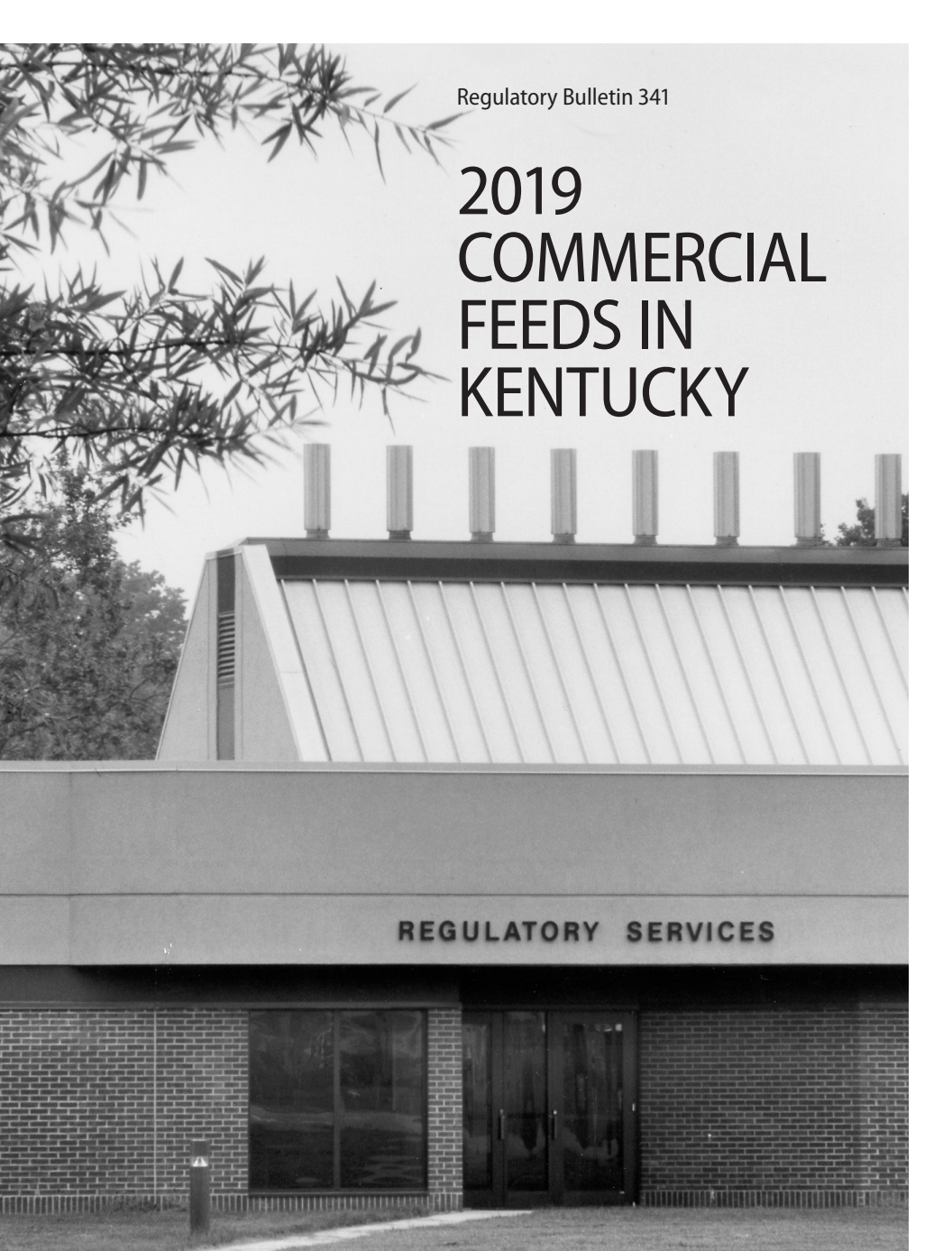


Regulatory Bulletin 353

2023 COMMERCIAL FEEDS IN KENTUCKY



REGULATORY SERVICES



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College of Agriculture,
Food and Environment

Agricultural Experiment Station

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This report was compiled and prepared by G. Alan Harrison
with the assistance of the inspection, laboratory, and administrative staffs.

Introduction

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

Revisions in law and regulations are primarily in response to more varied livestock feeding practices, changes in feed manufacturing technology, and new feed ingredients. We last revised our regulations in 2018, to better align with the American Association of Feed Control Officials (AAFCO) model bill and regulations. The next revisions to our regulations should occur in 2024 as we adopt AAFCO's recently approved Pet Food Label Modernization regulations.

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. 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 8 feed mills in Kentucky with a feed mill license (FML) from the FDA. Currently, there are 45 feed mills in the state manufacturing

medicated feed but not requiring a license from FDA. All feed mills must comply with good manufacturing practices assessed as part of a comprehensive inspection program. The purpose of these inspections is to ensure several safe feed practices are as follows: (1) approved drug levels are used, (2) proper mixing procedures followed, (3) feed ingredients monitored, (4) good record keeping followed, (5) good housekeeping protocols followed, and (6) a recall plan in place.

The Division participates in an inspection program in partnership with FDA that conducts inspections of facilities manufacturing and distributing animal feed. In recent years, our inspection program has evolved to include more inspections involving two inspectors, a greater focus on manufacturers, and the addition of new inspections to evaluate progress of firms in meeting 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 division continues to encourage compliance by Kentucky feed distributors with the Veterinary Feed Directive (VFD) rules that went into effect in 2017. Inspections at medicated feed mills include a review and evaluation of VFD records if the firm is a manufacturer of these feeds.

Our inspectors conducted 31 inspections in 2023 spanning the 2022-23 and 2023-24 contracts with FDA. Our current inspection contract includes evaluations of good manufacturing practices (GMP's) at 32 Kentucky mills annually with around half of these facilities manufacturing medicated feed. With FSMA regulations now including production of non-medicated feed, we are committed to conducting inspections for compliance with FSMA regulations at all Kentucky feed manufacturers in the next

few years. To date, nearly 90% of Kentucky manufacturers have been inspected under FSMA regulations. The current contract also includes preventative controls inspections at 12 of the 32 total inspection locations. All facilities manufacturing animal feed are subject to FSMA cGMP regulations but only about 40% of Kentucky manufacturers fall under the regulations covering preventative controls. At the end of 2023, there were

184 feed manufacturing facilities located in Kentucky that serve the animal feed and pet food industries. Additionally, 329 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 US food supply by

Table 1. Number of feed ingredient samples in 2023.

Type	Official Samples with Guarantees	Unofficial, Proficiency, Service Samples	Total
Alfalfa Products	6	1	7
Animal Products	13	3	16
Brewery Products	0	0	0
Corn Products	29	109	138
Cottonseed Products	1	1	2
Distillers Products	49	56	105
Soybean Products	84	10	94
Wheat Products	5	0	5
Other Grains	23	11	34
Minerals	7	6	13
Vitamins	2	1	3
Urea & Other NPN	0	0	0
Other	6	47	53
Total	225	245	470

Table 2. Number of commercial feed samples in 2023.

Formula Feeds	Official Samples with Guarantees	Unofficial, Proficiency, Service Samples	Total
Poultry Feed	348	8	356
Beef Feed	525	66	591
Dairy Feed	36	4	40
Swine Feed	94	5	99
Sheep Feed	31	5	36
Goat Feed	45	4	49
Equine Feed	233	15	248
Rabbit Feed	31	1	32
Fish Feed	7	3	10
Deer Products	62	5	67
Milk Replacer	13	0	13
Mineral/Vitamin/Other	188	9	197
Wild Bird Food	16	2	18
Total	1,629	127	1,756

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 were also 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 25 states 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. From 2016 through June 2024, this cooperative agreement brought over \$4,000,000 into the division and the university. Implementation of these standards has strengthened our program and provided a defensible, sustainable pathway forward.

Table 3. Number of pet and specialty feed samples in 2023.

Type	Official Samples with Guarantees	Unofficial, Proficiency, Service Samples	Total
Dog Food	516	7	523
Cat Food	304	4	308
Dog & Cat Treats	388	5	393
Specialty Pet & Pet Other	106	1	107
Total	1,314	17	1,331

Table 4. Survey of 2023 corn crop (84 total samples).

	Units	No. of tests	LLQ ¹	No. tests > LLQ	Mean ²
Crude Protein	%	84			6.83
Aflatoxin	ppb	52	< 5 ppb	0	-
Fumonisin	ppm	52	< 1 ppm	47	3.31
Vomitoxin	ppm	52	< 1 ppm	26	0.76
Zearalenone	ppm	52	< 1 ppm	15	0.12
T-2 Toxin	ppm	52	< 1 ppm	1	0.03
Ochratoxin	ppm	52	< 1 ppm	0	-
Moisture	%	84			14.28

¹Lower limit of quantification.

²Mean includes only samples with analyzed values > LLQ.

Table 5. Number of feed analyses reported in 2023.

		Official Samples	Unofficial, Proficiency, Service, Research Samples	Total
Proximate	Crude Protein	2,957	355	3,312
	NPN Equiv Protein	32	3	35
	Crude Fat	2,712	313	3,025
	AH Fat	224	51	275
	Crude Fiber	2,125	306	2,431
	Acid Detergent Fiber	1,111	283	1,394
	Neutral Detergent Fiber	1,097	283	1,380
	Ash	205	32	237
	Moisture	1,548	253	1,801
Minerals	Aluminum	0	1	1
	Arsenic	0	0	0
	Cadmium	0	0	0
	Calcium	2,401	122	2,523
	Ca:P Ratio	455	1	456
	Cobalt	2,374	121	2,495
	Copper	2,401	122	2,523
	Chromium	0	0	0
	Iron	2,401	122	2,523
	Lead	0	0	0
	Magnesium	2,401	122	2,523
	Manganese	2,401	122	2,523
	Molybdenum	0	4	4
	Phosphorus	2,401	122	2,523
	Potassium	2,401	121	2,522
	Salt	1,110	47	1,157
	Selenium	768	58	826
	Sodium	2,400	122	2,522
	Sulfur	10	16	26
Zinc	2,401	122	2,523	
Vitamins	Vitamin A	267	10	277
Drugs	Amprolium	12	3	15
	Bacitracin	0	0	0
	Carbadox	0	0	0
	Chlortetracycline	27	5	32
	Decoquinat	5	2	7
	Lasalocid	49	3	52
	Monensin, sodium	109	18	127
	Oxytetracycline	0	0	0
	Tylosin	0	0	0
Mycotoxins	Aflatoxin	41	81	122
	Fumonisin	41	81	122
	Ochratoxin	41	81	122
	T-2-Toxin	41	81	122
	Vomitoxin	41	81	122
	Zearalenone	41	81	122
Other	Listeria	19	0	19
	Salmonella	26	0	26
	Microscopy	1	8	9
Totals		39,097	3,759	42,856

Feed Registration and Labeling

Manufacturers are required to register all feeds before distribution to ensure that correct label information is provided to the purchaser. Each year, we conduct more than 7,000 label reviews for products for animals or pets. Guaranteed analysis, ingredient listings, and feeding directions for the intended animals or pets are scrutinized. Particular attention is given to medicated feed labels with regards to approved drug usage and dosage, statement of drug purpose, and any required warning, caution, or special feeding instructions. Misleading and unsubstantiated information or claims are prohibited. Currently, over 24,000 different commercial feeds and pet foods are registered for distribution by nearly 1400 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 labeling, resulting in more uniform and informative labels. Additionally, spreadsheets are available to assist in establishing label guarantees and for estimating nutritional suitability of custom mixed feeds and even pet treats. These services strengthen an excellent working relationship with the feed industry in Kentucky.

Financial Support

The feed regulatory program is supported by inspection fees of the commercial feeds sold in Kentucky, registration fees for small package items, and General Assembly appropriated funds. An inspection fee of 35 cents per ton is paid on commercial feeds in packages of larger than 10 pounds. Distiller's wet grains, other distillers products of more than 75 percent moisture, whey and brewers wet grains distributed without

Table 6. Reported tons of ingredients distributed in 2023.

Ingredient	Exempt	Non-exempt
Alfalfa Products	1,700	6,171
Animal Products	7,706	21,882
Brewery Products	0	191
Corn Products	61,814	88,451
Cottonseed Products	87	2,376
Distillers Products	153,555	215,950
Soybean Products	319,376	570,288
Wheat Products	90,001	15,079
Other Grains/Oilseeds	12,734	16,000
Minerals	9,304	77,034
Vitamins	1,764	1,828
Urea & Other NPN	6,372	1,682
Other	55,485	101,064
Distillers wet grains	0	189,174
Brewers wet grains	0	14,938
Liquid whey	0	0
Total	719,898	1,322,107

From USA Plants Commercial Feed Tonnage. Following entry of 4th quarter reports (March 13). With new ingredient categories.

Table 7. Reported tons of commercial feeds distributed in 2023.

Type	Tons of feed
Poultry Feed	107,969
Beef Feed	469,842
Dairy Feed	106,854
Swine Feed	19,155
Sheep Feed	10,798
Goat Feed	7,898
Horse Feed	140,138
Rabbit Feed	3,018
Fish Feed	2,426
Deer Products	13,137
Milk Replacer	8,715
Mineral/Vitamin/Other	72,233
Wild Bird Food	18,880
Pet Food	283,397
Total	1,264,460

From USA Plants Commercial Feed Tonnage. Following entry of 4th quarter reports (April 8).

