniq Brothers, Ironton, OH	4	4	100.0%	24	24	100.0%	
Mosaic Global Sales LLC, Lithia, FL	1	1	100.0%	2	2	100.0%	
Mountain Materials, Castlewood, VA	1	1	100.0%	1	1	100.0%	
MPM Products USA Inc, Kennesaw, GA	11	9	81.8%	45	43	95.6%	Ash (2)
MVP Nutrition, Marion, IN	1	1	100.0%	6	6	100.0%	
Myers Feed & Farm Supply, Corinth, KY	7	4	57.1%	43	40	93.0%	C Protein (3)
Natural Polymer Intl Corp, Plano, TX	2	2	100.0%	4	4	100.0%	
Natures Animals Inc, Mamaroneck, NY	5	5	100.0%	11	11	100.0%	
Natures Logic, Lincoln, NE	8	5	62.5%	21	18	85.7%	AH Fat (3)
Natures Recipe Pet Foods, Pittsburgh, PA	9	8	88.9%	116	115	99.1%	Ca:P (1)
Natures Variety, Lincoln, NE	14	10	71.4%	135	130	96.3%	AH Fat (2) Ca (2) P (1)
Nestle Purina Petcare Co, St Louis, MO	42	36	85.7%	323	316	97.8%	AH Fat (5) Ca (1) P (1)
Newman's Own Organics, Aptos, CA	11	6	54.5%	43	35	81.4%	AH Fat (5) Ca (1) K (1) Ca:P (1)
Nootie LLC, Delray Beach, FL	4	2	50.0%	29	26	89.7%	Ca (1) P (1) Ash (1)
Nu Tech Biosciences Inc, Oneida, NY	1	1	100.0%	3	3	100.0%	
Nulo Inc, Austin, TX	17	13	76.5%	177	172	97.2%	C Protein (2) AH Fat (2) P (1)
Nummy Tum Tum, Corvallis, OR	1	1	100.0%	1	1	100.0%	
Nunn Milling Company Inc, Evansville, IN	17	10	58.8%	87	78	89.7%	C Protein (2) AH Fat (2) Ca (1) Ash (3) Ca:P (1)
Nutreco Canada Inc, St Marys, ON	2	2	100.0%	26	26	100.0%	

Table 10. Sample Type by Sampling Location - 2019.

