



The Consumer Funded Pet Food Test

The Pet Food Test is dedicated to the many pets that have been sickened or killed linked to a toxic pet food or treat.

The Pet Food Test is the first consumer funded in-depth examination of pet food. The findings detailed in this report are a pet food snapshot in time; a scientific representation to the possible dangers that could be lurking inside a bag or can of pet food.

The Pet Food Test examined twelve pet food products, six cat foods and six dog foods. Testing was performed with the assistance of INTI Services. Eleven pet food products were ordered online (shipped directly from online retailer to INTI Services), one pet food product was purchased directly from a veterinarian. Products were shipped 'blind' to numerous laboratories contracted by INTI Services.

Pet foods were tested for:

Mycotoxins. Mycotoxins are a toxic substance produced by a fungus and especially a mold - grains are prone to mycotoxin mold growth. Existing studies of mycotoxin contamination in pet food have shown that day to day consumption of small amounts of mycotoxins can result in "chronic diseases such as liver and kidney fibrosis, infections resulting from immunosuppression and cancer." Experts suggest chronic diseases are "often overlooked" as caused from long term consumption of lesser amounts of mycotoxins.

Our budget allowed for testing of eight (of twelve) pet foods for 37 different mycotoxins. Results found all pet foods had some level of mycotoxin contamination, four pet foods tested as Low Risk, two pet foods tested as Medium Risk, and two pet foods tested as High Risk.

Guaranteed Analysis/mineral content. Pet foods are required to meet various nutritional requirements established by the American Association of Feed Control Officials (AAFCO) and enforced by FDA and State Department of Agriculture.

All twelve of our pet food products were tested for Guaranteed Analysis nutrient and mineral content. Results were compared with AAFCO nutrient requirements and suggested nutrient maximum as established by the National Research Council's (NRC) publication Mineral Tolerances of Animals. Our testing found four instances in excess of nutrient maximum suggested by NRC in cat foods, five instances in excess of nutrient maximum suggested by NRC in dog foods, and five instances of excess of AAFCO regulatory nutrient maximum in dog foods.

Cyanuric Acid and Melamine. The 2007 pet food recall killed and sickened countless thousands of pets due to the combination of cyanuric acid and melamine being added to pet food ingredients.

All twelve of our pet food products were tested for cyanuric acid and melamine; our results found no measurable level of either contaminant.

Euthanizing Drugs. In 2002 the FDA released the report "Risk of Pentobarbital in Dog Food". The FDA tested numerous dog foods and in many found the animal euthanizing drug pentobarbital.

All twelve of our pet food products were tested for euthanizing drugs; our results found no measurable amount of these contaminants in any pet food tested.



The Pet Food Test Consumer Funded

Bacteria. The FDA's Bad Bug Book defines Bacteria as: *"Bacteria are made up of one cell. Most bacteria aren't harmful; some are helpful to humans and to the environment. But some can cause illness when they enter the human body, including harmful bacteria that enter with contaminated food or water. Some bacteria make a toxin that causes illness. Others cause symptoms not by making a toxin, but by causing a strong reaction by the immune system – the body's way of trying to kill bacteria, viruses, and other substances that don't belong in it."*

All twelve of our pet food products were tested for Bacteria content (results stated in percentage of total bacterial content). Results found: nine pet foods contained one or more bacteria FDA terms as 'Qualifying Pathogens' which "have the potential to pose a serious threat to public health"; ten pet foods contained one or more "Pathogenic Microorganisms" listed in the FDA's Bad Bug Book; nine pet foods contained one or more bacteria the Food and Agriculture Organization of the United Nations links to "spoilage of meat"; and nine pet foods contained one or more potential pathogenic bacteria per analysis by Dr. Jean Dodds.

Full results provided in this report are as follows:

Section 1 - Details Pet Food Products Tested Report and Results Overview

Section 2 - Mycotoxin Report

Section 3 - Guaranteed Analysis Report

Section 4 - Cyanuric Acid and Melamine Report

Section 5 - Euthanizing Drug Report

Section 6 - Bacteria Report

Closing statement from Association for Truth in Pet Food

**The results found in this report are for informational purposes only.
The testing results are not intended to sway consumer opinion/purchases
for or against any particular product or company.**

Please note: The results provided within this report only represent the one individual product tested.

Section 1 - Products Tested and Results Overview

Cat Foods Can



Sample ID: INTI-01
Species: Cat

Sample Description: Manufacturer: Mars Pet Care. Variety: Royal Canin Veterinary Diet Renal LP Modified in Gravy Can Cat Food. Purchased from Pet360.

Lot Code: Best by: 01272016 0836 405A1NSC1 8:36 FRS
UPC: 30111604507
Type: Moist Can

Test Results
Found

Mycotoxin Concern

+

Nutrient Concern

+

Bacteria Concern



Sample ID: INTI-02
Species: Cat

Sample Description: Manufacturer: Purina Pet Care. Variety: Fancy Feast Grilled Chicken Variety Pack Purina Canned Cat Food. Purchased from Walmart.

Lot Code: Best before: Apr 2016 4112 1791 15:20 L2 4170
UPC: 50000869961
Type: Moist Can

Test Results
Found

Mycotoxin Concern

+

Nutrient Concern

+

Bacteria Concern



Sample ID: INTI-03
Species: Cat

Sample Description: Manufacturer: Hill's Science Diet. Variety: Science Diet Adult Hairball Control Minced Chicken Entree Cat Food Can. Purchased from Pet Food Direct.

Lot Code: Best before: 02 2016 T2940636 4525
UPC: 052742452500
Type: Moist Can

Test Results
Found

Nutrient Concern

+

Bacteria Concern

Cat Foods Dry/Kibble



Sample ID: INTI-04
Species: Cat

Sample Description: Manufacturer: Big Heart Brands (formerly DeMonte Foods). Variety: Meow Mix Tender Centers Salmon & Turkey Flavors Dry. Purchased from Walmart.