With new categories and no complete/supplement split.

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

	Lower AV	Upper AV
Crude Protein	-3%	50%
NPN Equiv. Protein	-50%	20%
Crude Fat	-20%	+5 units
Acid Hydrolysis Fat	-20%	+5 units
Crude Fiber	-60%	15%
Acid Detergent Fiber	-60%	15%
Neutral Detergent Fiber	-60%	15%
Calcium ¹	-15%	+2 units
Phosphorus ¹	-15%	+2 units
Salt	-40%	40%
Sodium ¹	-30%	130%
Magnesium ¹	-40%	200%
Potassium ¹	-30%	200%
Sulfur	-30%	30%
Cobalt ¹	-40%	200%
Copper ¹	-40%	200%
Iron ¹	-40%	200%
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.

	Lower AV	Upper AV
Molybdenum	-40%	100%
Selenium ¹	-40%	40%
Zinc ¹	-40%	200%
Vitamin A	-30%	200%
Ash		5%
Moisture		12%
Amprolium	-40%	20%
Apramycin	-20%	20%
Bacitracin	-40%	40%
Carbadox	-20%	20%
Chlortetracycline	-30%	30%
Decoquinatate	-20%	20%
Lasalocid	-25%	25%
Monensin, Sodium	-30%	30%
Oxytetracycline	-30%	30%
Penicillin	-35%	35%
Tylosin	-30%	30%

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 2023, net income for the feed program was \$1,564,767 including inspection fees, registration fees and late payment penalties.

Feed Sampling

For Tables 1-3, we report 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, samples without label guarantees, lab proficiency samples, and other service samples.

Tables 1, 2 and 3 list the number of samples of feed ingredients, commercial feeds, and pet/specialty foods received by our lab in 2023. The majority of the ingredients sampled continue to be corn products (including corn grain and corn gluten feed), distiller's grains, and soybean products (soybean meal and soy hulls). Beef,

poultry, and equine feed were the largest categories of commercial animal feed excluding pet food. Pet and specialty foods accounted for 41% of all official samples with guarantees. Compared to 2022, our inspectors sampled 15% more ingredients and products in 2023.

In addition to the official samples reported, our lab also analyzed an additional 388 other samples. The samples include samples lacking guarantees collected by inspectors (primarily corn), ingredients and products submitted to our lab by county extension agents, the UK Veterinary Diagnostic Laboratory, livestock producers, and consumers. In 2023, our lab analyzed 70 service samples for Kentucky feed consumers, feed dealers, and manufacturers and 99 research samples submitted by researchers in the college.

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. A total of 84 samples were tested for crude

protein, crude fat, fiber, and moisture and 52 samples were screened for mycotoxins. We did not find evidence of major mycotoxin issues with this year's crop (Table 4). Crude protein averaged 6.8% on the 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 presence of any contaminants or deleterious substances. Table 5 reports the number of feed analyses conducted on samples during 2023. 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.

The feed program made a conscious effort to increase our mycotoxin testing and medication analyses in 2023. Our lab conducted around 122 mycotoxin tests in 2023. The majority of these tests were conducted on corn with additional on samples analyzed during investigations into product quality and/or animal health issues. Our lab analyzed 233 samples for medication levels compared to 193 samples tested in 2022.

Since 2018, our lab has had the capability to determine the presence of microbial contaminants, specifically listeria and salmonella. In 2023, we analyzed 45 samples for either salmonella, listeria, or both microorganisms. The primary focus for microbial contaminants is pet food, but we also analyze specialty and livestock products. Neither salmonella nor listeria was detected in any of the samples tested.

We continue with the use of NIR (near-infrared reflectance spectroscopy) as a screening tool with livestock feeds, ingredients, pet foods, pet treats, and specialty products. If the NIR scan indicates the sample does

not meet the guarantee of the analyte in question or the NIR value is questionable, the sample is analyzed by the appropriate wet chemistry method. As a screening test, we do not issue violations based solely on the NIR estimate. Analysis of minerals and medications continues via traditional wet chemistry methods. For sample reports, we report which analytes were estimated using NIR. NIR also has allowed the reporting of analytes that we do not typically measure in some feed types (for example, crude fat and crude fiber in poultry and swine feeds). For our lab, the advantages of using NIR as a screening test include both the speed of analysis with results available immediately and lower cost in both lab reagents and labor.

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.

At nearly 2.59 million tons, the total ingredients and commercial feeds distributed reported in 2023 was just below 2022 volume of 2.60 million tones. Beef, poultry, equine, and dairy continue to be the largest volume categories of non-pet food commercial feed in distribution. Pet food volume has been climbing in the past 4 years and accounted for 22% of total tons reported in 2023.

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 2023. Samples were collected at 372 locations in 2023 compared to 363 locations in 2022.

Sample Violation Report

The sample violation report for 2023 (Table 10) includes the 3,173 official samples from 539 different manufacturers or guarantors. Overall, 77.6% of samples passed (no violations on any analytes) while 96% 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. Since September of 2021, our office has issued withdrawals from distribution for “major violations” when samples fail to meet guarantees for medications (deficient or excessive), selenium (deficient or excessive), copper (excessive), salt (excessive), and non-protein nitrogen (excessive). In 2023, our office issued 75 withdrawal from distribution orders after identifying major violations in products sampled (10.5% of all violative samples). We are pleased to report that the response rate from guarantors to violations has improved dramatically over the last couple of years. In 2023, we received responses to 66% of all violations and 79% of all major violations.

Table 9. Sample types by sampling location, 2023.

BusinessName	Sample No. by Feed Type		
	Livestock & Ingredient	Pet & Speciality	Total
4Bs Feed Store, Carlise	2	1	3
A & S Livestock & Feed, Jamestown	2	0	2
ADM Alliance Nutrition, Campbellsville	7	2	9
Ag Renew, Edmonton	1	0	1
Ag1 Coop, Monticello	7	0	7
Akridge Farm Supply - Eddyville	2	0	2
Albany Building Center, Inc., Albany	3	0	3
Aldi - Bowling Green	0	14	14
Allen County Farmers Service, Inc., Scottsville	12	0	12
Amazon.com Services, Inc., Seattle	0	44	44
Anderson County Farm Service, Inc., Lawrenceburg	3	0	3
Arnold Feed & Seed, Campbellsville	5	0	5
Ashland Milling Company, Inc., Ashland	5	0	5
Bagdad Roller Mills, Inc., Bagdad	51	1	52
Ballard County Coop., Inc., La Center	3	0	3
Bardstown Mills, Inc., Bardstown	22	6	28
Barn Door Feed & Tack, Louisa	3	0	3
Benge Farm Supply, Inc., London	1	0	1
Berts Pet Center, Ashland	2	11	13
Big Lots - Corbin	0	4	4
Big Lots - Mayfield	0	2	2
Big Lots - Somerset	0	3	3
Big Lots #1089 - Paducah	0	4	4
Blandford Mills, LLC, Springfield	8	0	8
Bluegrass Barkery - Tiverton Way, Lexington	0	7	7
Bluegrass Farm Supply, Marion	29	0	29
Bluegrass Feed & Supply LLC, Hustonville	1	0	1
Bluegrass Seed & Fertilizer, Inc., Bardstown	14	0	14
Bowlin's Feed, Inc., Albany	8	0	8
Bratcher Ag LLC, Crab Orchard	14	0	14
Brodhead Farm Market, Brodhead	3	0	3
Brooksville Farm Supply, Brooksville	13	0	13
Buchheits #25 - Murray	15	2	17
Burkesville Feed & Farm Supply, Burkesville	4	0	4
Burkman Feeds - Bowling Green	11	0	11
Burkman Feeds - Columbia	6	0	6
Burkman Feeds - Edmonton	10	0	10
Burkman Feeds - Hardinsburg	36	0	36
Burkman Feeds - Lebanon	2	0	2
Burkman Feeds - London	13	0	13
Burkman Feeds - Summer Shade	4	0	4
Burkman Feeds LLC - Danville	46	0	46
Burkman Feeds LLC - Glasgow store	6	3	9
Burkman Feeds LLC - Glasgow plant	24	0	24
Caleb Wilson Lumber, Somerset	2	0	2
Calhouns Farm & Pet, Madisonville	0	15	15
Calhouns Feed Service, Madisonville	32	0	32
Cargill Animal Nutrition, Park City	4	2	6
Cargill Animal Nutrition, Winchester	7	0	7
Caudill Seed - Morehead, Morehead	1	0	1
Cedar Valley Harness Shop, Hopkinsville	2	0	2
Central Farm Supply of KY, Inc., Louisville	19	6	25
Central Farmers Supply, Inc., Greensburg	15	0	15

Table 9. Sample types by sampling location, 2023. (continued)

BusinessName	Sample No. by Feed Type		
	Livestock & Ingredient	Pet & Speciality	Total
Champion Petfoods USA Inc, Auburn	0	7	7
Christian County Grain, Pembroke	2	0	2
Circle C Feed & Supply, Paducah	4	0	4
Cobb Vantress Inc., Albany	2	0	2
Colson's Feed & Garden Supply, Manchester	3	0	3
Commonwealth Agri-Energy LLC, Hopkinsville	4	0	4
Compana-Manna Pro dba Dinovite LLC, Crittenden	0	10	10
Costco - Louisville	0	3	3
Country Farm & Home - Monticello	3	0	3
CPC Commodities LLC, Fountain Run	25	1	26
Crittenden Farm Lawn & Garden, Crittenden	4	0	4
Cub Run Milling, Cub Run	4	0	4
Custom Feed Mill LLC, Morganfield	13	1	14
D & R Metal and Ag Supply, Greenup	1	0	1
Daniels Farm Feed & Supply, Greenup	2	0	2
Darling Ingredients Inc - Butler (Bakery)	4	0	4
Darling Ingredients Inc - Henderson (Bakery)	5	0	5
Dawson Family Feed & Seed, Russellville	14	0	14
Day & Day Feed Mill, Columbia	24	3	27
Dollar General - Albany	0	1	1
Dollar General #11545 - Benton	0	7	7
Dollar General Market - Franklin	0	3	3
Dollar General Market #13158 - Jamestown	0	7	7
Dollar Tree - Columbia	0	1	1
Dollar Tree - Mayfield	0	3	3
Dollar Tree - Somerset	0	2	2
Dowell's Farm Supply, Ekron	5	0	5
Dunham Sports - Bowling Green	0	3	3
E & L Pets, Madisonville	0	13	13
Earthwise Pet Supply, Ashland	0	12	12
Enviroflight LLC, Maysville	2	0	2
Eric Howell Grain - Benton	2	0	2
Esh Country Store, Cerulean	5	0	5
Excel Equine, Louisville	29	1	30
Family Dollar - Liberty	0	4	4
Family Dollar - Nicholasville	0	5	5
Farm Sample	2	0	2
Farmer & Sons, Barbourville	3	0	3
Farmers Choice Feed Mill, Kirksey	10	0	10
Farmers Feed Mills Inc, Lexington	20	0	20
Feed Blenders Inc., Lebanon	10	1	11
Feed Blenders Inc. - Campbellsville	3	0	3
Feeders Supply - Bowling Green	0	8	8
Feeders Supply - Elizabethtown	0	10	10
Feeders Supply - Georgetown	0	9	9
Feeders Supply - Harrodsburg	0	12	12
Feeders Supply - Richmond Rd.	0	4	4
Feeders Supply - 12949 Shelbyville Rd	0	15	15
Feeders Supply - 4600 Shelbyville Rd	0	9	9
Feeders Supply - Somerset	0	35	35
Five Star Feed Services, Guthrie	17	0	17
Fleming County Farm Supply, Flemingsburg	1	0	1
Food City - Hazard	1	33	34

Table 9. Sample types by sampling location, 2023. (continued)