BusinessName	Samples			Tests			Sample Violations
	Total	# Passed	% Passed	Total	# Passed	% Passed	
Nutrena, Minneapolis, MN	16	12	75.0%	155	150	96.8%	Fat (1) AD Fiber (1) P (1) Cu (1) Zn (1)
NutriQuest, Mason City, IA	2	2	100.0%	10	10	100.0%	
Nutri-Vet LLC, Boise, ID	8	7	87.5%	27	26	96.3%	Mg (1)
NuZu Feed Company, Chana, IL	4	3	75.0%	32	31	96.9%	C Protein (1)
Nylabone Products, Neptune, NJ	6	6	100.0%	9	9	100.0%	
Odom's Livestock Supply, Inc., Mayfield, KY	9	7	77.8%	55	53	96.4%	C Protein (2)
Old Mother Hubbard, Tewksbury, ME	3	3	100.0%	6	6	100.0%	
Oliver Bentleys LLC, Savannah, GA	1	0	0.0%	2	1	50.0%	C Protein (1)
Only Natural Pet, Boulder, CO	8	1	12.5%	69	59	85.5%	C Protein (4) AH Fat (4) Ca (1) Ca:P (1)
Open Farm Inc, Toronto, ON	5	5	100.0%	42	42	100.0%	
Origen Nutrition Inc., Chino, CA	6	6	100.0%	76	76	100.0%	
Orscheln Farm & Home, Moberly, MO	5	3	60.0%	43	41	95.3%	C Protein (2)
Overby Farm LLC, Temecula, CA	1	1	100.0%	3	3	100.0%	
Overton-Pickett Farmers Coop, Livingston, TN	3	3	100.0%	15	15	100.0%	
Owensboro Grain Co LLC, Owensboro, KY	38	37	97.4%	76	75	98.7%	C Protein (1)
Oxbow Enterprises, Murdock, NE	7	3	42.9%	19	15	78.9%	C Protein (3) Ca (1)
Pacific Coast Distributing, Phoenix, AZ	12	9	75.0%	97	94	96.9%	AH Fat (1) P (1) Ca:P (1)
Pacific West Mills, Fontana, CA	1	0	0.0%	4	2	50.0%	C Protein (1) Fat (1)
Pampa Beverages LLC, Miami, FL	4	4	100.0%	8	8	100.0%	
Paragon Pet Products USA Inc, Wilmington, DE	1	1	100.0%	2	2	100.0%	
Party Animal Inc, Hollywood, CA	2	2	100.0%	25	25	100.0%	
Paw Prints Bakery LLC, Georgetown, KY	2	2	100.0%	4	4	100.0%	
Pawduke, Millbrook, IL	1	1	100.0%	2	2	100.0%	
Paws Barkery, Philadelphia, PA	2	2	100.0%	4	4	100.0%	
PDC, Chillicothe, OH	2	2	100.0%	4	4	100.0%	
Penn Pak Inc, Madison, GA	1	0	0.0%	2	1	50.0%	AH Fat (1)
Pennwoods Equine Products Inc, Centre Hall, PA	1	1	100.0%	2	2	100.0%	
Performance Feeds, Red Boiling Spgs, TN	38	34	89.5%	160	155	96.9%	C Protein (1) Ca (1) Monensin (3)
Performance Pet Products LLC, Mitchell, SD	5	2	40.0%	63	59	93.7%	C Protein (2) AH Fat (2)
Pet Brands, Columbus, OH	8	7	87.5%	15	13	86.7%	C Protein (1) AH Fat (1)
Pet Healthy Holdings LLC, Dallas, TX	1	1	100.0%	4	4	100.0%	
Pet King, Jamaica, NY	1	1	100.0%	2	2	100.0%	
Pet Retail Brands, Toronto, ON	6	4	66.7%	66	64	97.0%	AH Fat (2)
Pet Valu Canada Inc, Markham, ON	12	11	91.7%	124	123	99.2%	Ca:P (1)
Pet Ventures Inc, North Hollywood, CA	10	9	90.0%	19	18	94.7%	AH Fat (1)
Pet Wants, Cincinnati, OH	6	6	100.0%	77	77	100.0%	
Pet-Ag Inc, Hampshire, IL	4	4	100.0%	11	11	100.0%	
Petguard Inc, Green Cove Spgs, FL	3	1	33.3%	38	36	94.7%	AH Fat (1) P (1)
PetIQ, Eagle, ID	5	3	60.0%	10	8	80.0%	AH Fat (2)
Petkind, White Rock, BC	2	0	0.0%	6	2	33.3%	C Protein (1) AH Fat (2) Ash (1)

Table 10. Sample Type by Sampling Location - 2019.