Lot Code: Best before: 02 2016 T2940636 4525
UPC: 829274519137
Type: Dry, Kibble

Test Results Found

Mycotoxin Concern

+

Bacteria Concern



Sample ID: INTI-05
Species: Cat

Sample Description: Manufacturer: Purina Pet Foods. Variety: Friskies Grillers Cat Food Dry. Purchased from Walmart.

Lot Code: Best by Mar 2015 40701079 0544L05
UPC: 050000018406
Type: Dry, Kibble

Test Results Found

Bacteria Concern



Sample ID: INTI-06
Species: Cat

Sample Description: Manufacturer: WellPet. Variety: Wellness Complete Health Deboned Chicken, Chicken Meal & Rice Adult Cat Food Dry. Purchased from Petco.

Lot Code: Best if used by 22 Aug 2015 1444 B11 1130
UPC: 076344089377

Type: Dry, Kibble

Test Results Found

Mycotoxin Concern

+

Bacteria Concern

Dog Foods Can



Sample ID: INTI-07
Species: Dog

Sample Description: Manufacturer: Hill's Pet Food. Variety: Hill's Prescription Diet C/D Urinary Tract Health Can. Purchased from veterinarian.
Type: Moist, Can

Test Results Found	Mycotoxin Concern	+	Nutrient Concern	+	Bacteria Concern
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Sample ID: INTI-08
Species: Dog



Sample Description: Manufacturer: FreshPet Pet Foods. Variety: Vital Chicken Beef, Salmon & Egg Recipe Grain Free Fresh Dog Food. Purchased from Pet Food Direct.

Lot Code: Sell by: 12/08/14 06:33 FBP
UPC: 851893001755
Type: Moist

Test Results Found	Nutrient Concern
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Sample ID: INTI-09
Species: Dog



Sample Description: Manufacturer: Mars Pet Care. Variety: Cesar Top Sirloin Beef and Grilled Chicken Variety 12 Pk. Purchased from Walmart.

Lot Code: BB 06/08/2016 424C2ARKF1 01:50
UPC: 023100056722
Type: Moist, Can

Test Results Found	Mycotoxin Concern	+	Nutrient Concern	+	Bacteria Concern
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Dog Foods Dry/Kibble, Semi-Moist



Sample ID: INTI-10
Species: Dog

Sample Description: Manufacturer: Blue Buffalo Pet Foods. Variety: Blue Freedom Grain Free Chicken Recipe Adult Dog Food Dry. Purchased from Petco.

Lot Code: Best if used by: Jul 27 15P 2117 5 4D28
UPC: 859610006779
Type: Dry, Kibble

Test Results Found

Mycotoxin Concern

+

Bacteria Concern



Sample ID: INTI-11
Species: Dog

Sample Description: Manufacturer: Purina Pet Foods. Variety: Beneful Original Dog Food Dry. Purchased from Walmart.

Lot Code: Best by: Jun 2015 41641079 1514L05
UPC: 017800134804
Type: Dry, Kibble

Test Results Found

Mycotoxin Concern

+

Bacteria Concern



Sample ID: INTI-12
Species: Dog

Sample Description: Manufacturer: Walmart. Variety: Ol' Roy Dog Food Soft & Moist Beef Flavor Dog Food Semi-Moist. Purchased from Walmart.

Lot Code: Best by: Jul 2015 42026002 0209 L01
UPC: 078742225951
Type: Semi-Moist

Test Results Found

Nutrient Concern

+

Bacteria Concern

Section 2 - Mycotoxin Analysis Report

Mycotoxins are a toxic substance produced by a fungus and especially a mold - grains are prone to mycotoxin mold growth. High levels of mycotoxin can cause pet death. [Existing studies](#) of mycotoxin contamination in pet food have shown that day to day consumption of small amounts of mycotoxin can result in *“chronic diseases such as liver and kidney fibrosis, infections resulting from immunosuppression and cancer.”* Experts suggest chronic diseases are *“often overlooked”* as caused from long term consumption of lesser amounts of mycotoxin.

Mycotoxin levels of pet foods and/or pet food ingredients are regulated by the FDA.

Our budget allowed for eight of the 12 pet foods to be tested for mycotoxin contamination; we tested for 37 different mycotoxin in each of the eight pet foods. Each result is issued a 'Risk Equivalent Quality'. Developed by an industry mycotoxin analytical laboratory (Alltech), the Risk Equivalent Quantity is representative of the overall risk to a species when considering all mycotoxin present in a food/feed sample. Each result also provides comment to the risk of mycotoxin found for the animal, provided by the INTI Scientists that oversaw The Pet Food Test.



Sample ID: INTI-01
Species: Cat

Sample Description: Mars Royal Canin Veterinary Diet Renal LP Modified in Gravy Can Cat Food.

Sample Comments: Contains multiple mycotoxins. All mycotoxins are at low risk and have generated a **Risk Equivalent Quality (REQ)** approaching caution due to the number (4) and the levels of mycotoxins present.

Mycotoxin Risk Equivalent Quality = 8



Lab Results		Comparison		
Toxins	Amount, PPB	Low Risk	Medium Risk	High Risk
Aflatoxin (B1)	0	5	10	20
Aflatoxin (B1, B2, G1, G2)	1.59	5	10	20
Ochratoxins (A,B)	2.2	10	20	30
Type B Trichothecenes *	0	100	250	500
Type A Trichothecenes **	0	20	30	40
Fumonisin (B1, B2, B3)	335.01	500	1000	1500
Zearalenone Group	0	25	50	75
Fusaric Acid	142.01	1000	2000	3000
Penicillium Mycotoxins ***	0	40	70	100
Aspergillus Mycotoxins ****	0	40	60	80
Ergot Toxins	0	250	500	1000
Risk Equivalent Quality	8	5	10	20

* Type B Trichothecenes = Deoxynivalenol (DON), 15-acetyl DON, 3-acetyl DON, Fusarenon X, Nivalenol, DON-3-Glucoside **Type A Trichothecenes = T-2, HT-2, Diacetoxyscirpenol (DAS), Neosolaniol

***Penicillium Mycotoxins = Patulin, Penicillic acid, Roquefortine C, Mycophenolic acid, Wortmannin

****Aspergillus Mycotoxins = Gliotoxin, Sterigmatocystin, Verruculogen

Sample ID: INTI-02
Species: Cat



Sample Description: Purina Fancy Feast Grilled Chicken Variety Pack Purina Canned Cat Food.