BusinessName	Sample No. by Feed Type		
	Livestock & Ingredient	Pet & Speciality	Total
Food City - Middlesboro	0	20	20
Food Lion - Scottsville	0	7	7
Frank L Hinton & Son, Plummers Landing	7	1	8
Franklin Grain, Franklin	4	0	4
Fresh Thyme Market, Newport	0	5	5
Gabbi's Boutique, Henderson	0	39	39
GHC Milling Co, Fordsville	31	0	31
Gilliam's Farm Supply, Olive Hill	14	0	14
Globe Farm Store, Olive Hill	1	0	1
Gold City Feed Mill, Franklin	1	2	3
Golden Rod Feeds, Liberty	10	0	10
Good Foods Co-Op - Lexington	0	2	2
Green River Feed Mill Inc, Morgantown	14	0	14
Greenleaf Commodities, Danville	6	0	6
Hall's Feed and Farm, Nicholasville	1	1	2
Hardin County Milling Co Inc, Elizabethtown	17	0	17
Hays Feed & Seed LLC, Smiths Grove	6	0	6
Heilman Hardware & Lumber Co., Falmouth	4	2	6
Hilander Feed Inc, Georgetown	3	0	3
Hinton Mills - Mt. Sterling	9	0	9
Hinton Mills at Cynthia	3	0	3
Hollywood Feed - Lexington	0	3	3
Hoof N Paw Pet Supply, Richmond	0	11	11
Hoover Feed Mill, Scottsville	15	0	15
Hopkinsville Elevator, Russellville	2	0	2
Hopkinsville Elevator - Auburn	4	0	4
Hopkinsville Elevator - Hopkinsville	2	0	2
Howe Farm Supply Inc, Vanceburg	1	0	1
IGA - Liberty	0	3	3
J & H Feed & Tack Inc, Paintsville	12	0	12
J. A. Oldfield & Son, Inc., Mize	1	0	1
J.H. Fedders - Covington, Covington	2	5	7
Jabetown Mill, Ewing	10	0	10
Jackson County Farm Service, McKee	1	0	1
Janes Fertilizer & Farm Supply, Columbia	3	1	4
JSW Farm Supply, West Liberty	6	0	6
Kee's Farm Service & Supply, LLC., Grayson	11	0	11
Ken's Value Center, Berry	3	0	3
Kentucky Organic Farm and Feed Inc, Guthrie	13	0	13
Kevil Crop Service dba Rudys Farm Center, Kevil	6	2	8
Kevil Grain Company, Kevil	5	0	5
Knifley Ag Supply & Hardware, Campbellsville	5	0	5
Kroger - Whitley City	0	20	20
Kroger #900 - Russell Springs	0	6	6
Kroger Marketplace - Somerset	0	15	15
Lake Cumberland Feed & Farm Supply, LLC, Russell Springs	10	1	11
Lays Feed & Farm Supply, Whitley City	3	0	3
Lazy E Feed and Supply, Russellville	15	0	15
Lester J Stutzman Feed Mill, Marion	10	0	10
Logan County Animal Clinic, Russellville	0	4	4
Lone Star Farm & Home, Mount Vernon	3	4	7
Lower Clover Farm Supply, McKee	2	0	2

Table 9. Sample types by sampling location, 2023. (continued)

BusinessName	Sample No. by Feed Type		
	Livestock & Ingredient	Pet & Speciality	Total
Lowe's #2490 - Mayfield	2	1	3
Lowe's #492 - Frankfort	3	0	3
Lowe's #722 - Murray	2	0	2
Luttrull Feeds, Inc., Pembroke	29	0	29
M & M Farm Supply, Austin	5	0	5
Marion Feed Mill, Marion	19	0	19
Marshall County Coop, Benton	11	8	19
Mays Lick Mill, Mays Lick	16	0	16
Mazelin Feed Mill, Scottsville	16	0	16
McCaughey Brothers Inc, Versailles	24	0	24
McRay Feed LLC, Harrodsburg	10	0	10
Meijer #161 - Lexington	0	2	2
Meijer #168 - Cold Spring	0	7	7
Meijer #184 - Lexington	0	4	4
Meijer #272 - Bowling Green	0	17	17
Meijer #288 - Owensboro	0	16	16
Menards #3290 - Owensboro	0	19	19
Menards #3367 - Paducah	0	4	4
Menifee County Farm Supply, Frenchburg	1	1	2
MFS Alliance Inc, Edmonton	6	0	6
Monroe Feed & Farm Supply, Inc., Tompkinsville	9	0	9
Most Valuable Pets, Lexington	0	1	1
Mullins Supply Barn, Crittenden	5	0	5
Myers Feed & Farm Supply, Corinth	5	0	5
Nancy Supply Company, Nancy	2	0	2
Nationwide Fence & Farmers Supply, Smithfield	3	0	3
Nolin River Hardware, Cub Run	2	0	2
Nutrien Ag Solutions - Cecilia	3	0	3
Nutrien Ag Solutions #2644 - Salem	1	0	1
Odom's Livestock Supply, Inc., Mayfield	27	0	27
Ollie's Bargain Outlet - Corbin	0	3	3
Orshlen Farm & Home, Radcliff	7	3	10
Owensboro Animal Hospital, Owensboro	0	8	8
Owensboro Grain Co LLC, Owensboro	12	0	12
Parker Farm Supply, Port Royal	12	0	12
Peck's Farm Supply, LLC - Sharpsburg	25	0	25
Perdue Farms Inc, Livermore	26	0	26
Perdue Farms Inc, Winchester	5	0	5
Performance Feed & Grain - Monticello	10	2	12
Performance Feeds - Bowling Green	11	0	11
Performance Feeds - Caneyville	22	0	22
Performance Feeds - Lancaster	9	0	9
Pet Supermarket - Lexington	0	10	10
Pet Supplies Plus - Cold Spring	0	27	27
Pet Supplies Plus - Independence	0	6	6
Pet Supplies Plus - Lexington	0	3	3
Pet Supplies Plus - Lexington Palomar	0	7	7
Pet Supplies Plus #4261 - Owensboro	3	40	43
Pet Wants - Fort Thomas	0	9	9
Petco - Bowling Green	0	18	18
Petco - Frankfort	0	7	7
Petco - Glasgow	4	14	18
Petco - Mt. Sterling	1	12	13

Table 9. Sample types by sampling location, 2023. (continued)

BusinessName	Sample No. by Feed Type		
	Livestock & Ingredient	Pet & Speciality	Total
Petco - Shelbyville Rd Louisville	0	11	11
Petland - Ashland	0	19	19
Petsense - Danville	0	29	29
Petsense - Georgetown	0	3	3
Petsense - Glasgow	0	26	26
Petsense - London	0	5	5
Petsense - Mayfield	0	15	15
Petsense - Middlesboro	0	5	5
Petsense - Mt. Sterling	0	8	8
Petsense - Murray	0	10	10
Petsmart - Bowling Green	0	23	23
Petsmart - Elizabethtown	0	4	4
Petsmart - Florence	0	5	5
Petsmart - Hurstbourne Louisville	0	6	6
Petsmart - Paducah	0	50	50
Petsmart - Pavillion Way Lexington	0	6	6
Petsmart - Richmond	1	19	20
Petsmart - Westport Rd Louisville	0	7	7
Petsmart #1968 - Owensboro	0	26	26
Petsmart #2344 - Newport	0	14	14
Petsmart #2384 - Ashland	1	8	9
Petsmart #2760 - Hopkinsville	1	16	17
Phelps Farm & Home Service, Paducah	2	1	3
Pilgrims Pride Corp, Mayfield	8	0	8
Prewitt Farm Supply, Inc., Williamsburg	2	1	3
Priceless IGA - Russellville	0	7	7
Prime Choice Building Supply, Bloomfield	2	0	2
Pro Solutions - Crofton, Crofton	1	0	1
Quality Feeds, Farm, and Pet Inc., Versailles	0	3	3
Richardson's Feed & Pet Center, LLC, Shepherdsville	0	3	3
Ridley Block Operations Inc, Flemingsburg	10	1	11
Rip's Farm Center - Morehead	1	0	1
Rip's Farm Center - Tollesboro	41	0	41
River Valley Animal Foods Tyson, Robards	8	0	8
Roses - Somerset	0	7	7
Rural King Supply - Ashland	6	1	7
Rural King Supply - Georgetown	5	4	9
Rural King Supply - Glasgow	3	0	3
Rural King Supply - Madisonville	16	0	16
Rural King Supply - Maysville	6	0	6
Rural King Supply - Paducah	11	22	33
Rural King Supply - Pikeville	4	0	4
Rural King Supply - Powderly	7	4	11
Rural King Supply - Radcliff Elizabethtown	12	0	12
Rural King Supply #12 - Owensboro	2	12	14
Russell County Feed Mill Inc, Russell Springs	19	2	21
Sam's Club #4876 - Bowling Green	0	2	2
Samuel E Stoltzfus, Cadiz	1	0	1
Save-A-Lot - Scottsville	0	3	3
Science Hill Milling Co, Science Hill	6	3	9
Seventy Feeds LLC, Eubank	5	0	5
Sligo Feed Mill, Pendleton	9	0	9
Sonora Farm Supply, Sonora	2	0	2

Table 9. Sample types by sampling location, 2023. (continued)

BusinessName	Sample No. by Feed Type		
	Livestock & Ingredient	Pet & Speciality	Total
Southern Barker, Lexington	0	7	7
Southern Kentucky Feed & Grain, Bowling Green	16	2	18
Southern States - Alexandria	4	1	5
Southern States - Bowling Green	6	0	6
Southern States - Cadiz	1	0	1
Southern States - Campbellsville	6	0	6
Southern States - Cynthiana	5	1	6
Southern States - Danville	2	5	7
Southern States - Elizabethtown	1	0	1
Southern States - Eminence	8	0	8
Southern States - Flemingsburg	24	0	24
Southern States - Frankfort	3	0	3
Southern States - Georgetown	8	0	8
Southern States - Glasgow	9	0	9
Southern States - Hardinsburg	6	0	6
Southern States - Harrodsburg	3	2	5
Southern States - Henderson	8	0	8
Southern States - Hodgenville	4	0	4
Southern States - Hopkinsville	10	0	10
Southern States - Lexington	2	0	2
Southern States - London	18	0	18
Southern States - Maysville	13	0	13
Southern States - Owenton	5	0	5
Southern States - Owingsville	8	2	10
Southern States - Paris	1	0	1
Southern States - Richmond	2	0	2
Southern States - Somerset	6	1	7
Stephens Farm Supply, Inc., Olive Hill	3	0	3
Strite Custom Feeds LLC, Crab Orchard	6	0	6
Summersville Feed Mill, Summersville	3	0	3
Sun Valley Feed Mill Inc, Brownsville	5	0	5
Sunny Pastures Feed, Harrodsburg	2	0	2
Sweet Farm Equipment LLC, Munfordville	2	0	2
T & H Feed Service, Inc., Lebanon	2	1	3
T & T Feed and Seed, Bardstown	4	0	4
Target - Lexington Hamburg	0	2	2
Target - Louisville	0	5	5
Target - Shelbyville Rd Louisville	0	5	5
The Feed Bucket, Simpsonville	6	0	6
The Hyland Company Inc, Ashland	7	21	28
Thompson & Nash, Inc., Shelbyville	0	3	3
Tomahawk 2, West Liberty	5	0	5
Tomahawk Transport, Salyersville	7	0	7
Tractor Supply Company #2197 - Morganfield	7	1	8
Tractor Supply Company #2355 - Benton	1	8	9
Tractor Supply Company #1103 - Ashland	4	1	5
Tractor Supply Company #1128 - Russellville	1	1	2
Tractor Supply Company #1212 - Paris	2	0	2
Tractor Supply Company #1265 - Pikeville	2	0	2
Tractor Supply Company #1296 - Morehead	2	4	6
Tractor Supply Company #1337 - Louisa	5	1	6
Tractor Supply Company #135 - Bowling Green	4	0	4
Tractor Supply Company #1387 - Hazard	4	0	4

Table 9. Sample types by sampling location, 2023. (continued)

BusinessName	Sample No. by Feed Type		
	Livestock & Ingredient	Pet & Speciality	Total
Tractor Supply Company #1392 - Alexandria	2	0	2
Tractor Supply Company #1396 - Middlesboro	1	0	1
Tractor Supply Company #1429 - Columbia	2	0	2
Tractor Supply Company #1442 - Murray	5	4	9
Tractor Supply Company #1460 - Cynthiana	4	0	4
Tractor Supply Company #1516 - Mt Sterling	2	1	3
Tractor Supply Company #1519 - Grayson	0	3	3
Tractor Supply Company #1522 - Berea	1	2	3
Tractor Supply Company #1561 - Williamsburg	1	2	3
Tractor Supply Company #1565 - Frankfort	3	4	7
Tractor Supply Company #184 - Paducah	4	1	5
Tractor Supply Company #1957 - Owensboro	6	2	8
Tractor Supply Company #1968 - Beaver Dam	7	3	10
Tractor Supply Company #2021 - Liberty	2	4	6
Tractor Supply Company #2022 - Munfordville	2	2	4
Tractor Supply Company #247 - Elizabethtown	5	13	18
Tractor Supply Company #248 - Glasgow	1	25	26
Tractor Supply Company #2587 - Bowling Green	0	2	2
Tractor Supply Company #358 - Georgetown	3	0	3
Tractor Supply Company #405 - Somerset	3	0	3
Tractor Supply Company #426 - Winchester	4	4	8
Tractor Supply Company #451 - Maysville	3	5	8
Tractor Supply Company #593 - Leitchfield	9	0	9
Tractor Supply Company #613 - Lawrenceburg	1	2	3
Tractor Supply Company #626 - Bardstown	4	2	6
Tractor Supply Company #628 - London	2	0	2
Tractor Supply Company #705 - Hopkinsville	3	0	3
Tractor Supply Company #719 - Mayfield	0	2	2
Trader Joe's - Louisville	0	3	3
Tri-County Fertilizer Co., Inc., Richmond	11	0	11
Triple J Farm & Fence, Crofton	2	1	3
Triple Trust Tubs, Mount Sterling	1	0	1
Tyson - Franklin Feed Mill	9	0	9
Tyson Foods Feed Mill, Sebree	22	0	22
United Livestock Commodities, Mayfield	18	0	18
Walgreens - Russellville	0	2	2
Walmart #1048 - Williamsburg	0	1	1
Walmart #1234 - Monticello	0	6	6
Walmart #143 - Benton	0	8	8
Walmart #1675 - Lebanon	1	5	6
Walmart #3363 - Owensboro	3	5	8
Walmart #410 - Murray	0	5	5
Walmart #569 - Columbia	0	1	1
Walmart #653 - Hopkinsville	1	2	3
Walmart #702 - Winchester	0	8	8
Walmart #711 - Glasgow	0	27	27
Walmart #729 - Bardstown	0	10	10
Warner Fertilizer - Monticello	1	0	1
Warner Fertilizer - Nancy	1	0	1
West Feeds, Barbourville	3	0	3
Whitetail Heaven Elite Outdoor Superstore, Nicholasville	1	1	2
Whole Foods Market - Lexington	0	8	8
Willard Milling, Inc., Grayson	12	11	23

Table 9. Sample types by sampling location, 2023. (continued)

BusinessName	Sample No. by Feed Type		
	Livestock & Ingredient	Pet & Speciality	Total
Winchester Feeds Inc, Winchester	13	0	13
Woodford Feed Co Inc, Versailles	25	0	25
Totals	1,987	1,405	3,392

Table 10. Report of official feed samples analyzed, 2023.