BusinessName	Samples			Tests			Sample Violations
	Total	# Passed	% Passed	Total	# Passed	% Passed	
Petland - OH, Chillicothe, OH	1	1	100.0%	13	13	100.0%	
Petmatrix LLC, Saddle Brook, NJ	5	5	100.0%	10	10	100.0%	
Pets Global Inc, Gardena, CA	5	4	80.0%	64	61	95.3%	Ca (1) P (1) Ca:P (1)
Pets of America Wholesale Sply, Williamston, NC	2	2	100.0%	26	26	100.0%	
Petsense, Scottsdale, AZ	18	13	72.2%	231	226	97.8%	C Protein (1) AH Fat (1) Ca (1) P (2)
Phillips Agri Farm, Campbellsville, KY	1	0	0.0%	6	4	66.7%	Ca (1) P (1)
Pillstashios, Hopkins, MN	1	1	100.0%	2	2	100.0%	
Pine Tree Farms Inc, Interlaken, NY	2	0	0.0%	4	2	50.0%	AH Fat (2)
Pleasant View Agri-Service, Auburn, KY	1	1	100.0%	2	2	100.0%	
PMI Nutrition International LLC, Brentwood, MO	4	3	75.0%	26	25	96.2%	Salt (1)
PMI Nutrition LLC, Arden Hills, MN	5	5	100.0%	66	66	100.0%	
Poet Nutrition Inc, Sioux Falls, SD	1	0	0.0%	4	3	75.0%	C Protein (1)
Portland Pet Food Company, Portland, OR	1	0	0.0%	2	1	50.0%	AH Fat (1)
PowerPaw Products LLC, Airway Heights, WA	1	0	0.0%	2	1	50.0%	AH Fat (1)
Premium Nutritional Products, Mission, KS	3	3	100.0%	9	9	100.0%	
Pretty Bird Intl Inc, Stacy, MN	2	1	50.0%	5	4	80.0%	C Protein (1)
Prewitt Farm Supply, Inc., Williamsburg, KY	2	1	50.0%	10	8	80.0%	C Protein (1) K (1)
Primal Pet Foods Inc, San Francisco, CA	9	3	33.3%	103	91	88.3%	C Protein (1) AH Fat (3) Ca (1) P (1) Cu (1) Zn (3) Moisture (1) Ca:P (1)
Primos Hunting Calls, Flora, MS	3	2	66.7%	16	15	93.8%	Se (1)
Pro-Pet LLC (Kansas City), MO	3	2	66.7%	39	38	97.4%	Ca (1)
Pro-Pet LLC (St. Marys), OH	1	1	100.0%	4	4	100.0%	
Provimi North America Inc, Brookville, OH	2	2	100.0%	9	9	100.0%	
PSP Distribution LLC , Seymour, IN	13	10	76.9%	110	107	97.3%	AH Fat (2) Ca:P (1)
Puppy Cake LLC, Evans City, PA	3	2	66.7%	6	5	83.3%	C Protein (1)
Pure Treats Inc, Vaudreuil Dorion, QC	2	1	50.0%	4	3	75.0%	AH Fat (1)
Purina Animal Nutrition LLC, Shoreview, MN	74	56	75.7%	639	618	96.7%	C Protein (4) Fat (2) Ca (2) P (2) Salt (1) K (3) Na (3) Vit A (2) Decox (1) Ash (1)
R2P Group Inc, Emeryville, CA	2	1	50.0%	4	2	50.0%	C Protein (1) AH Fat (1)
Ralco Nutrition Inc, Marshall, MN	3	1	33.3%	23	21	91.3%	P (1) K (1)
Raw Paws Pet Food, Indianapolis, IN	1	1	100.0%	2	2	100.0%	
Real Pet Food Company, San Antonio, TX	8	5	62.5%	82	78	95.1%	C Protein (2) Cu (1) Ca:P (1)
Red A Feeds, Mankato, MN	7	7	100.0%	32	32	100.0%	

Table 10. Sample Type by Sampling Location - 2019.