Sample Comments: Contains multiple mycotoxins. All mycotoxins are at low risk and have generated a low risk REQ.

Mycotoxin Risk Equivalent Quality = 1



Lab Results		Comparison		
Toxins	Amount, PPB	Low Risk	Medium Risk	High Risk
Aflatoxin (B1)	0	5	10	20
Aflatoxin (B1, B2, G1, G2)	0	5	10	20
Ochratoxins (A,B)	0	10	20	30
Type B Trichothecenes *	15.28	100	250	500
Type A Trichothecenes **	0	20	30	40
Fumonisin (B1, B2, B3)	0	500	1000	1500
Zearalenone Group	0	25	50	75
Fusaric Acid	0	1000	2000	3000
Penicillium Mycotoxins ***	0	40	70	100
Aspergillus Mycotoxins ****	1.87	40	60	80
Ergot Toxins	0	250	500	1000
Risk Equivalent Quality	1	5	10	20

* Type B Trichothecenes = Deoxynivalenol (DON), 15-acetyl DON, 3-acetyl DON, Fusarenon X, Nivalenol, DON-3-Glucoside **Type A Trichothecenes = T-2, HT-2, Diacetoxyscirpenol (DAS), Neosolaniol

***Penicillium Mycotoxins = Patulin, Penicillic acid, Roquefortine C, Mycophenolic acid, Wortmannin

****Aspergillus Mycotoxins = Gliotoxin, Sterigmatocystin, Verruculogen



Sample ID: INTI-04
Species: Cat

Sample Description: Big Heart Meow Mix Tender Centers Salmon & Turkey Flavors Dry.

Sample Comments: Contains multiple mycotoxins. Other Aspergillus is at high risk and these can cause tremors and convulsion, bloody diarrhea and lower immune response. Fumonisin are at caution and can lower food intake, cause digestive disorder, and impact liver function lowering immune response. Zearalenone is approaching caution and can impact reproduction and sexual maturity and at high levels can cause abortions. The REQ is at high risk due to the number (7) and the levels of mycotoxins present.

Mycotoxin Risk Equivalent Quality = 70



Lab Results		Comparison		
Toxins	Amount, PPB	Low Risk	Medium Risk	High Risk
Aflatoxin (B1)	0	5	10	20
Aflatoxin (B1, B2, G1, G2)	0	5	10	20
Ochratoxins (A,B)	0	10	20	30
Type B Trichothecenes *	92.8	100	250	500
Type A Trichothecenes **	0	20	30	40
Fumonisin (B1, B2, B3)	749.19	500	1000	1500
Zearalenone Group	24.57	25	50	75
Fusaric Acid	133.15	1000	2000	3000
Penicillium Mycotoxins ***	20.17	40	70	100
Aspergillus Mycotoxins ****	178.83	40	60	80
Ergot Toxins	0	250	500	1000
Risk Equivalent Quality	70	5	10	20

* Type B Trichothecenes = Deoxynivalenol (DON), 15-acetyl DON, 3-acetyl DON, Fusarenon X, Nivalenol, DON-3-Glucoside **Type A Trichothecenes = T-2, HT-2, Diacetoxyscirpenol (DAS), Neosolaniol

***Penicillium Mycotoxins = Patulin, Penicillic acid, Roquefortine C, Mycophenolic acid, Wortmannin

****Aspergillus Mycotoxins = Gliotoxin, Sterigmatocystin, Verruculogen



Sample ID: INTI-06
Species: Cat

Sample Description: Wellness Complete Health Deboned Chicken, Chicken Meal & Rice Adult Cat Food Dry.

Sample Comments: Contains multiple mycotoxins. Type B Trichothecenes are at low risk but Fusaric Acid is present and can act synergistically to magnify the negative impact on food intake, growth, gut health, liver function and immune response. The REQ is at caution due to the number (5) and the levels of mycotoxins present.

Mycotoxin Risk Equivalent Quality = 10



Lab Results		Comparison		
Toxins	Amount, PPB	Low Risk	Medium Risk	High Risk
Aflatoxin (B1)	0	5	10	20
Aflatoxin (B1, B2, G1, G2)	0	5	10	20
Ochratoxins (A,B)	2.35	10	20	30
Type B Trichothecenes *	124.45	100	250	500
Type A Trichothecenes **	0	20	30	40
Fumonisin (B1, B2, B3)	133.36	500	1000	1500
Zearalenone Group	0	25	50	75
Fusaric Acid	168.63	1000	2000	3000
Penicillium Mycotoxins ***	0	40	70	100
Aspergillus Mycotoxins ****	0	40	60	80
Ergot Toxins	9.13	250	500	1000
Risk Equivalent Quality	10	5	10	20

* Type B Trichothecenes = Deoxynivalenol (DON), 15-acetyl DON, 3-acetyl DON, Fusarenon X, Nivalenol, DON-3-Glucoside **Type A Trichothecenes = T-2, HT-2, Diacetoxyscirpenol (DAS), Neosolaniol
 ***Penicillium Mycotoxins = Patulin, Penicillic acid, Roquefortine C, Mycophenolic acid, Wortmannin
 ****Aspergillus Mycotoxins = Gliotoxin, Sterigmatocystin, Verruculogen