Business Name	Samples			Test			Sample Violations
	Total	# Passed	% Passed	Total	# Passed	% Passed	
ADM (Soy Processing), Frankfort, IN	1	1	100.0%	3	3	100.0%	
ADM Alliance Nutrition Inc, Quincy, IL	7	6	85.7%	66	65	98.5%	Vit A (1)
ADM Corn Processing, Decatur, IL	5	4	80.0%	16	15	93.8%	C Protein (1)
ADUSA Distribution LLC, Salisbury, NC	3	3	100.0%	9	9	100.0%	
Advanced Wildlife Solutions, Reynolds, GA	2	2	100.0%	6	6	100.0%	
AG Processing, Inc., Omaha, NE	1	1	100.0%	1	1	100.0%	
Against The Grain, Wheeling, IL	10	6	60.0%	94	87	92.6%	C Protein (2) Cu (1) Zn (1) Ash (1) Moisture (2)
Ainsworth Pet Nutrition, Meadville, PA	9	9	100.0%	100	100	100.0%	
Aldi Inc, Batavia, IL	9	4	44.4%	114	108	94.7%	C Protein (1) AH Fat (2) Ca (1) P (1) Mg (1)
Alfagreen Supreme, Toledo, OH	1	1	100.0%	4	4	100.0%	
Allen County Farmers Service, Inc., Scottsville, KY	12	8	66.7%	95	87	91.6%	C Protein (2) P (1) Salt (2) Na (2)
Alltech Inc, Nicholasville, KY	3	3	100.0%	8	8	100.0%	
American Tuna Inc, Bonita, CA	1	0	0.0%	13	12	92.3%	Ca (1)
Anderson County Farm Service, Inc., Lawrenceburg, KY	2	1	50.0%	13	12	92.3%	Ca (1)
Anheuser-Busch, St. Louis, MO	1	0	0.0%	1	0	0.0%	C Protein (1)
Ani-Logics Outdoors LLC, Worthington, MN	5	0	0.0%	49	38	77.6%	C Protein (1) Co (1) Cu (1) Mn (1) Se (1) Zn (5) Vit A (1)
Antler King Trophy Products, Inc., Black River Falls, WI	8	7	87.5%	65	63	96.9%	Mn (1) Se (1)
Archer Daniel Midland Co, Decatur, IL	2	2	100.0%	7	7	100.0%	
Arcus Hunting LLC, Covington, GA	2	1	50.0%	20	19	95.0%	Se (1)
Ark Naturals, Naples, FL	2	2	100.0%	6	6	100.0%	
Arnold Feed & Seed, Campbellsville, KY	3	3	100.0%	19	19	100.0%	
Ashland Milling Company, Inc., Ashland, KY	3	3	100.0%	15	15	100.0%	
Associated Wholesale Grocers, Kansas City, KS	7	5	71.4%	82	80	97.6%	Ca:P (2)
Authority Pet Food Co, Phoenix, AZ	6	5	83.3%	84	83	98.8%	Ash (1)
Axis Product Group LLC, Rogers, AR	1	1	100.0%	14	14	100.0%	
Bagdad Roller Mills, Inc., Bagdad, KY	38	29	76.3%	249	233	93.6%	C Protein (4) C Fiber (1) AD Fiber (3) ND Fiber (1) Ca (1) P (3) Cu (2) Zn (1)
Bardstown Mills, Inc., Bardstown, KY	48	14	29.2%	386	307	79.5%	C Protein (25) Fat (3) C Fiber (1) AD Fiber (4) ND Fiber (1) Ca (4) P (4) Salt (5) Cu (13) K (2) Zn (12) Vit A (4) Monensin (1)
Barton Brands Ltd, Bardstown, KY	4	3	75.0%	12	11	91.7%	C Protein (1)

Table 10. Report of official feed samples analyzed, 2023. (continued)

Business Name	Samples			Test			Sample Violations
	Total	# Passed	% Passed	Total	# Passed	% Passed	
Bears Bone Bakery, Evansville, IN	1	1	100.0%	3	3	100.0%	
Because It's Better, Ridgefield, CT	5	2	40.0%	48	45	93.8%	C Protein (2) AH Fat (1)
Belstra Milling Company Inc , De Motte	4	3	75.0%	27	26	96.3%	C Protein (1)
Best Breed Pet Foods, Findlay, OH	2	2	100.0%	27	27	100.0%	
Best Buy Bones, Mount Morris, MI	1	0	0.0%	4	3	75.0%	AH Fat (1)
Big & J Industries Inc, Grand Island, NE	4	4	100.0%	27	27	100.0%	
Big Easy Blends, New Orleans, LA	1	1	100.0%	1	1	100.0%	
Big Heart Pet Brands, Pittsburgh, PA	14	12	85.7%	125	122	97.6%	Fe (2) Mn (1)
Biozyme Incorporated, St Joseph, MO	3	3	100.0%	33	33	100.0%	
Bixbi Pet, Boulder, CO	9	6	66.7%	107	100	93.5%	C Protein (1) AH Fat (1) Ca (2) P (2) Cu (1)
Blackwood Pet Food LLC, Lisbon, OH	3	3	100.0%	45	45	100.0%	
Blain Supply Inc., Janesville, WI	1	0	0.0%	14	13	92.9%	AD Fiber (1)
Blandford Mills, LLC, Springfield, KY	6	4	66.7%	44	42	95.5%	K (2)
Bloomington Specialty Products, Bloomington, IN	1	1	100.0%	1	1	100.0%	
Blue Buffalo Co LTD, Wilton, CT	32	31	96.9%	318	317	99.7%	AH Fat (1)
Blue Dog Bakery, Seattle, WA	2	2	100.0%	6	6	100.0%	
Bluegrass Farm Supply, Marion, KY	22	18	81.8%	161	155	96.3%	C Fiber (3) AD Fiber (2) Cu (1)
Bluegrass Feed & Supply LLC, Hustonville, KY	1	1	100.0%	6	6	100.0%	
Bluegrass Seed & Fertilizer, Inc., Bardstown, KY	12	8	66.7%	105	100	95.2%	C Protein (1) C Fiber (1) Cu (1) Zn (2)
Bocce's Bakery, Brooklyn, NY	2	1	50.0%	6	5	83.3%	AH Fat (1)
Bomgaars - Corporate, Sioux City, IA	1	1	100.0%	7	7	100.0%	
Boss Buck, Grand Prairie, TX	3	1	33.3%	12	9	75.0%	C Protein (1) Fat (2)
Bowlin's Feed, Inc., Albany, KY	2	2	100.0%	12	12	100.0%	
Bowman Milling, Pocahontas, MO	4	1	25.0%	32	29	90.6%	Zn (3)
Boxie LLC, Santa Monica, CA	1	1	100.0%	3	3	100.0%	
Bratcher Ag LLC, Crab Orchard, KY	10	4	40.0%	53	45	84.9%	C Protein (2) Salt (2) K (3) Na (1)
BrightPet Nutrition Group LLC, Lisbon, OH	1	1	100.0%	3	3	100.0%	
Brooksville Farm Supply, Brooksville, KY	8	8	100.0%	59	59	100.0%	
Brutus Broth LLC, Owings, MD	1	0	0.0%	3	2	66.7%	Na (1)
Buck Stalker Attractants, Burnside, KY	2	0	0.0%	22	17	77.3%	Fe (2) K (2) Zn (1)
Buckley Bros Inc, Wilmington, OH	2	2	100.0%	17	17	100.0%	
Buffalo Trace Distillery Inc, Frankfort, KY	3	2	66.7%	9	8	88.9%	C Protein (1)
Bully Max LLC, Allison Park, PA	4	4	100.0%	56	56	100.0%	
Bunge NA (East) LLC, Morristown, IN	10	10	100.0%	28	28	100.0%	
Bunge NA Inc, Cairo, IL	4	2	50.0%	12	10	83.3%	C Fiber (2)
Burkesville Feed & Farm Supply, Burkesville, KY	1	1	100.0%	10	10	100.0%	

Table 10. Report of official feed samples analyzed, 2023. (continued)

Business Name	Samples			Test			Sample Violations
	Total	# Passed	% Passed	Total	# Passed	% Passed	
Burkman Feeds LLC, Danville, KY	67	57	85.1%	619	608	98.2%	C Protein (1) AD Fiber (1) P (1) Salt (1) Mg (1) Se (5) Vit A (1)
Burkman Feeds LLC, Glasgow, KY	27	15	55.6%	193	179	92.7%	Salt (5) Se (2) Lasalocid (3) Monensin (3)
Burkman Feeds, Bowling Green, KY	15	10	66.7%	86	80	93.0%	C Protein (4) Fat (1) Ca (1)
Burkman Feeds, Edmonton, KY	7	6	85.7%	62	61	98.4%	Salt (1)
Burkman Feeds, Harned, KY	15	11	73.3%	96	91	94.8%	C Protein (1) Fat (1) Salt (1) Cu (2)
Burkman Feeds, London, KY	16	12	75.0%	111	106	95.5%	C Protein (2) Fat (2) Ca (1)
Busch Agricultural Resources, Jonesboro, AR	2	2	100.0%	6	6	100.0%	
Butcher's Block Pet Treats LLC, Omaha, NE	1	0	0.0%	3	2	66.7%	AH Fat (1)
Butchers Naturals LLC, Boca Raton, FL	2	2	100.0%	6	6	100.0%	
Café Nara Pet Food, Vero Beach, FL	1	1	100.0%	1	1	100.0%	
Calhouns Feed Service, Madisonville, KY	7	6	85.7%	39	38	97.4%	Cu (1)
Can Am Pet Treats Inc, Vernon, BC	1	1	100.0%	4	4	100.0%	
Canidae Corporation, Norco, CA	3	1	33.3%	41	38	92.7%	Ca (1) P (2)
Cargill Animal Nutrition, Minneapolis, MN	93	70	75.3%	712	686	96.3%	C Protein (12) Fat (2) Ca (1) P (1) Salt (5) K (2) Se (2) Lasalocid (1)
Cargill Dry Corn Ingredients, Paris, IL	1	1	100.0%	3	3	100.0%	
Cargill Incorporated, Minneapolis, MN	2	2	100.0%	12	12	100.0%	
Carna4 Inc, Toronto, ON	2	0	0.0%	27	18	66.7%	C Protein (2) Ca (2) P (2) Zn (2) Ca:P (1)
Carnivore Meat Co LLC, Green Bay, WI	3	0	0.0%	30	25	83.3%	AH Fat (2) Ca (1) P (1) Ca:P (1)
Carolina Prime Pet, Lenoir, NC	1	0	0.0%	3	1	33.3%	C Protein (1) AH Fat (1)
Caru Pet Food Company LLP, Vero Beach, FL	3	3	100.0%	36	36	100.0%	
Castor & Pollux Pet Works, Amarillo, TX	2	1	50.0%	27	25	92.6%	Ca (1) P (1)
Cat-Man-Doo, Bellevue, WA	1	1	100.0%	3	3	100.0%	
Caudill Seed, Louisville, KY	1	0	0.0%	7	6	85.7%	Na (1)
Central Aquatic, Franklin, WI	1	1	100.0%	3	3	100.0%	
Central Farm Supply of KY, Inc., Louisville, KY	21	15	71.4%	156	149	95.5%	C Protein (2) Fat (1) Salt (2) Cu (1) K (1)
Central Farmers Supply, Inc., Greensburg, KY	4	3	75.0%	39	38	97.4%	Cu (1)
Central States, Perryville, MO	1	1	100.0%	10	10	100.0%	
Cereal Byproducts Co, Mt Prospect, IL	1	0	0.0%	3	2	66.7%	Fat (1)
Champion Petfoods USA Inc, Auburn, KY	11	11	100.0%	137	137	100.0%	
Chicken Soup for the Pet Lover's Soul, Cos Cob, CT	12	10	83.3%	132	128	97.0%	AH Fat (2) Ca (1) P (1)

Table 10. Report of official feed samples analyzed, 2023. (continued)