BusinessName	Samples			Tests			Sample Violations
	Total	# Passed	% Passed	Total	# Passed	% Passed	
Red Cedar LLC, Lawrenceburg, KY	1	0	0.0%	6	3	50.0%	C Protein (1) Ca (1) P (1)
Red River Commodities, Fargo, ND	4	0	0.0%	20	12	60.0%	C Protein (2) Fat (2) AH Fat (1) Ca (1) P (1) Na (1)
Redbarn Pet Products LLC, Great Bend, KS	2	0	0.0%	26	23	88.5%	Ca (1) P (1) Ca:P (1)
Redmond Minerals Inc, Redmond, UT	2	1	50.0%	18	16	88.9%	Fe (1) S (1)
Replenish Pet Inc, San Clemente, CA	1	1	100.0%	13	13	100.0%	
Resolve Sustainable Solutions, Fort Dodge, IA	4	4	100.0%	16	16	100.0%	
Retail Factory Direct, Effingham, IL	1	0	0.0%	5	4	80.0%	Ca (1)
Richdel Inc, Carson City, NV	1	1	100.0%	3	3	100.0%	
Ridley Block Operations, Mankato, MN	10	8	80.0%	92	88	95.7%	C Protein (1) Cu (1) Se (1) Zn (1)
Ridley Feed Ingredient - Mendota, IL	4	4	100.0%	10	10	100.0%	
Ridley Specialty Products, Mankato, MN	3	3	100.0%	12	12	100.0%	
Riley's Organics, St Louis, MO	1	0	0.0%	2	1	50.0%	AH Fat (1)
Rip's Farm Center - Tollesboro, KY	48	31	64.6%	246	224	91.1%	C Protein (10) C Fiber (1) Ca (2) P (1) Salt (1) Cu (2) Zn (4) Lasalocid (1) Monensin (1)
Roam Pets, New York, NY	2	2	100.0%	4	4	100.0%	
Rocco & Roxie Supply Co LLC, Provo, UT	1	0	0.0%	2	1	50.0%	AH Fat (1)
Rolf C Hagen (USA) Corp, Mansfield, MA	4	2	50.0%	15	12	80.0%	C Protein (1) AH Fat (2)
Rosewood Pet Products LTD, Shropshire, UK	1	1	100.0%	2	2	100.0%	
Royal Canin USA Inc, St Charles, MO	13	11	84.6%	160	158	98.8%	Ca:P (2)
Rural King Supply - Mattoon, Mattoon, IL	17	13	76.5%	161	156	96.9%	C Protein (1) Fat (1) AH Fat (1) Se (2)
Rush Direct Inc, Wood Dale, IL	8	8	100.0%	15	15	100.0%	
Russell County Feed Mill Inc, Russell Springs, KY	4	2	50.0%	29	26	89.7%	Ca (2) Salt (1)
Salix LLC, Deerfield Beach, FL	3	2	66.7%	6	5	83.3%	AH Fat (1)
Sams West Inc, Bentonville, AR	5	4	80.0%	70	69	98.6%	Na (1)
Save-A-Lot LTD, Earth City, MO	5	5	100.0%	34	34	100.0%	
Savory Prime, Ventura, CA	4	4	100.0%	7	7	100.0%	
Schell & Kampeter Inc, Meta, MO	1	1	100.0%	12	12	100.0%	
Science Hill Milling Co, Science Hill, KY	9	3	33.3%	56	46	82.1%	C Protein (2) Ca (3) P (2) Salt (1) Co (1) Zn (1)

Table 10. Sample Type by Sampling Location - 2019.