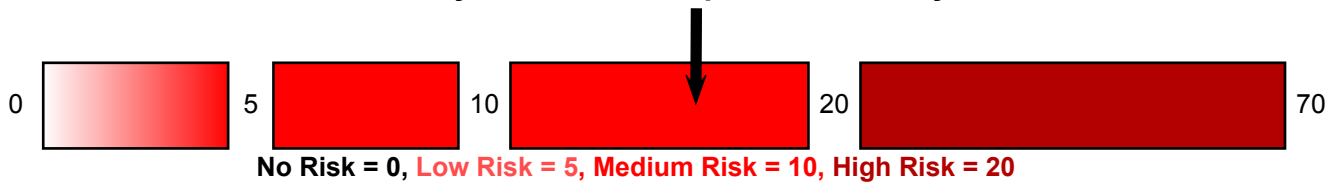


Sample ID: INTI-07
Species: Dog

Sample Description: Hill's Prescription Diet C/D Urinary Tract Health Dog Food Can.

Sample Comments: Contains multiple mycotoxins. Fusaric Acid is at caution and can lower blood pressure, cause edemas and cause the dog to be lethargic. The REQ is at caution due to the number (3) and the levels of mycotoxins present.

Mycotoxin Risk Equivalent Quality = 16



Lab Results		Comparison		
Toxins	Amount, PPB	Low Risk	Medium Risk	High Risk
Aflatoxin (B1)	0	5	10	20
Aflatoxin (B1, B2, G1, G2)	0	5	10	20
Ochratoxins (A,B)	2.44	10	20	30
Type B Trichothecenes *	0	100	250	500
Type A Trichothecenes **	0	20	30	40
Fumonisin (B1, B2, B3)	400.92	500	1000	1500
Zearalenone Group	0	25	50	75
Fusaric Acid	1309.72	1000	2000	3000
Penicillium Mycotoxins ***	0	40	70	100
Aspergillus Mycotoxins ****	0	40	60	80
Ergot Toxins	0	250	500	1000
Risk Equivalent Quality	16	5	10	20

* Type B Trichothecenes = Deoxynivalenol (DON), 15-acetyl DON, 3-acetyl DON, Fusarenon X, Nivalenol, DON-3-Glucoside **Type A Trichothecenes = T-2, HT-2, Diacetoxyscirpenol (DAS), Neosolaniol
 ***Penicillium Mycotoxins = Patulin, Penicillic acid, Roquefortine C, Mycophenolic acid, Wortmannin
 ****Aspergillus Mycotoxins = Gliotoxin, Sterigmatocystin, Verruculogen

Sample ID: INTI-09
Species: Dog



Sample Description: Mars Cesar Top Sirloin Beef and Grilled Chicken Variety 12 Pk.

Sample Comments: This sample of dog food contains only Ochratoxin A at low risk and has generated a low risk REQ.

Mycotoxin Risk Equivalent Quality = 2



Lab Results		Comparison		
Toxins	Amount, PPB	Low Risk	Medium Risk	High Risk
Aflatoxin (B1)	0	5	10	20
Aflatoxin (B1, B2, G1, G2)	0	5	10	20
Ochratoxins (A,B)	2.36	10	20	30
Type B Trichothecenes *	0	100	250	500
Type A Trichothecenes **	0	20	30	40
Fumonisin (B1, B2, B3)	0	500	1000	1500
Zearalenone Group	0	25	50	75
Fusaric Acid	0	1000	2000	3000
Penicillium Mycotoxins ***	0	40	70	100
Aspergillus Mycotoxins ****	0	40	60	80
Ergot Toxins	0	250	500	1000
Risk Equivalent Quality	2	5	10	20

* Type B Trichothecenes = Deoxynivalenol (DON), 15-acetyl DON, 3-acetyl DON, Fusarenon X, Nivalenol, DON-3-Glucoside **Type A Trichothecenes = T-2, HT-2, Diacetoxyscirpenol (DAS), Neosolaniol

***Penicillium Mycotoxins = Patulin, Penicillic acid, Roquefortine C, Mycophenolic acid, Wortmannin

****Aspergillus Mycotoxins = Gliotoxin, Sterigmatocystin, Verruculogen

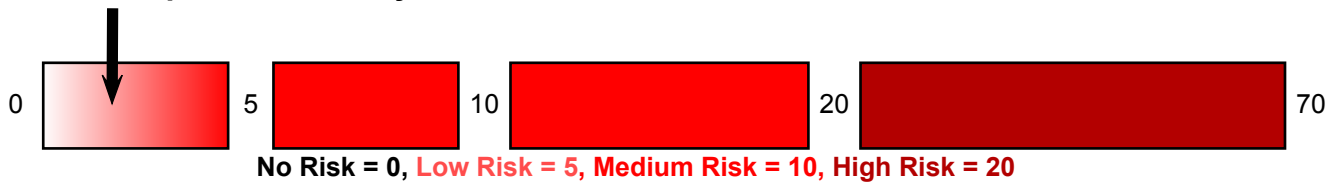


Sample ID: INTI-10
Species: Dog

Sample Description: Blue Buffalo Grain Free Chicken Recipe Adult Dog Food Dry.

Sample Comments: Contains multiple mycotoxins. All mycotoxins are at low risk and have generated a low risk REQ.