Business Name	Samples			Test			Sample Violations
	Total	# Passed	% Passed	Total	# Passed	% Passed	
CHS Inc, Inver Grove Heights, MN	2	2	100.0%	8	8	100.0%	
Claudia's Canine Bakery, Maumelle, AR	3	3	100.0%	9	9	100.0%	
Coastwise Processors Inc, Surrey, BC	2	1	50.0%	26	25	96.2%	Ca:P (1)
Cobalt International, Rock Hill, SC	3	0	0.0%	12	9	75.0%	AH Fat (1) Moisture (2)
Commonwealth Agri-Energy LLC, Hopkinsville, KY	4	4	100.0%	16	16	100.0%	
Compana Pet Brands, St. Louis, MO	1	1	100.0%	8	8	100.0%	
Compana-Manna Pro dba Dinovite LLC, Crittenden, KY	10	7	70.0%	35	32	91.4%	AH Fat (3)
Consolidated Grain & Barge, Mount City, IL	5	5	100.0%	15	15	100.0%	
Consolidated Grain & Barge, Mt Vernon, IN	5	5	100.0%	15	15	100.0%	
Consumers Supply Distributing, North Sioux City, SD	11	10	90.9%	33	32	97.0%	C Protein (1)
Cosmos Corporation, Wentzville, MO	1	1	100.0%	3	3	100.0%	
Costco Wholesale Corporation, Seattle, WA	3	3	100.0%	44	44	100.0%	
Country Acres Feed Co Inc, Brentwood, MO	3	3	100.0%	18	18	100.0%	
CPC Commodities LLC, Fountain Run, KY	73	61	83.6%	659	643	97.6%	C Protein (3) Ca (2) P (1) Salt (2) Mg (1) Se (1) Vit A (1) Lasalocid (2) Monensin (3)
Crypto-Aero Inc., Lake Worth, FL	1	0	0.0%	14	13	92.9%	S (1)
Cub Run Milling, Cub Run, KY	2	0	0.0%	20	14	70.0%	C Fiber (2) Ca (2) P (2)
Cullman Blend Mill, Cullman, AL	1	1	100.0%	6	6	100.0%	
D & D Commodities, Stephen, MN	1	0	0.0%	4	3	75.0%	AH Fat (1)
D & D Ingredient Dist Inc, Delphos, OH	2	1	50.0%	10	9	90.0%	Fat (1)
Darling International Inc, Irving, TX	9	6	66.7%	29	25	86.2%	C Protein (1) AH Fat (1) C Fiber (2)
Dave's Pet Food, Agawam, MA	4	3	75.0%	51	50	98.0%	AH Fat (1)
Dawson Family Feed & Seed, Russellville, KY	13	12	92.3%	111	110	99.1%	Salt (1)
Day & Day Feed Mill, Columbia, KY	6	6	100.0%	38	38	100.0%	
Dechra Veterinary Products, Overland Park, KS	1	1	100.0%	3	3	100.0%	
Deer Crack LLC, Hartland, MI	1	1	100.0%	3	3	100.0%	
Deer:30, Madisonville, KY	1	0	0.0%	10	8	80.0%	Cu (1) Zn (1)
Diamond Pet Foods Co, Meta, MO	5	5	100.0%	74	74	100.0%	
Dick Van Patten's, Burbank, CA	17	15	88.2%	210	208	99.0%	AH Fat (2)
Direct Action Co Inc, Dover, OH	1	1	100.0%	3	3	100.0%	
Diversified Ingredients, St Louis, MO	1	1	100.0%	3	3	100.0%	
Domain Outdoors, Hudson, WI	1	1	100.0%	5	5	100.0%	
Dove Performance Nutrition, Midland, TX	1	0	0.0%	10	9	90.0%	Cu (1)
Dr Harvey's, Atlantic Highlands, NJ	2	1	50.0%	27	26	96.3%	C Protein (1)
Dr. Marty, Woodland Hills, CA	3	1	33.3%	43	39	90.7%	AH Fat (2) P (1) Ca:P (1)
Durvet Inc, Blue Springs, MO	3	3	100.0%	20	20	100.0%	
EcoKind Pet Treats, Richmond, VA	1	1	100.0%	4	4	100.0%	

Table 10. Report of official feed samples analyzed, 2023. (continued)

Business Name	Samples			Test			Sample Violations
	Total	# Passed	% Passed	Total	# Passed	% Passed	
Edge Animal Nutrition, Martinsville, IL	1	1	100.0%	3	3	100.0%	
Einstein Pets LLC, Oxford, GA	1	1	100.0%	4	4	100.0%	
Emerald Pet Products, Oakland, CA	2	1	50.0%	7	6	85.7%	Ash (1)
Enviroflight LLC, Maysville, KY	2	2	100.0%	10	10	100.0%	
Equus Magnus, White Bear Lake, MN	1	1	100.0%	5	5	100.0%	
EST LLC, Covington, GA	1	1	100.0%	4	4	100.0%	
Ethical Product Inc, Bloomfield, NJ	1	1	100.0%	2	2	100.0%	
Evangers Dog & Cat Food Co Inc, Wheeling, IL	5	3	60.0%	35	31	88.6%	Ca (2) P (2)
Evolved Habitats, New Roads, LA	3	2	66.7%	14	13	92.9%	Ca (1)
Excel Equine, Louisville, KY	18	16	88.9%	174	172	98.9%	C Protein (1) ND Fiber (1)
Exotic Nutrition, Newport News, VA	2	2	100.0%	10	10	100.0%	
F M Browns Sons Inc, Sinking Spring, PA	4	4	100.0%	23	23	100.0%	
Faithway Feed Co Inc, Guntersville, AL	6	5	83.3%	66	65	98.5%	C Protein (1)
Farmers Choice Feed Mill, Kirksey, KY	9	4	44.4%	81	72	88.9%	C Protein (1) Ca (4) Salt (1) Cu (2) Zn (1)
Farmers Feed Mills Inc, Lexington, KY	19	18	94.7%	192	191	99.5%	P (1)
Farmina Pet Foods, New York, NY	2	1	50.0%	29	28	96.6%	Ash (1)
Feed Blenders Inc., Lebanon, KY	10	0	0.0%	79	58	73.4%	C Protein (7) Fat (2) C Fiber (3) Ca (2) P (3) Cu (3) Zn (1)
Feed Solutions, Arden Hills, MN	3	1	33.3%	30	27	90.0%	C Protein (1) Fat (1) Ca (1)
Feeders Supply - Corporate, Louisville, KY	8	4	50.0%	53	49	92.5%	C Protein (1) AH Fat (1) Zn (2)
Fertrell Co, Bainbridge, PA	1	1	100.0%	7	7	100.0%	
Finley's, Eden Prairie, MN	3	3	100.0%	9	9	100.0%	
Fisher's Aquatics, Kernersville, NC	1	0	0.0%	7	6	85.7%	Ash (1)
Five Star Feed Services, Guthrie, KY	12	6	50.0%	100	92	92.0%	Fat (1) AD Fiber (1) Mg (2) Se (2) Vit A (1)
Florida Marine Research, Sarasota, FL	1	0	0.0%	4	3	75.0%	AH Fat (1)
Flourish Pet Products, Cedar Fort, UT	2	2	100.0%	6	6	100.0%	
Fluker Farms Inc, Port Allen, LA	4	1	25.0%	19	15	78.9%	C Protein (2) AH Fat (2)
Focus-On Tools, Logan, UT	1	1	100.0%	3	3	100.0%	
Foodhold USA, LLC, Landover, MD	4	3	75.0%	34	33	97.1%	C Protein (1)
Formax Feeds, Danville, KY	31	25	80.6%	262	256	97.7%	Salt (1) Se (3) S (1) Vit A (1)
Four Paws Products Ltd, Neptune City, NJ	1	0	0.0%	11	6	54.5%	AH Fat (1) Cu (1) Mg (1) K (1) Zn (1)
Frank L Hinton & Son, Plummers Landing, KY	2	2	100.0%	0	0	#DIV/0!	
Fresh Thyme Market, Downers Grove, IL	1	1	100.0%	2	2	100.0%	
Fromm Family Foods LLC, Mequon, WI	9	9	100.0%	108	108	100.0%	
Full Life Company, Phoenix, AZ	1	1	100.0%	3	3	100.0%	
Furst-McNess Co, Freeport, IL	6	5	83.3%	35	34	97.1%	C Protein (1)

Table 10. Report of official feed samples analyzed, 2023. (continued)

Business Name	Samples			Test			Sample Violations
	Total	# Passed	% Passed	Total	# Passed	% Passed	
Gaines Family Farmstead, Hueytown, AL	1	1	100.0%	2	2	100.0%	
Gentle Giants Products Inc., Norco, CA	6	5	83.3%	78	77	98.7%	P (1)
GHC Milling Co, Fordsville, KY	16	11	68.8%	118	113	95.8%	C Protein (2) Ca (1) Salt (1) Cu (1)
Global Agri-Trade, Rancho Dominguez, CA	2	2	100.0%	3	3	100.0%	
Global Harvest Birdseed, Seattle, WA	2	1	50.0%	7	6	85.7%	Fat (1)
Golden Rod Feeds, Liberty, KY	6	5	83.3%	48	47	97.9%	Lasalocid (1)
Gott Pet Products LLC, St Francis, WI	2	2	100.0%	7	7	100.0%	
Grain Processing Corp, Washington, IN	10	10	100.0%	40	40	100.0%	
Grandma Lucy's, Rancho Santa Margarita, CA	5	1	20.0%	59	30	50.8%	C Protein (3) AH Fat (1) C Fiber (1) Ca (4) P (4) Cu (3) Fe (1) Na (4) Zn (4) Ca:P (4)
Grandma Mae's Country Naturals, New York, NY	5	4	80.0%	67	64	95.5%	AH Fat (1) Ca (1) P (1)
Greater Good Brands LLC, Wilmington, DE	3	3	100.0%	19	19	100.0%	
Greater Wild LLC, N. Miami, FL	1	1	100.0%	5	5	100.0%	
Green Coast Pet, Pasadena, CA	2	2	100.0%	4	4	100.0%	
Green Plains Mount Vernon, LLC, Mount Vernon, IN	9	9	100.0%	27	27	100.0%	
Green River Feed Mill Inc, Morgantown, KY	13	9	69.2%	84	80	95.2%	C Protein (1) Fat (1) Zn (2)
Greenbrier International, Chesapeake, VA	1	1	100.0%	4	4	100.0%	
Greenleaf Commodities, Danville, KY	8	6	75.0%	52	50	96.2%	C Protein (1) Lasalocid (1)
Gro-Tec Inc, Modoc, IN	4	3	75.0%	26	25	96.2%	CTC (1)
Groupe Vetdiet International Inc., Montreal, QC	5	4	80.0%	47	46	97.9%	P (1)
Gunni's LLC, Oceanside, CA	1	0	0.0%	3	2	66.7%	AH Fat (1)
Halo-Purely for Pets, Tampa, FL	6	6	100.0%	83	83	100.0%	
Hansen-Mueller Co, Omaha, NE	2	2	100.0%	6	6	100.0%	
Happy Hen Treats, Boerne, TX	1	0	0.0%	7	6	85.7%	Ca (1)
Happy Howies Inc, Detroit, MI	2	2	100.0%	6	6	100.0%	
Happy Jack Inc, Snow Hill, NC	1	0	0.0%	14	12	85.7%	C Protein (1) AH Fat (1)
Happytails Canine Wellness, Santa Clara, CA	1	0	0.0%	3	2	66.7%	AH Fat (1)
Hardin County Milling Co Inc, Elizabethtown, KY	15	8	53.3%	104	87	83.7%	C Protein (4) Fat (3) C Fiber (4) Ca (3) P (2) Cu (1)
Hart Agstrong LLC, Trenton, KY	1	0	0.0%	4	3	75.0%	Fat (1)
Hartz Mountain Corporation, Secaucus, NJ	2	2	100.0%	9	9	100.0%	
Harvest Lane Honey, South Salt Lake, UT	2	0	0.0%	3	1	33.3%	C Protein (1) AH Fat (1)
Hays Feed & Seed LLC, Smiths Grove, KY	6	2	33.3%	56	49	87.5%	AD Fiber (1) Ca (1) P (1) Salt (1) Cu (2) K (1)
Health Extension Pet Care, Deer Park, NY	5	4	80.0%	48	47	97.9%	AH Fat (1)

Table 10. Report of official feed samples analyzed, 2023. (continued)