BusinessName	Samples			Tests			Sample Violations
	Total	# Passed	% Passed	Total	# Passed	% Passed	
Scott Pet Products, Rockville, IN	9	4	44.4%	30	24	80.0%	C Protein (2) Ca (1) Mn (2) Zn (1)
Seiter Farms Inc, California, KY	1	1	100.0%	1	1	100.0%	
Sergeants Pet Care Products, Omaha, NE	2	2	100.0%	4	4	100.0%	
Seventy Feeds LLC, Eubank, KY	2	2	100.0%	11	11	100.0%	
Shameless Pets, Chicago, IL	1	0	0.0%	4	2	50.0%	C Protein (1) AH Fat (1)
Shucks Fence Co, Inc., Shelbyville, KY	1	1	100.0%	9	9	100.0%	
Simmons Pet Food Inc, Pennsauken, NJ	4	4	100.0%	51	51	100.0%	
Simply Nourish Pet Food Co, Phoenix, AZ	18	12	66.7%	133	127	95.5%	AH Fat (6)
Sligo Feed Mill, Pendleton, KY	4	3	75.0%	20	19	95.0%	C Protein (1)
Smack Pet Food Inc., Winnipeg, MB	1	1	100.0%	2	2	100.0%	
Smarter Paw LLC, Lenexa, KS	1	1	100.0%	3	3	100.0%	
Smith Farmers Coop, Carthage, TN	1	0	0.0%	6	3	50.0%	C Protein (1) Ca (1) P (1)
Smokehouse Pet Products, Sun Valley, CA	3	2	66.7%	6	5	83.3%	AH Fat (1)
So Bright LLC, Kiel, WI	2	1	50.0%	4	3	75.0%	AH Fat (1)
Sojos Inc, Minneapolis, MN	4	3	75.0%	19	17	89.5%	C Protein (1) AH Fat (1)
Solid Gold Pet LLC, Greenville, SC	12	12	100.0%	141	141	100.0%	
Source Inc, N Branford, CT	2	1	50.0%	11	10	90.9%	Fat (1)
Southern Kentucky Feed & Grain, Bowling Green, KY	5	4	80.0%	24	23	95.8%	C Protein (1)
Southern State Coop Inc., Richmond, VA	4	4	100.0%	52	52	100.0%	
Southern States - Bowling Green, KY	1	1	100.0%	5	5	100.0%	
Southern States - Danville, KY	5	3	60.0%	15	13	86.7%	C Protein (2)
Southern States - Flemingsburg, KY	11	11	100.0%	57	57	100.0%	
Southern States - Hopkinsville, KY	2	2	100.0%	17	17	100.0%	
Southern States - London, KY	2	2	100.0%	12	12	100.0%	
Southern States - Owingsville, KY	6	4	66.7%	16	14	87.5%	AD Fiber (1) Lasalocid (1)
Southern States - Somerset, KY	3	1	33.3%	8	6	75.0%	C Protein (1) AD Fiber (1)
Specialty Feeds Inc, Memphis, TN	7	3	42.9%	91	83	91.2%	C Protein (1) Ca (3) P (2) K (1) Na (1)
Specialty Products Resources Inc, Waltham, MA	4	4	100.0%	8	8	100.0%	
Spectrum Brands Pet, LLC, Blacksburg, VA	1	1	100.0%	4	4	100.0%	
Standlee Hay Co Inc, Eden, ID	1	1	100.0%	2	2	100.0%	
Star Mark Pet Products Inc, Hutto, TX	4	4	100.0%	8	8	100.0%	
Stay on The Porch, Dipping Springs, TX	1	0	0.0%	2	0	0.0%	C Protein (1) AH Fat (1)
Stella & Chewy's LLC, Oak Creek, WI	10	3	30.0%	95	84	88.4%	C Protein (3) AH Fat (4) Ca (2) P (2)
Summersville Feed Mill, Summersville, KY	1	1	100.0%	3	3	100.0%	
Sunshine Mills Inc, Red Bay, AL	39	33	84.6%	290	283	97.6%	AH Fat (1) Ca (1) P (2) Cu (2) Zn (1)
Superior Farms Pet Provisions, Dixon, CA	1	1	100.0%	2	2	100.0%	
SuperPET Nutrition Ltd, Langley, BC	1	0	0.0%	2	1	50.0%	AH Fat (1)

Table 10. Sample Type by Sampling Location - 2019.