Mycotoxin Risk Equivalent Quality = 2



Lab Results		Comparison		
Toxins	Amount, PPB	Low Risk	Medium Risk	High Risk
Aflatoxin (B1)	0	5	10	20
Aflatoxin (B1, B2, G1, G2)	0	5	10	20
Ochratoxins (A,B)	0	10	20	30
Type B Trichothecenes *	0	100	250	500
Type A Trichothecenes **	0	20	30	40
Fumonisin (B1, B2, B3)	68.92	500	1000	1500
Zearalenone Group	0	25	50	75
Fusaric Acid	0	1000	2000	3000
Penicillium Mycotoxins ***	0	40	70	100
Aspergillus Mycotoxins ****	0	40	60	80
Ergot Toxins	39.7	250	500	1000
Risk Equivalent Quality	2	5	10	20

* Type B Trichothecenes = Deoxynivalenol (DON), 15-acetyl DON, 3-acetyl DON, Fusarenon X, Nivalenol, DON-3-Glucoside **Type A Trichothecenes = T-2, HT-2, Diacetoxyscirpenol (DAS), Neosolaniol
 ***Penicillium Mycotoxins = Patulin, Penicillic acid, Roquefortine C, Mycophenolic acid, Wortmannin
 ****Aspergillus Mycotoxins = Gliotoxin, Sterigmatocystin, Verruculogen



Sample ID: INTI-11
Species: Dog

Sample Description: Purina Beneful Original Dog Food Dry.

Sample Comments: Contains multiple mycotoxins. Zearalenone is at caution and can impact reproduction causing irregular heats, pseudopregnancy, poor sexual development, and abortions. Type B Trichothecenes are at low risk but Fusaric Acid is present and can act synergistically to magnify the impact on food intake, growth, gut health, liver function and immune response. The REQ is at high risk due to the number (10) and the levels of

mycotoxins present.

Mycotoxin Risk Equivalent Quality = 32



Lab Results		Comparison		
Toxins	Amount, PPB	Low Risk	Medium Risk	High Risk
Aflatoxin (B1)	0	5	10	20
Aflatoxin (B1, B2, G1, G2)	0	5	10	20
Ochratoxins (A,B)	0	10	20	30
Type B Trichothecenes *	104.59	100	250	500
Type A Trichothecenes **	0	20	30	40
Fumonisin (B1, B2, B3)	353.73	500	1000	1500
Zearalenone Group	54.74	25	50	75
Fusaric Acid	216.21	1000	2000	3000
Penicillium Mycotoxins ***	28.21	40	70	100
Aspergillus Mycotoxins ****	7.26	40	60	80
Ergot Toxins	4.13	250	500	1000
Risk Equivalent Quality	32	5	10	20

* Type B Trichothecenes = Deoxynivalenol (DON), 15-acetyl DON, 3-acetyl DON, Fusarenon X, Nivalenol, DON-3-Glucoside **Type A Trichothecenes = T-2, HT-2, Diacetoxyscirpenol (DAS), Neosolaniol

***Penicillium Mycotoxins = Patulin, Penicillic acid, Roquefortine C, Mycophenolic acid, Wortmannin

****Aspergillus Mycotoxins = Gliotoxin, Sterigmatocystin, Verruculogen

Section 3 - Guaranteed Analysis Report

Pet foods are required to meet various nutritional requirements established by the American Association of Feed Control Officials (AAFCO). These nutritional requirements are enforced by FDA and State Department of Agriculture inspectors.

Most required nutrients have an established minimum, but few have an established maximum. This lack of maximum nutrient level requirement allows pet food to include a dramatic range of nutrient levels all making the 'complete and balanced' claim.

A brief amount of mineral toxicity background information is provided to assist consumers (following this page). Any results found to exceed scientific recommendations or exceed pet food regulations is noted on each testing result page.

Guaranteed Analysis Report

Mineral content background information: The following information is taken from research compiled in the **National Research Council (NRC) 2005 publication “Mineral Tolerances of Animals”** and the **2014 AAFCO Official Publication** (pet food regulations). Only minerals that have toxicity concerns are mentioned.

Calcium

NRC Mineral Tolerances of Animals:

“A summary of trials performed by a commercial pet food manufacturer demonstrated that puppies across a variety of breeds exhibited no skeletal problems when fed up to 2.0 percent calcium on a DM basis—even if diet phosphorus was not increased. When diet calcium exceeded 2.3 percent, feed intake and growth were depressed in many breeds (Laflamme, 2000).”

*“For most breeds of dogs, the maximum tolerable dietary calcium concentration is 2%. **Most breeds of dogs will suffer a reduction in feed intake and growth if diet calcium exceeds 2.3%.**”*

*“In cats, 1% calcium diets are tolerated, **2.3% calcium diets reduce growth rate and depressed feed intake and also cause a negative magnesium balance.**”*

AAFCO regulation:

Cats - minimum requirement adult cat food 0.6% calcium based on Dry Matter, no maximum established. No calcium to phosphorus ratio requirement established for cat foods.

Dogs - minimum requirement adult dog food 0.6% calcium, **2.5% maximum based on Dry Matter. Ratio of calcium to phosphorus minimum is 1 to 1, maximum is 2 to 1 based on Dry Matter.**

Phosphorus

NRC Mineral Tolerances of Animals:

NRC has not established any toxicity level for cats or dogs.

AAFCO regulation:

Cats - minimum requirement adult cat food 0.5% phosphorus based on Dry Matter, no maximum established.

Dogs - minimum requirement adult dog food 0.5% phosphorus, **1.6% maximum based on Dry Matter.**

Guaranteed Analysis Report

Magnesium

NRC Mineral Tolerances of Animals:

“Dogs and cats can commonly consume diets that are up to 0.2 percent magnesium—well above their requirement.”

AAFCO regulation:

Cats - minimum requirement adult cat food 0.04% magnesium based on Dry Matter, no maximum established.

Dogs - minimum requirement adult dog food 0.04%, **0.3% maximum based on Dry Matter.**

Sulphur

NRC Mineral Tolerances of Animals:

“Rendered meat meal is about 0.51 percent sulfur and fish meal can be as high as 1.16 percent sulfur (NRC, 2001).”