Business Name	Samples			Test			Sample Violations
	Total	# Passed	% Passed	Total	# Passed	% Passed	
Heath Manufacturing Co, Coopersville, MI	1	0	0.0%	3	2	66.7%	C Protein (1)
Hero Pet Brands LLC, Dallas, TX	2	1	50.0%	16	14	87.5%	Fat (1) Vit A (1)
Higgins Group Corporation, Miami, FL	7	6	85.7%	29	28	96.6%	C Protein (1)
Hikari Sales USA Inc, Hayward, CA	3	3	100.0%	15	15	100.0%	
Hilander Feed Inc, Georgetown, KY	1	0	0.0%	10	9	90.0%	Co (1)
Hills Pet Nutrition Inc, Topeka, KS	14	13	92.9%	121	120	99.2%	AH Fat (1)
Hillside Farms, Irvine, CA	1	0	0.0%	3	2	66.7%	AH Fat (1)
Himalayan Corporation, Mukilteo, WA	4	2	50.0%	18	13	72.2%	C Protein (2) AH Fat (1) Moisture (2)
Hinton Mills, Flemingsburg, KY	33	24	72.7%	268	256	95.5%	C Protein (4) Fat (2) C Fiber (1) Co (1) Cu (1) K (1) Se (1) Lasalocid (1)
Hirsch Feed & Farm Supply Inc., Thayer, MO	8	5	62.5%	66	57	86.4%	Ca (1) Salt (2) Cu (2) K (1) Na (2) Zn (1)
Hoover Feed Mill, Scottsville, KY	15	12	80.0%	113	110	97.3%	Fat (1) Salt (1) Zn (1)
Horizon Acres, Perryville, MO	7	6	85.7%	45	44	97.8%	Ca (1)
Hubbard Feeds Inc, Mankato, MN	5	3	60.0%	46	44	95.7%	C Protein (1) Zn (1)
Huron Commodities, Clinton, ON	1	1	100.0%	4	4	100.0%	
I and Love and You, Boulder, CO	5	3	60.0%	63	61	96.8%	AH Fat (1) C Fiber (1)
IAMK9 Pets, Pleasanton, CA	1	0	0.0%	2	1	50.0%	C Protein (1)
IcelandicPlus LLC, Ft. Washington, PA	1	1	100.0%	3	3	100.0%	
IMS Pet Industries, Wood Ridge, NJ	2	1	50.0%	6	5	83.3%	AH Fat (1)
In Demand Feeds, Greensburg, IN	1	1	100.0%	8	8	100.0%	
Inaba Foods (USA) Inc, Torrance, CA	2	2	100.0%	6	6	100.0%	
Inter American, Cincinnati, OH	8	7	87.5%	94	93	98.9%	C Fiber (1)
Intl Pet Supplies/Distributing, San Diego, CA	14	14	100.0%	165	165	100.0%	
iVet, Parkville, MO	3	3	100.0%	27	27	100.0%	
J & C Pet Supply, Lakewood Township, NJ	2	1	50.0%	6	5	83.3%	AH Fat (1)
J & H Feed & Tack Inc, Paintsville, KY	9	5	55.6%	55	50	90.9%	C Protein (3) Ca (1) Salt (1)
J E Ronicker Labs Inc, West Milton, OH	1	0	0.0%	8	7	87.5%	Co (1)
JAC Pet Nutrition Gourmet, Olathe, KS	1	0	0.0%	2	1	50.0%	AH Fat (1)
Jack Daniel Distillery, Lynchburg, TN	1	1	100.0%	3	3	100.0%	
Jenkins Feed Service , Adams, TN	1	0	0.0%	6	4	66.7%	C Protein (1) C Fiber (1)
Jim Beam Brands Co, Boston, KY	1	1	100.0%	1	1	100.0%	
Jiminy's LLC, Berkley, CA	1	1	100.0%	3	3	100.0%	
Jinx Inc, Los Angeles, CA	6	6	100.0%	41	41	100.0%	
Joy Pet Foods, Pinckneyville, IL	3	3	100.0%	42	42	100.0%	
JSW Farm Supply, West Liberty, KY	5	4	80.0%	32	31	96.9%	C Protein (1)
K9 Granola Factory, Thomasville, PA	4	2	50.0%	13	11	84.6%	AH Fat (2)

Table 10. Report of official feed samples analyzed, 2023. (continued)

Business Name	Samples			Test			Sample Violations
	Total	# Passed	% Passed	Total	# Passed	% Passed	
K9 Natural Food, Christchurch, NZ	5	3	60.0%	52	49	94.2%	AH Fat (1) Ca (1) P (1)
Kalmbach Feeds Inc, Upper Sandusky, OH	54	50	92.6%	569	565	99.3%	C Protein (1) Ca (1) P (1) Co (1)
Kasel Industries, Denver, CO	1	0	0.0%	3	2	66.7%	AH Fat (1)
Kaytee Products Inc, Chilton, WI	9	7	77.8%	35	33	94.3%	AH Fat (2)
KDR Pet Treats LLC, Fresno, CA	2	0	0.0%	5	3	60.0%	C Protein (2)
Kee's Farm Service & Supply, LLC., Grayson, KY	1	1	100.0%	6	6	100.0%	
Kelly Foods Corporation, Medina, OH	11	11	100.0%	75	75	100.0%	
Kent Nutrition Group Inc, Muscatine, IA	12	9	75.0%	114	110	96.5%	C Protein (1) Fat (1) Mg (1) K (1)
Kentucky Nutrition Service Inc, Nancy, KY	1	1	100.0%	10	10	100.0%	
Kentucky Organic Farm and Feed Inc, Guthrie, KY	12	9	75.0%	84	81	96.4%	C Protein (3)
Kentucky Performance Products, Versailles, KY	1	1	100.0%	5	5	100.0%	
Knifley Ag Supply & Hardware, Campbellsville, KY	2	2	100.0%	15	15	100.0%	
Koch Chinchilla Ranch, Cincinnati, OH	1	1	100.0%	6	6	100.0%	
Kong Company, Golden, CO	2	2	100.0%	7	7	100.0%	
Kreamer Feed Inc, Kreamer, PA	5	5	100.0%	30	30	100.0%	
Kroger, Cincinnati, OH	21	18	85.7%	180	177	98.3%	AH Fat (3)
KY Buying Coop Intl Inc, Lexington, KY	1	1	100.0%	10	10	100.0%	
La Crosse Milling Company, Cochrane, WI	1	1	100.0%	3	3	100.0%	
Lafayette Bay Products LLC, Orono, MN	3	1	33.3%	9	7	77.8%	C Protein (1) AH Fat (1)
Lafeber Company, Cornell, IL	2	2	100.0%	8	8	100.0%	
Lake Cumberland Feed & Farm Supply, LLC, Russell Springs, KY	2	1	50.0%	14	11	78.6%	C Protein (1) Ca (1) Cu (1)
Landus Cooperative, Ralston, IA	2	2	100.0%	10	10	100.0%	
Lazy E Feed and Supply, Russellville, KY	13	13	100.0%	87	87	100.0%	
Lee Wilson & Co, Wilson, AR	1	1	100.0%	6	6	100.0%	
Life Data Labs Inc, Cherokee, AL	2	1	50.0%	22	21	95.5%	Fat (1)
Loving Pets Products, Cranbury, NJ	3	2	66.7%	9	8	88.9%	C Protein (1)
Lowes Pellets & Grain Inc, Greensburg, IN	1	0	0.0%	11	9	81.8%	Cu (1) Se (1)
Luttrull Feeds, Inc., Pembroke, KY	17	9	52.9%	138	127	92.0%	C Protein (3) C Fiber (3) ND Fiber (1) Ca (1) Mg (2) K (1)
M & M Farm Supply, Austin, KY	4	2	50.0%	35	33	94.3%	K (1) Lasalocid (1)
M Pet Group Corp, Hallandale, FL	2	0	0.0%	6	4	66.7%	C Protein (2)
M. I Industries DBA Instinct, Lincoln, NE	8	7	87.5%	81	80	98.8%	AH Fat (1)
Magic Mineral and Attractants, Booneville, KY	2	0	0.0%	12	0	0.0%	Ca (2) P (2) Salt (2) Cu (2) Se (2) Zn (2)
Majesty's Animal Nutrition, Redmond, OR	1	1	100.0%	5	5	100.0%	
Manna Pro Products LLC, Chesterfield, MO	17	15	88.2%	127	125	98.4%	Cu (1) Vit A (1)
Manzanola Feeds, Manzanola, CO	1	1	100.0%	3	3	100.0%	
Marcoot Jersey Creamery, Greenville, IL	2	2	100.0%	8	8	100.0%	

Table 10. Report of official feed samples analyzed, 2023. (continued)

Business Name	Samples			Test			Sample Violations
	Total	# Passed	% Passed	Total	# Passed	% Passed	
Marcy's Pet Kitchen, Riverview, FL	1	1	100.0%	2	2	100.0%	
Mars Fishcare North America Inc, Chalfont, PA	1	1	100.0%	3	3	100.0%	
Mars Petcare US Inc, Franklin, TN	68	57	83.8%	834	821	98.4%	Ca (1) P (11) Ca:P (1)
Marshall Pet Products, Wolcott, NY	3	3	100.0%	9	9	100.0%	
Mar-Vo Mineral Co Inc, Osseo, MI	4	3	75.0%	14	13	92.9%	Salt (1)
Mays Lick Mill, Mays Lick, KY	2	2	100.0%	2	2	100.0%	
Mazelin Feed Mill, Scottsville, KY	19	18	94.7%	152	151	99.3%	Ca (1)
McCauley Brothers Inc, Versailles, KY	24	24	100.0%	242	242	100.0%	
McLovin's Pet, Chino, CA	1	1	100.0%	3	3	100.0%	
McRay Feed LLC, Harrodsburg, KY	22	19	86.4%	135	131	97.0%	C Protein (3) C Fiber (1)
Meijer Inc, Grand Rapids, MI	6	5	83.3%	68	67	98.5%	Fe (1)
Menard Inc, Eau Claire, WI	4	2	50.0%	34	32	94.1%	C Protein (1) AH Fat (1)
Menifee County Farm Supply, Frenchburg, KY	1	1	100.0%	6	6	100.0%	
Merrick Pet Care Inc, Amarillo, TX	13	10	76.9%	175	170	97.1%	AH Fat (1) Ca (2) P (1) Ash (1)
MFS Alliance Inc, Edmonton, KY	4	3	75.0%	27	25	92.6%	Ca (1) Decox (1)
MGPI of Indiana LLC, Lawrenceburg, IN	6	6	100.0%	18	18	100.0%	
Mid America Pet Food LLC, Mt Pleasant, TX	6	5	83.3%	40	39	97.5%	C Protein (1)
Mid South Feeds Inc, Alma, GA	1	1	100.0%	14	14	100.0%	
Mid-States Distributing Co, St. Paul, MN	2	2	100.0%	27	27	100.0%	
Midwest Agri Commodities Co, San Rafael, CA	1	1	100.0%	4	4	100.0%	
Midwestern Pet Foods Inc, Evansville, IN	9	7	77.8%	101	99	98.0%	AH Fat (1) Ash (1)
Midwood Brands, LLC, Chesapeake, VA	6	5	83.3%	66	64	97.0%	Fe (1) Mg (1)
Milo's Kitchen LLC, Pittsburgh, PA	2	0	0.0%	6	4	66.7%	AH Fat (2)
Miracle Corp Products, Dayton, OH	2	1	50.0%	6	5	83.3%	AH Fat (1)
Mississippi Lime Co, St Louis, MO	2	2	100.0%	2	2	100.0%	
Molly's Barkery, London, ON	1	1	100.0%	3	3	100.0%	
Momentum Carnivore Nutrition, Manitowoc, WI	1	0	0.0%	3	1	33.3%	C Protein (1) AH Fat (1)
Monkfield Nutrition Ltd, Mepal, Cambridgeshire, UK	1	1	100.0%	1	1	100.0%	
Monnig Brothers, Ironton, OH	2	2	100.0%	17	17	100.0%	
Mosaic Global Sales LLC, Lithia, FL	1	1	100.0%	3	3	100.0%	
MPM Products USA Inc, Kennesaw, GA	11	11	100.0%	54	54	100.0%	
Mrs Pastures Cookies for Horses, Walnut Creek, CA	1	1	100.0%	5	5	100.0%	
Myers Feed & Farm Supply, Corinth, KY	5	5	100.0%	41	41	100.0%	
Nacho Eats Inc, New York, NY	13	13	100.0%	134	134	100.0%	
Native Pet Inc., St. Louis, MO	1	1	100.0%	4	4	100.0%	
Natural Dog Company, Charlotte, NC	1	1	100.0%	4	4	100.0%	
Natural Polymer Intl Corp, Plano, TX	3	3	100.0%	9	9	100.0%	
Natural Rapport, Earth City, MO	1	0	0.0%	4	3	75.0%	AH Fat (1)
Nature Zone, Chico, CA	1	0	0.0%	3	2	66.7%	Moisture (1)
Nature's Diet LLC, Provo, UT	2	1	50.0%	17	16	94.1%	AH Fat (1)

Table 10. Report of official feed samples analyzed, 2023. (continued)