BusinessName	Samples			Tests			Sample Violations
	Total	# Passed	% Passed	Total	# Passed	% Passed	
Supervalu Inc, Eden Prairie, MN	3	1	33.3%	22	19	86.4%	Cu (1) Zn (2)
Supreme Petfoods LTD, Ipswich Suffolk, GB	3	1	33.3%	12	10	83.3%	P (2)
Sweet Meadow Farm, Sherborn, MA	2	2	100.0%	10	10	100.0%	
T & L Commodity Transport LLC, Paris, KY	1	0	0.0%	1	0	0.0%	C Protein (1)
Tailbangers, Millsboro, DE	1	0	0.0%	2	1	50.0%	AH Fat (1)
Taste of the Wild, Meta, MO	9	7	77.8%	116	112	96.6%	C Protein (1) Ca (1) P (1) Na (1)
TechMix Inc, Stewart, MN	1	1	100.0%	7	7	100.0%	
Tender & True Pet Nutrition, Omaha, NE	4	3	75.0%	49	47	95.9%	P (1) Cu (1)
Tennessee Farmers Coop - Lavergne, Lavergne, TN	12	10	83.3%	99	97	98.0%	Fat (1) Vit A (1)
Tevra Brands, LLC, Omaha, NE	1	1	100.0%	2	2	100.0%	
The Bramton Co. LLC, Dallas, TX	1	1	100.0%	2	2	100.0%	
The Crump Group Inc, Brampton, ON	2	2	100.0%	4	4	100.0%	
The Granville Island Pet Treatery, Surrey, BC	2	2	100.0%	3	3	100.0%	
The Honest Kitchen Inc, San Diego, CA	1	1	100.0%	13	13	100.0%	
The Hyland Company Inc, Ashland, KY	27	22	81.5%	319	311	97.5%	AH Fat (1) Ca (2) P (2) Ash (2)
The Lazy Dog Cookie Co Inc, Ballston Spa, NY	5	0	0.0%	10	4	40.0%	C Protein (1) AH Fat (5)
The Nutro Company, Franklin, TN	5	5	100.0%	64	64	100.0%	
The Phoenix Company, Willows, CA	3	3	100.0%	6	6	100.0%	
The Real Meat Company, Montrose, CA	3	0	0.0%	17	10	58.8%	C Protein (2) AH Fat (3) Ca (1) Na (1)
This & That Canine Co Inc, Tonawanda, NY	1	1	100.0%	2	2	100.0%	
Three Dog Bakery LLC, Kansas City, MO	5	5	100.0%	9	9	100.0%	
Three Paws Gourmet LLC, Milwaukee, WI	2	1	50.0%	4	3	75.0%	C Protein (1)
Tiki, Chesterfield, MO	10	9	90.0%	114	113	99.1%	AH Fat (1)
Topco Associates, Elk Grove Village, IL	19	14	73.7%	173	166	96.0%	C Protein (3) Ca (1) P (2) Zn (1)
Total Feeds Inc, Weatherford, TX	1	1	100.0%	9	9	100.0%	
Tractor Supply Company - Brentwood, TN	58	40	69.0%	482	456	94.6%	C Protein (2) AH Fat (1) Ca (2) P (4) Cu (2) Mn (1) K (8) Se (3) S (1) Zn (2)
TradeKing, Minnetonka, MN	1	0	0.0%	2	0	0.0%	C Protein (1) AH Fat (1)
Trader Joe's, Monsey, NY	5	4	80.0%	53	51	96.2%	Ca (1) P (1)
Treat Planet, Maryland Heights, MO	7	5	71.4%	14	11	78.6%	C Protein (1) AH Fat (2)
Treats for Chickens, Cotati, CA	1	0	0.0%	6	5	83.3%	Fat (1)
Tri State Packaging Co, Van Wert, OH	2	1	50.0%	6	5	83.3%	P (1)

Table 10. Sample Type by Sampling Location - 2019.