“The use of sulfites to preserve meat meant for pet food is not without problems (and is not permitted by many countries). The addition of sulfur dioxide to meat can rapidly inactivate thiamine within the rest of the diet. A cat with allergic dermatitis was fed a diet of fresh meat preserved with sulfites and a multivitamin supplement for 38 days to exclude food allergy as a cause of its dermatopathy. The cat died as a result of acute thiamine deficiency (Steel, 1997). Dogs and cats consuming meat preserved with sodium metabisulfite containing from 400 to 1,480 mg sulfur dioxide/kg developed ataxia, depression, and in some cases convulsions over a period of several months (Studdert and Labuc, 1991). Although sulfur dioxide is highly regulated in meat meant for human consumption, some meat intended for pet foods is still preserved with it, usually by soaking it in a brine of sodium metabisulfite.”

*“Dogs and cats fed diets consisting primarily of meat will generally consume diets that are 0.5 percent sulfur with no ill effects. Dogs and cats fed diets composed of large amounts of fish may be receiving diets that are even higher in sulfur. For example, menhaden fish meal is 1.16 percent sulfur (NRC, 2001). No reported studies examined the effects of high dietary sulfur in these species. Therefore since cats and dogs typically consume diets that are 0.5 percent sulfur, **the maximum tolerable level of sulfur in the diet of these species will be set at 0.6 percent.**”*

AAFCO regulation:

AAFCO has no maximum or minimum established for sulphur in cat or dog food.



Sample ID: INTI-01

Company: Mars Pet Care

Product: Royal Canin Veterinary Diet Renal LP Modified in Gravy Canned Cat Food

	AAFCO minimum	Label	Lab results	Label	Lab results
	Dry Matter Basis	Dry Matter Basis	Dry Matter Basis	As Is (as fed)	As Is (as fed)
Crude Protein %	26		36.22	5*	7.73
Crude Fat %	9		37.77	6.5*	8.06
Crude Fiber %			6.61	1.5**	1.41
Moisture %			78.66	80	
Dry Matter %			21.34	20	
Starch %			18.74		4
Ash %			5.76		1.23
Minerals					
Calcium %	0.6		1.45		0.31
Phosphorus %	0.5		0.52		0.11
Magnesium %	0.04		0.09		0.02
Sodium %	0.2		0.31		0.07
Potassium %	0.6		1.12		0.24
Sulphur %			0.75		0.16
Chloride %	0.3		0.52		0.11
Iron ppm	80		422		90
Copper ppm	5		14		3
Zinc ppm	75		300		64
Manganese ppm	7.5		37		8
Molybdenum ppm			0.28		0.06

Bold font indicates results above suggested maximum as established by the National Research Council

* indicates stated as minimum

** indicates stated as maximum

Notes:

- The results of our testing shows this cat food exceeds the NRC suggested maximum level of sulphur (0.6%). AAFCO has no established maximum or minimum for sulphur.



Sample ID: INTI-02
Company: Purina Pet Food
Product: Fancy Feast Grilled Chicken Variety Pack Purina Canned Cat Food

	AAFCO minimum	Label	Lab results	Label	Lab results
	Dry Matter Basis	Dry Matter Basis	Dry Matter Basis	As Is (as fed)	As Is (as fed)
Crude Protein %	26		64.98	11*	16.57
Crude Fat %	9		14.94	2*	3.81
Crude Fiber %			0.71	1.5**	0.18
Moisture %			74.5	80	
Dry Matter %			25.5	20	
Starch %			7.61		1.94
Ash %			9.25	2.7	2.36
Minerals					
Calcium %	0.6		3.14		0.8
Phosphorus %	0.5		1.84		0.47
Magnesium %	0.04		0.2		0.05
Sodium %	0.2		1.56		0.4
Potassium %	0.6		1.02		0.26
Sulphur %			1.14		0.29
Chloride %	0.3		1.29		0.33
Iron ppm	80		502		128
Copper ppm	5		35		9
Zinc ppm	75		322		82
Manganese ppm	7.5		47		12
Molybdenum ppm			0.67		0.17

Bold font indicates results above suggested maximum as established by the National Research Council

* indicates stated as minimum

** indicates stated as maximum

Notes:

- The results of our testing shows this cat food exceeds the NRC suggested maximum level of calcium (2.3% Dry Matter). NRC states cat foods above 2.3% Dry Matter calcium can *"reduce growth rate and depressed feed intake and also cause a negative magnesium balance."* AAFCO has no established maximum for calcium (cats).
- The results of our testing shows this cat food exceeds the NRC suggested maximum level of sulphur (0.6%). AAFCO has no established maximum or minimum for sulphur.



Sample ID: INTI-03
Company: Hill's Pet Food
Product: Science Diet Adult Hairball Control Canned Cat Food

	AAFCO minimum	Label	Lab results	Label	Lab results
	Dry Matter Basis	Dry Matter Basis	Dry Matter Basis	As Is (as fed)	As Is (as fed)
Crude Protein %	26		41.38	7.5*	9.96
Crude Fat %	9		23.31	4*	5.61
Crude Fiber %			10.39	3.7**	2.5
Moisture %			75.93	78	
Dry Matter %			24.07	22	
Starch %			10.47		2.52
Ash %			9.1	2	2.19
Minerals					
Calcium %	0.6		2.04	0.15	0.49
Phosphorus %	0.5		1.16	0.1	0.28
Magnesium %	0.04		0.17	0.02	0.04
Sodium %	0.2		0.67		0.16
Potassium %	0.6		1.12		0.27
Sulphur %			1.16		0.28
Chloride %	0.3		1.04		0.25
Iron ppm	80		449		108
Copper ppm	5		17		4
Zinc ppm	75		324		78
Manganese ppm	7.5		29		7
Molybdenum ppm			0.58		0.14

Bold font indicates results above suggested maximum as established by the National Research Council

* indicates stated as minimum

** indicates stated as maximum

Notes:

- The results of our testing shows this cat food exceeds the NRC suggested maximum level of sulphur (0.6%). AAFCO has no established maximum or minimum for sulphur.