Business Name	Samples			Test			Sample Violations
	Total	# Passed	% Passed	Total	# Passed	% Passed	
Natures Logic, Lincoln, NE	5	4	80.0%	17	16	94.1%	AH Fat (1)
Natures Recipe Pet Foods, Pittsburgh, PA	2	2	100.0%	28	28	100.0%	
Nestle Purina Petcare Co, St Louis, MO	41	37	90.2%	401	395	98.5%	C Protein (1) AH Fat (1) Ca (2) P (2)
New Zealand King Salmon USA Inc. - Omega Plus, Nelson, O	1	1	100.0%	6	6	100.0%	
Nootie LLC, Delray Beach, FL	2	2	100.0%	16	16	100.0%	
North Coast Seafoods, Boston, MA	5	5	100.0%	68	68	100.0%	
Northwest Naturals, Portland, OR	4	1	25.0%	24	19	79.2%	C Protein (1) AH Fat (2) Ca (1) Ca:P (1)
Nubiozen Inc., Mukilteo, WA	1	1	100.0%	3	3	100.0%	
Nugget's Healthy Eats, Findley Lake, NY	1	1	100.0%	3	3	100.0%	
Nulo Inc, Austin, TX	9	7	77.8%	110	108	98.2%	C Protein (1) P (1)
Nunn Milling Company Inc, Evansville, IN	8	8	100.0%	81	81	100.0%	
Nutra Blend Corp, Neosho, MO	2	2	100.0%	13	13	100.0%	
Nutra Pak, Perryville, MO	1	0	0.0%	8	7	87.5%	K (1)
Nutrena, Minneapolis, MN	28	20	71.4%	255	247	96.9%	C Protein (5) Cu (1) Vit A (2)
Nylabone Products, Neptune, NJ	3	3	100.0%	9	9	100.0%	
OC Raw Dog, Mission Viejo, CA	1	0	0.0%	13	9	69.2%	AH Fat (1) Ca (1) P (1) Cu (1)
Odom's Livestock Supply, Inc., Mayfield, KY	15	9	60.0%	142	134	94.4%	AD Fiber (1) S (3) Vit A (1) Monensin (3)
Old East Main Co, Goodlettsville, TN	10	9	90.0%	97	96	99.0%	Fe (1)
Omega Protein Inc, Reedville, VA	1	1	100.0%	4	4	100.0%	
Only Natural Pet, Boulder, CO	5	2	40.0%	47	43	91.5%	AH Fat (1) Ca (1) P (2)
Open Farm Inc, Toronto, ON	8	7	87.5%	95	94	98.9%	AH Fat (1)
Organomics, Markham, IL	2	0	0.0%	26	23	88.5%	Ca (1) P (2)
Orscheln Farm & Home, Moberly, MO	10	7	70.0%	104	101	97.1%	C Protein (3)
Outward Hound - The Kyjen Corporation, Centennial, CO	3	3	100.0%	8	8	100.0%	
Overton-Pickett Farmers Coop, Livingston, TN	1	1	100.0%	6	6	100.0%	
Owensboro Grain Co LLC, Owensboro, KY	30	27	90.0%	90	87	96.7%	C Protein (3)
Oxbow Enterprises, Murdock, NE	7	7	100.0%	39	39	100.0%	
Pacific Coast Distributing, Phoenix, AZ	4	3	75.0%	16	15	93.8%	C Fiber (1)
Pampa Beverages LLC, Miami, FL	1	0	0.0%	3	2	66.7%	C Protein (1)
Pangea Reptile LLC, Zeeland, MI	3	3	100.0%	15	15	100.0%	
PawLove, Richmond, VA	3	2	66.7%	9	8	88.9%	AH Fat (1)
Pawstruck LLC, Long Beach, CA	2	0	0.0%	17	15	88.2%	AH Fat (2)
Penn Pak Inc, Madison, GA	1	0	0.0%	3	2	66.7%	AH Fat (1)
Pennwoods Equine Products Inc, Centre Hall, PA	1	1	100.0%	4	4	100.0%	
Perdue Agribusiness LLC, Salisbury, MD	4	3	75.0%	26	25	96.2%	C Fiber (1)

Table 10. Report of official feed samples analyzed, 2023. (continued)

Business Name	Samples			Test			Sample Violations
	Total	# Passed	% Passed	Total	# Passed	% Passed	
Performance Feeds, Bowling Green, KY	8	5	62.5%	60	57	95.0%	Decox (1) Monensin (2)
Performance Feeds, Caneyville, KY	26	19	73.1%	192	183	95.3%	C Protein (2) C Fiber (1) AD Fiber (1) Ca (1) P (1) Zn (1) Monensin (2)
Performance Feeds, Red Boiling Spings, TN	23	17	73.9%	165	159	96.4%	Ca (1) Monensin (5)
Performance Seed, St. Cloud, MN	1	1	100.0%	3	3	100.0%	
Pet Brands, Columbus, OH	5	4	80.0%	15	14	93.3%	Fat (1)
Pet Honesty, Austin, TX	1	1	100.0%	3	3	100.0%	
Pet Naturals of Vermont, Essex Junction, VT	1	1	100.0%	3	3	100.0%	
Pet Retail Brands, Toronto, ON	11	11	100.0%	134	134	100.0%	
Pet Trend LLC, Conneaut, OH	1	0	0.0%	3	2	66.7%	AH Fat (1)
Pet Ventures Inc, North Hollywood, CA	3	2	66.7%	9	8	88.9%	C Protein (1)
Pet Wants, Cincinnati, OH	5	4	80.0%	73	72	98.6%	Ash (1)
Pet Wonder US Limited, Seattle, WA	1	1	100.0%	15	15	100.0%	
Pet-Ag Inc, Hampshire, IL	5	5	100.0%	16	16	100.0%	
Petkind, White Rock, BC	2	0	0.0%	8	6	75.0%	Ash (2)
Petknowledgey, Lawrenceville, GA	1	1	100.0%	3	3	100.0%	
Petland - OH, Chillicothe, OH	3	2	66.7%	20	19	95.0%	AH Fat (1)
Petmate Denver, Arlington, TX	1	1	100.0%	3	3	100.0%	
Pet's Best Life LLC, Kansas City, MO	2	2	100.0%	7	7	100.0%	
Pets Global Inc, Gardena, CA	17	11	64.7%	185	174	94.1%	C Protein (1) AH Fat (1) Ca (4) P (3) Ca:P (2)
Phelps Industries LLC, Rockford, IL	3	0	0.0%	9	5	55.6%	C Protein (1) AH Fat (3)
Pine Tree Farms Inc, Interlaken, NY	1	1	100.0%	4	4	100.0%	
PMI Nutrition International LLC, Brentwood, MO	5	5	100.0%	36	36	100.0%	
PMI Nutrition LLC, Arden Hills, MN	9	8	88.9%	95	94	98.9%	C Protein (1)
Poet Nutrition Inc, Sioux Falls, SD	1	1	100.0%	4	4	100.0%	
Polkadog Bakery, Boston, MA	1	0	0.0%	3	2	66.7%	C Protein (1)
Pooch Cake LLC, Washington, PA	1	1	100.0%	3	3	100.0%	
Portland Pet Food Company, Portland, OR	4	3	75.0%	12	11	91.7%	C Protein (1)
Prairie Premium Products Inc., Portage La Prairie, MB	1	0	0.0%	5	4	80.0%	C Protein (1)
Premium Nutritional Products, Mission, KS	2	2	100.0%	11	11	100.0%	
Prewitt Farm Supply, Inc., Williamsburg, KY	2	2	100.0%	12	12	100.0%	
Primal Pet Foods Inc, San Francisco, CA	4	1	25.0%	55	48	87.3%	AH Fat (1) Ca (3) P (2) Na (1)
Producers Rice Mill Inc, Stuttgart, AR	1	1	100.0%	3	3	100.0%	
Professional Nutrition Services, Flemingsburg, KY	1	1	100.0%	3	3	100.0%	
Project Hive Pet Company, Minneapolis, MN	4	4	100.0%	13	13	100.0%	
Pro-Pet LLC (Kansas City), Kansas City, MO	1	1	100.0%	14	14	100.0%	

Table 10. Report of official feed samples analyzed, 2023. (continued)

Business Name	Samples			Test			Sample Violations
	Total	# Passed	% Passed	Total	# Passed	% Passed	
Protrition Feeds, Lavergne, TN	36	29	80.6%	319	311	97.5%	Co (1) Cu (1) Mg (1) Mn (1) Se (2) Zn (1) Lasalocid (1)
Provimi North America Inc, Brookville, OH	1	1	100.0%	8	8	100.0%	
PSP Distribution LLC , Seymour, IN	11	9	81.8%	148	143	96.6%	C Protein (1) AH Fat (1) Ca (1) P (1) Cu (1)
Pupford, Lehi, UT	1	1	100.0%	3	3	100.0%	
Puppy Cake LLC, Evans City, PA	2	2	100.0%	6	6	100.0%	
Pupums Inc., Brooklyn, NY	1	0	0.0%	3	2	66.7%	AH Fat (1)
Purina Animal Nutrition LLC, Shoreview, MN	72	62	86.1%	677	666	98.4%	C Protein (4) Ca (2) P (1) Cu (1) K (1) Se (1) Vit A (1)
Qingcloud Trade Inc., Glendale, CA	1	1	100.0%	3	3	100.0%	
Ralco Nutrition Inc, Marshall, MN	5	4	80.0%	32	31	96.9%	Zn (1)
Raw Basics LLC, Pleasant Prairie, WI	1	0	0.0%	14	13	92.9%	C Protein (1)
Raw Paws Pet Food, Indianapolis, IN	2	0	0.0%	6	2	33.3%	C Protein (2) AH Fat (2)
Ready Pet Go, St. Petersburg, FL	1	0	0.0%	4	3	75.0%	Moisture (1)
Reconserve of Michigan, Inc., Battle Creek, MI	1	1	100.0%	3	3	100.0%	
Red Cedar LLC, Lawrenceburg, KY	6	3	50.0%	47	43	91.5%	C Protein (1) P (1) Vit A (2)
Red River Commodities, Fargo, ND	8	2	25.0%	51	41	80.4%	C Protein (1) Fat (2) Ca (4) Na (3)
Redbarn Pet Products LLC, Great Bend, KS	2	2	100.0%	15	15	100.0%	
Redmond Minerals Inc, Redmond, UT	3	2	66.7%	27	23	85.2%	Fe (1) Mg (1) K (1) S (1)
Rep Cal Research Labs, Los Gatos, CA	2	2	100.0%	7	7	100.0%	
Repashy Ventures Inc, La Jolla, CA	4	3	75.0%	24	23	95.8%	Ash (1)
Ridley Block Operations, Mankato, MN	10	8	80.0%	93	86	92.5%	AD Fiber (1) Co (1) Cu (1) Mn (1) Se (1) Zn (1) Vit A (1)
Ridley Feed Ingredient, Mendota, IL	7	6	85.7%	35	34	97.1%	Fe (1)
Ridley Specialty Products, Mankato, MN	1	1	100.0%	8	8	100.0%	
Ridley USA Inc, Mankato, MN	2	1	50.0%	21	20	95.2%	K (1)
Riley's Organics, St Louis, MO	1	0	0.0%	3	2	66.7%	AH Fat (1)
Rip's Farm Center, Tollesboro, KY	33	25	75.8%	195	186	95.4%	C Protein (2) Fat (1) Salt (1) Cu (1) Zn (1) Monensin (3)
RNF Pet Products Inc., Vaughan, ON	4	4	100.0%	18	18	100.0%	
Rolf C Hagen (USA) Corp, Mansfield, MA	7	5	71.4%	36	33	91.7%	C Protein (1) Ca (2)
Rosewood Pet Products LTD, Shropshire, UK	1	1	100.0%	3	3	100.0%	
Royal Canin USA Inc, St Charles, MO	16	16	100.0%	205	205	100.0%	
Rural King Supply, Mattoon, IL	6	3	50.0%	40	37	92.5%	Fe (2) Se (1)

Table 10. Report of official feed samples analyzed, 2023. (continued)

Business Name	Samples			Test			Sample Violations
	Total	# Passed	% Passed	Total	# Passed	% Passed	
Rush Direct Inc, Wood Dale, IL	3	3	100.0%	9	9	100.0%	
Russell County Feed Mill Inc, Russell Springs, KY	10	7	70.0%	77	74	96.1%	C Protein (2) P (1)
Sams West Inc, Bentonville, AR	2	1	50.0%	30	29	96.7%	Ca (1)
Save-A-Lot LTD, Earth City, MO	3	2	66.7%	36	34	94.4%	Fe (1) Mg (1)
Savory Prime, Ventura, CA	3	3	100.0%	8	8	100.0%	
SB Metals, McKenzie, AL	1	0	0.0%	11	9	81.8%	C Protein (1) Ca (1)
Schell & Kampeter Inc, Meta, MO	1	1	100.0%	13	13	100.0%	
Science Hill Milling Co, Science Hill, KY	13	11	84.6%	93	89	95.7%	C Protein (1) Ca (2) Salt (1)
Scott Pet Products, Rockville, IN	6	5	83.3%	60	59	98.3%	Se (1)
Seiter Farms Inc, California, KY	4	4	100.0%	12	12	100.0%	
Seventy Feeds LLC, Eubank, KY	5	5	100.0%	27	27	100.0%	
Shaded Trails, San Diego, CA	1	1	100.0%	3	3	100.0%	
Shameless Pets, Chicago, IL	5	2	40.0%	16	11	68.8%	C Protein (1) AH Fat (3) C Fiber (1)
Siemer Milling Company, Hopkinsville, KY	1	1	100.0%	4	4	100.0%	
Siemer Milling Company, Teutopolis, IL	2	2	100.0%	8	8	100.0%	
Simmons Grain Company, Salem, OH	1	1	100.0%	3	3	100.0%	
Simply Nourish Pet Food Co, Phoenix, AZ	16	15	93.8%	162	161	99.4%	Ash (1)
Simply Protein for Pets, Atlanta, GA	1	1	100.0%	3	3	100.0%	
Sligo Feed Mill, Pendleton, KY	6	6	100.0%	52	52	100.0%	
Smallbatch Pets, Midway, UT	3	2	66.7%	9	7	77.8%	C Protein (1) AH Fat (1)
Smart Cookie Bakery, Golden, CO	1	0	0.0%	3	2	66.7%	C Protein (1)
Smokehouse Pet Products, Sun Valley, CA	1	1	100.0%	3	3	100.0%	
Solid Gold Pet LLC, Greenville, SC	13	12	92.3%	154	153	99.4%	Ca:P (1)
SOULISTIC, NATICK, MA	3	3	100.0%	39	39	100.0%	
Southern Barker, Lexington, KY	2	1	50.0%	6	4	66.7%	C Protein (1) AH Fat (1)
Southern Kentucky Feed & Grain, Bowling Green, KY	14	9	64.3%	81	74	91.4%	C Protein (1) C Fiber (4) Ca (1) P (1)
Southern State Coop Inc., Richmond, VA	1	1	100.0%	14	14	100.0%	
Southern States, Cadiz, KY	1	1	100.0%	10	10	100.0%	
Southern States, Danville, KY	4	4	100.0%	12	12	100.0%	
Southern States, Elizabethtown, KY	2	1	50.0%	7	6	85.7%	Cu (1)
Southern States, Flemingsburg, KY	15	13	86.7%	75	72	96.0%	C Protein (2) Fat (1)
Southern States, Georgetown, KY	2	2	100.0%	13	13	100.0%	
Southern States, Hopkinsville, KY	1	0	0.0%	11	9	81.8%	Mg (1) Se (1)
Southern States, London, KY	9	4	44.4%	54	46	85.2%	C Protein (3) Fat (2) Ca (1) Cu (1) Zn (1)
Southern States, Owingsville, KY	2	1	50.0%	8	7	87.5%	AD Fiber (1)
Southern States, Somerset, KY	2	2	100.0%	10	10	100.0%	