BusinessName	Samples			Tests			Sample Violations
	Total	# Passed	% Passed	Total	# Passed	% Passed	
Tri-County Fertilizer Co., Inc., Richmond, KY	2	1	50.0%	10	9	90.0%	P (1)
Triple Crown Nutrition Inc, Wayzata, MN	1	0	0.0%	13	12	92.3%	C Fiber (1)
Tucker Milling LLC, Guntersville, AL	3	2	66.7%	17	16	94.1%	Na (1)
Tuffys Pet Foods Inc, Perham, MN	10	6	60.0%	122	117	95.9%	C Protein (1) Ca (2) P (2)
Two Percent LLC, Frederick, MD	1	0	0.0%	2	1	50.0%	C Protein (1)
Tyson Pet Products, Independence, IA	3	2	66.7%	7	6	85.7%	C Protein (1)
Uckele Health & Nutrition, Blissfield, MI	1	1	100.0%	6	6	100.0%	
Uncle Jimmys Brand Product LLC, New Castle, PA	2	1	50.0%	4	3	75.0%	C Fiber (1)
Under the Weather, South Burlington, VT	2	1	50.0%	4	3	75.0%	C Protein (1)
United Livestock Commodities, Mayfield, KY	11	2	18.2%	104	92	88.5%	C Protein (1) Ca (3) P (5) Salt (1) Mg (2)
United Pet Group Inc, Blacksburg, VA	19	16	84.2%	43	39	90.7%	C Protein (1) AH Fat (2) Salt (1)
Valley Farm Center Inc, Monticello, KY	1	1	100.0%	6	6	100.0%	
Valley View Feeds/Brubaker Grn, Farmersville, OH	1	1	100.0%	1	1	100.0%	
Vapco Inc, Lawrence, MA	1	0	0.0%	7	5	71.4%	C Protein (1) Ca (1)
Vervana, Manchester, CT	1	0	0.0%	3	2	66.7%	AH Fat (1)
Veterinary & Poultry Supply, Goshen, IN	1	1	100.0%	6	6	100.0%	
Vets Plus Inc, Menomonie, WI	2	2	100.0%	4	4	100.0%	
Vetscience LLC, Dallas, TX	5	4	80.0%	9	8	88.9%	C Protein (1)
Virbac Ah Inc, Fort Worth, TX	1	1	100.0%	2	2	100.0%	
Vitakraft Sun Seed Co Inc, Bowling Green, OH	2	2	100.0%	9	9	100.0%	
Waggin Train LLC, St Louis, MO	2	2	100.0%	4	4	100.0%	
Walk About Pet, New Holland, PA	1	0	0.0%	3	2	66.7%	AH Fat (1)
Wal-Mart Stores Inc, Bentonville, AR	24	22	91.7%	208	206	99.0%	AH Fat (1) P (1)
Ware Milling, Houston, MS	3	3	100.0%	22	22	100.0%	
Well Pet LLC, Tewksbury, MA	20	19	95.0%	205	203	99.0%	AH Fat (1) Ca:P (1)
Weruva International Inc, Natick, MA	6	6	100.0%	71	71	100.0%	
Westway Feed Products LLC, Tomball, TX	2	2	100.0%	2	2	100.0%	
Wet Noses Natural Dog Treat Co, Monroe, WA	2	2	100.0%	4	4	100.0%	
Whitebridge Pet Products, Chesterfield, MO	5	5	100.0%	11	11	100.0%	
Whole Foods Market, Austin, TX	5	3	60.0%	53	51	96.2%	AH Fat (1) Ca:P (1)
Whole Life Pet Products, Pittsfield, ME	4	1	25.0%	10	5	50.0%	C Protein (2) AH Fat (2)
Wholesale Merchandisers, Grand Rapids, MI	1	1	100.0%	2	2	100.0%	
Wholesome Pride Pet Treats, Chesterfield, MO	3	3	100.0%	6	6	100.0%	
Wildgame Innovations LLC, Baton Rouge, LA	2	0	0.0%	10	7	70.0%	C Protein (1) C Fiber (1) Ca (1)
Willard Milling, Inc., Grayson, KY	34	30	88.2%	253	248	98.0%	P (1) Cu (1) Zn (3)
Winchester Feeds Inc, Winchester, KY	8	7	87.5%	75	74	98.7%	Se (1)
Winding Way Farm, LLC, Union, KY	1	1	100.0%	2	2	100.0%	
Woodford Feed Co Inc, Versailles, KY	7	6	85.7%	44	43	97.7%	C Protein (1)
Wysonq Corporation, Midland, MI	2	2	100.0%	26	26	100.0%	
Yeti Corporation, Everett, WA	1	0	0.0%	2	1	50.0%	Ash (1)

Table 10. Sample Type by Sampling Location - 2019.

BusinessName	Samples			Tests			Sample Violations
	Total	# Passed	% Passed	Total	# Passed	% Passed	
YoBuck Deer Mineral, Hammonton, NJ	1	0	0.0%	12	5	41.7%	Ca (1) P (1) Co (1) Cu (1) K (1) Se (1) Vit A (1)
Yoders Feed & Supply, Russellville, KY	10	5	50.0%	81	72	88.9%	C Protein (5) AD Fiber (1) ND Fiber (1) Salt (1) Zn (1)
Ziwipeak LTD, Carmel, CA	2	0	0.0%	28	26	92.9%	AH Fat (2)
Zoo Med Laboratories Inc., San Luis Obispo, CA	7	4	57.1%	20	17	85.0%	C Protein (2) AH Fat (1)
Zukes, Durango, CO	6	5	83.3%	12	11	91.7%	AH Fat (1)
Totals	3,084	2,324	75%	20,851	19,832	95%	

UNIVERSITY OF KENTUCKY
COLLEGE OF AGRICULTURE,
FOOD AND ENVIRONMENT
DIVISION OF REGULATORY SERVICES
AGRICULTURAL EXPERIMENT STATION
LEXINGTON, KY 40546

NON-PROFIT ORGANIZATION
U.S. POSTAGE
PAID
LEXINGTON, KENTUCKY
PERMIT NUMBER 51