Sample ID: INTI-04

Company: Big Heart Brands (formerly Del Monte Foods)

Product: Meow Mix Tender Centers Salmon & Turkey Flavors Dry Cat Food

	AAFCO minimum	Label	Lab results	Label	Lab results
	Dry Matter Basis	Dry Matter Basis	Dry Matter Basis	As Is (as fed)	As Is (as fed)
Crude Protein %	26		36.43	31*	33.74
Crude Fat %	9		14.96	11*	13.85
Crude Fiber %			2.04		1.89
Moisture %			7.39	12**	
Dry Matter %			92.61	88	
Starch %			28.14		26.06
Ash %			7.76		7.19
Minerals					
Calcium %	0.6		1.43	1.1	1.32
Phosphorus %	0.5		1.18	0.9	1.09
Magnesium %	0.04		0.13		0.12
Sodium %	0.2		0.49		0.46
Potassium %	0.6		0.87		0.81
Sulphur %			0.49		0.45
Chloride %	0.3		0.48		0.44
Iron ppm	80		235		218
Copper ppm	5		21		19
Zinc ppm	75		136		126
Manganese ppm	7.5		54		50
Molybdenum ppm			1.06		0.98

* indicates stated as minimum

** indicates stated as maximum



Sample ID: INTI-05
Company: Purina Pet Foods
Product: Friskies Grillers Dry Cat Food

	AAFCO minimum	Label	Lab results		Label	Lab results
	Dry Matter Basis	Dry Matter Basis	Dry Matter Basis		As Is (as fed)	As Is (as fed)
Crude Protein %	26		34.61		30*	32.09
Crude Fat %	9		14.41		11*	13.36
Crude Fiber %			1.89		4.5**	1.75
Moisture %			7.27		12	
Dry Matter %			92.73		88	
Starch %			30.83			28.59
Ash %			7.58			7.03
Minerals						
Calcium %	0.6		1.52			1.41
Phosphorus %	0.5		1.27			1.18
Magnesium %	0.04		0.13			0.12
Sodium %	0.2		0.64			0.6
Potassium %	0.6		0.74			0.69
Sulphur %			0.5			0.46
Chloride %	0.3		0.57			0.53
Iron ppm	80		304			282
Copper ppm	5		26			24
Zinc ppm	75		315		125	292
Manganese ppm	7.5		102			95
Molybdenum ppm			0.82			0.76

* indicates stated as minimum

** indicates stated as maximum



Sample ID: INTI-06
Company: WellPet Pet Foods
Product: Wellness Complete Health Deboned Chicken, Chicken Meal & Rice Adult Dry Cat Food

	AAFCO minimum	Label	Lab results	Label	Lab results
	Dry Matter Basis	Dry Matter Basis	Dry Matter Basis	As Is (as fed)	As Is (as fed)
Crude Protein %	26		44.72	36*	41.86
Crude Fat %	9		19.34	17*	18.1
Crude Fiber %			1.53	3**	1.43
Moisture %			6.39	11	
Dry Matter %			93.61	89	
Starch %			27.06		25.33
Ash %			6.9	6.5	6.46
Minerals					
Calcium %	0.6		1.58		1.48
Phosphorus %	0.5		1.16		1.09
Magnesium %	0.04		0.11	0.12	0.1
Sodium %	0.2		0.37		0.35
Potassium %	0.6		0.75		0.7
Sulphur %			0.59		0.55
Chloride %	0.3		0.46		0.43
Iron ppm	80		287		269
Copper ppm	5		28		26
Zinc ppm	75		251		235
Manganese ppm	7.5		31		29
Molybdenum ppm			0.59		0.55