Table 10. Report of official feed samples analyzed, 2023. (continued)

Business Name	Samples			Test			Sample Violations
	Total	# Passed	% Passed	Total	# Passed	% Passed	
Specialty Feeds Inc, Memphis, TN	4	2	50.0%	56	53	94.6%	C Protein (1) Ca (1) P (1)
Specialty Products Resources Inc, Waltham, MA	1	0	0.0%	4	3	75.0%	AH Fat (1)
Spectrum Brands Pet, LLC, Blacksburg, VA	10	9	90.0%	55	54	98.2%	Ash (1)
Spot & Tango, New York, NY	2	1	50.0%	7	6	85.7%	AH Fat (1)
Square Pet Nutrition LLC, Austin, TX	2	2	100.0%	22	22	100.0%	
Standlee Hay Co Inc, Eden, ID	4	1	25.0%	28	22	78.6%	C Protein (2) ND Fiber (1) Cu (1) Zn (1) Ash (1)
Stella & Chewy's LLC, Oak Creek, WI	14	13	92.9%	159	157	98.7%	C Protein (1) AH Fat (1)
Stormberg Foods LLC, Goldsboro, NC	1	1	100.0%	3	3	100.0%	
Strite Custom Feeds LLC, Crab Orchard, KY	7	6	85.7%	46	45	97.8%	Decox (1)
Stutzman's Feed Mill, Marion, KY	6	5	83.3%	46	45	97.8%	P (1)
Summersville Feed Mill, Summersville, KY	1	1	100.0%	9	9	100.0%	
Sun Seed Company, Bowling Green, OH	1	0	0.0%	7	6	85.7%	AH Fat (1)
Sunbird Inc., Huron, SD	1	0	0.0%	4	3	75.0%	AH Fat (1)
Sunny Pastures Feed, Harrodsburg, KY	1	1	100.0%	6	6	100.0%	
Sunshine Mills Inc, Red Bay, AL	26	23	88.5%	256	253	98.8%	C Protein (1) AH Fat (1) C Fiber (1)
Superior Ag Resources, Dale, IN	1	0	0.0%	11	5	45.5%	C Protein (1) Ca (1) Salt (1) Na (1) Vit A (1) Monensin (1)
Superior Farms Pet Provisions, Dixon, CA	1	0	0.0%	4	3	75.0%	C Protein (1)
Supreme Petfoods LTD, Ipswich Suffolk,	5	5	100.0%	25	25	100.0%	
SwedenCare USA, Poulsbo, WA	1	1	100.0%	3	3	100.0%	
T & L Commodity Transport LLC, Paris, KY	1	0	0.0%	3	2	66.7%	C Protein (1)
T & T Feed and Seed, Bardstown, KY	3	3	100.0%	17	17	100.0%	
Tailbangers, Millsboro, DE	3	2	66.7%	8	7	87.5%	Fat (1)
Tailspring, Turlock, CA	6	4	66.7%	13	11	84.6%	AH Fat (2)
Target Corporation, Minneapolis, MN	5	5	100.0%	56	56	100.0%	
Taste of the Wild, Meta, MO	7	7	100.0%	95	95	100.0%	
Tate & Lyle Ingredients Americas, Decatur, IL	4	4	100.0%	12	12	100.0%	
Tender & True Pet Nutrition, Omaha, NE	5	4	80.0%	64	61	95.3%	AH Fat (1) Ca (1) P (1)
Tennessee Farmers Coop, Lavergne, TN	1	1	100.0%	6	6	100.0%	
The Crump Group Inc, Brampton, ON	3	2	66.7%	9	8	88.9%	C Protein (1)
The Granville Island Pet Treatery, Surrey, BC	2	0	0.0%	6	3	50.0%	C Protein (1) AH Fat (2)
The Grocery Pup, Austin, TX	2	1	50.0%	27	24	88.9%	AH Fat (1) C Fiber (1) Ca:P (1)
The High Hopes Pets Co. LLC., Lincolnwood, IL	2	1	50.0%	6	5	83.3%	C Protein (1)
The Honest Kitchen Inc, San Diego, CA	5	5	100.0%	44	44	100.0%	
The Hyland Company Inc, Ashland, KY	23	15	65.2%	297	283	95.3%	C Protein (2) Fat (1) AH Fat (2) Ca (5) P (4)

Table 10. Report of official feed samples analyzed, 2023. (continued)

Business Name	Samples			Test			Sample Violations
	Total	# Passed	% Passed	Total	# Passed	% Passed	
The Phoenix Company, Willows, CA	1	1	100.0%	4	4	100.0%	
Three Dog Bakery LLC, Kansas City, MO	3	3	100.0%	9	9	100.0%	
Three Ring LLC, Secaucus, NJ	1	0	0.0%	3	2	66.7%	AH Fat (1)
Topco Associates, Elk Grove Village, IL	27	23	85.2%	275	271	98.5%	AH Fat (1) Ca (1) Cu (1) Ca:P (1)
Tractor Supply Company, Brentwood, TN	98	80	81.6%	944	921	97.6%	C Protein (4) AH Fat (2) AD Fiber (1) Ca (3) Salt (2) K (9) Na (1) Zn (1)
Trader Joe's, Monsey, NY	3	2	66.7%	9	8	88.9%	C Protein (1)
Treat Collective, Fresno, CA	3	0	0.0%	11	8	72.7%	AH Fat (3)
Treats for Chickens, Cotati, CA	1	1	100.0%	7	7	100.0%	
Tri-County Fertilizer Co., Inc., Richmond, KY	5	3	60.0%	27	25	92.6%	C Protein (2)
Triple Trust Tubs, Mount Sterling, KY	1	1	100.0%	11	11	100.0%	
Tucker Milling LLC, Guntersville, AL	6	4	66.7%	62	60	96.8%	P (1) Zn (1)
Tuffys Pet Foods Inc, Perham, MN	8	8	100.0%	98	98	100.0%	
Tyson Foods Inc., Springdale, AR	8	4	50.0%	52	47	90.4%	Fat (3) Ash (2)
Tzumi Innovations, New York, NY	3	3	100.0%	9	9	100.0%	
Ultimate Whitetail, Columbia, KY	3	2	66.7%	25	24	96.0%	Salt (1)
United Livestock Commodities, Mayfield, KY	14	6	42.9%	103	92	89.3%	C Protein (1) Salt (2) Cu (1) Se (2) Zn (2) Vit A (1) Monensin (2)
Vapple Products, Hazlehurst, GA	1	1	100.0%	4	4	100.0%	
Veterinary & Poultry Supply, Goshen, IN	1	1	100.0%	6	6	100.0%	
Vets Plus Inc, Menomonie, WI	2	2	100.0%	8	8	100.0%	
Virbac Ah Inc, Fort Worth, TX	5	5	100.0%	46	46	100.0%	
Vitakraft Sun Seed Co Inc, Bowling Green, OH	5	5	100.0%	21	21	100.0%	
Vivotein LLC, Ontario, CA	1	0	0.0%	5	2	40.0%	C Protein (1) AH Fat (1) Ca (1)
W F Young Inc, East Longmeadow, MA	2	2	100.0%	8	8	100.0%	
Wakarusa Nutritional Service, Wakarusa, IN	3	3	100.0%	19	19	100.0%	
Walgreen Co, Deerfield, IL	2	2	100.0%	6	6	100.0%	
Wal-Mart Stores Inc, Bentonville, AR	8	8	100.0%	99	99	100.0%	
Ware Milling, Houston, MS	2	2	100.0%	10	10	100.0%	
Watson Cattle Nutrition, Bowling Green, KY	1	1	100.0%	9	9	100.0%	
Wellness Pet LLC, Tewksbury, MA	16	16	100.0%	164	164	100.0%	
Weruva International Inc, Natick, MA	6	6	100.0%	78	78	100.0%	
West Feeds, Barbourville, KY	3	3	100.0%	19	19	100.0%	
West Paw, Bozeman, MT	1	0	0.0%	3	2	66.7%	AH Fat (1)
Westminster Pet Pproducts, Pawtucket, RI	1	0	0.0%	3	2	66.7%	AH Fat (1)
Wet Noses Natural Dog Treat Co, Monroe, WA	1	1	100.0%	3	3	100.0%	
Whitebridge Pet Products, Chesterfield, MO	22	20	90.9%	149	147	98.7%	AH Fat (2)
Whitetail Heaven Elite Outdoor Superstore, Nicholasville, KY	1	1	100.0%	12	12	100.0%	
Whitetail Institute of North America, Pintlala, AL	1	1	100.0%	7	7	100.0%	

Table 10. Report of official feed samples analyzed, 2023. (continued)

Business Name	Samples			Test			Sample Violations
	Total	# Passed	% Passed	Total	# Passed	% Passed	
Whitetail Mash LLC, Versailles, KY	2	2	100.0%	12	12	100.0%	
Whole Foods Market, Austin, TX	4	4	100.0%	53	53	100.0%	
Whole Life Pet Products, Pittsfield, ME	1	0	0.0%	3	2	66.7%	AH Fat (1)
Wholesale Merchandisers, Grand Rapids, MI	1	1	100.0%	4	4	100.0%	
Wigglewow, Crestwood, KY	1	1	100.0%	4	4	100.0%	
Wild Meadows Farms, Salunga, PA	3	0	0.0%	9	6	66.7%	AH Fat (3)
Wildgame Innovations LLC, Baton Rouge, LA	1	0	0.0%	9	7	77.8%	Fat (1) Ca (1)
Willard Milling, Inc., Grayson, KY	16	14	87.5%	164	162	98.8%	C Protein (1) AH Fat (1)
Wilmont Pet Products, Chicago, IL	1	1	100.0%	1	1	100.0%	
Winchester Feeds Inc, Winchester, KY	8	8	100.0%	69	69	100.0%	
Winchester Nutrition, Winchester, KY	1	0	0.0%	6	5	83.3%	P (1)
Winding Way Farm, LLC, Union, KY	2	1	50.0%	8	7	87.5%	Fat (1)
Winnie Lou - The Canine Company, Louisville, CO	1	1	100.0%	4	4	100.0%	
Woodford Feed Co Inc, Versailles, KY	9	9	100.0%	81	81	100.0%	
Woodys Feed & Grain, Dickinson, ND	1	0	0.0%	10	9	90.0%	C Protein (1)
Woof Pet Inc., Denver, CO	1	0	0.0%	3	2	66.7%	AH Fat (1)
Yaggies Inc, Yankton, SD	1	0	0.0%	3	2	66.7%	C Protein (1)
Yappetizers Treat Company Ltd, Richmond, BC	1	0	0.0%	3	1	33.3%	Fat (1) Moisture (1)
Yauger Farm Supply Inc., Southside, WV	1	1	100.0%	7	7	100.0%	
Yellow Yak, Everett, WA	2	1	50.0%	8	7	87.5%	C Protein (1)
Ziwipeak LTD, Carmel, CA	2	0	0.0%	29	26	89.7%	AH Fat (1) P (2)
Zoo Med Laboratories Inc., San Luis Obispo, CA	2	2	100.0%	10	10	100.0%	
Zukes, Durango, CO	2	2	100.0%	6	6	100.0%	
Zuru LLC, El Segun0, CA	3	2	66.7%	9	8	88.9%	AH Fat (1)
Totals	3,173	2,461	77.6%	25,564	24,533	96.0%	

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