* indicates stated as minimum

** indicates stated as maximum

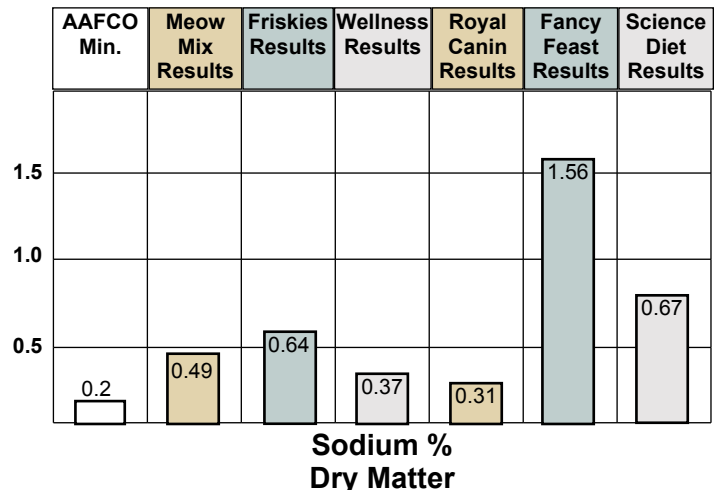
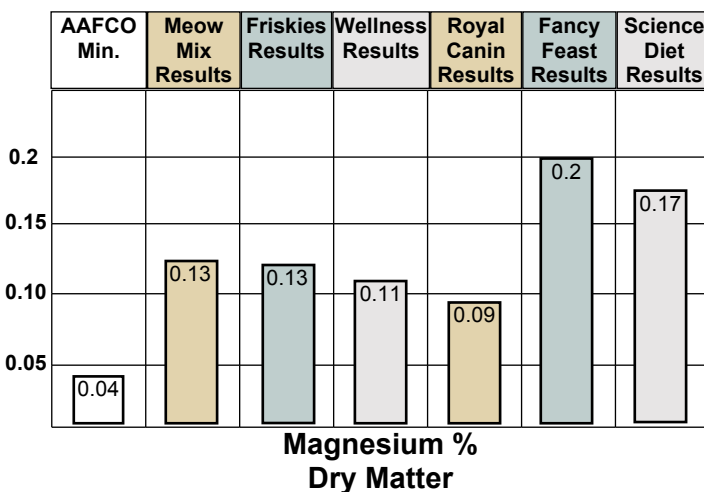
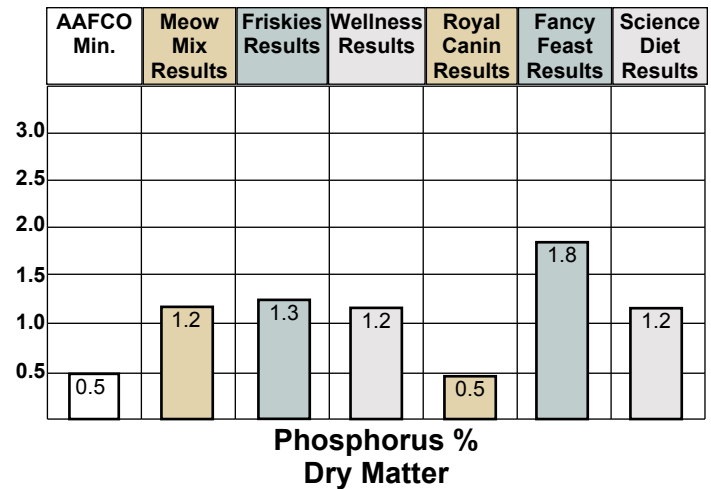
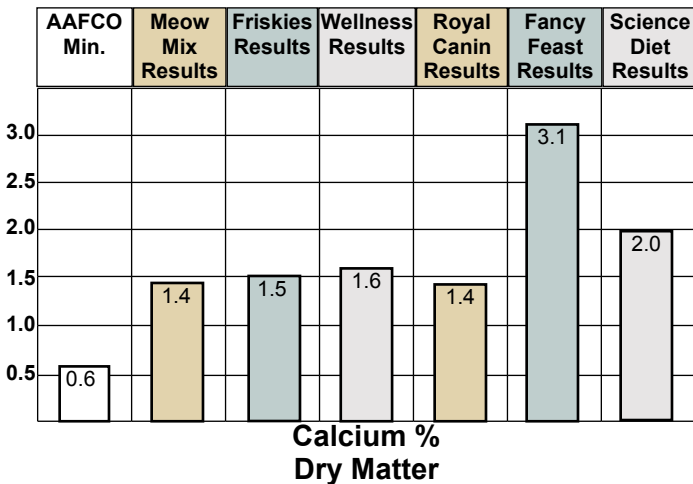
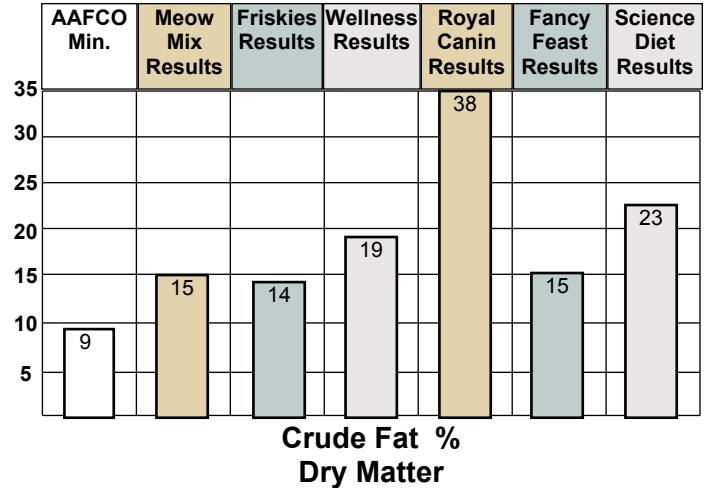
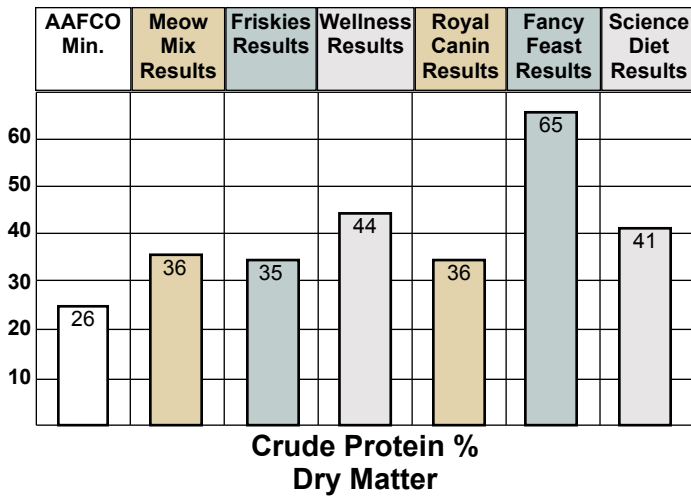
Guaranteed Analysis Comparison Dry Matter Basis 6 Cat Foods

	AAFCO Minimum	Meow Mix Results	Friskies Results	Wellness Results	Royal Canin Results	Fancy Feast Results	Science Diet Results
	Dry Matter Basis	Dry Matter Basis	Dry Matter Basis	Dry Matter Basis	Dry Matter Basis	Dry Matter Basis	Dry Matter Basis
Crude Protein %	26	36.43	34.61	44.72	36.22	64.98	41.38
Crude Fat %	9	14.96	14.41	19.34	37.77	14.94	23.31
Crude Fiber %		2.04	1.89	1.53	6.61	0.71	10.39
Moisture %		7.39	7.27	6.39	78.66	74.5	75.93
Dry Matter %		92.61	92.73	93.61	21.34	25.5	24.07
Starch %		28.14	30.83	27.06	18.74	7.61	10.47
Ash %		7.76	7.58	6.9	5.76	9.25	9.1
Minerals							
Calcium %	0.6	1.43	1.52	1.58	1.45	3.14	2.04
Phosphorus %	0.5	1.18	1.27	1.16	0.52	1.84	1.16
Magnesium %	0.04	0.13	0.13	0.11	0.09	0.2	0.17
Sodium %	0.2	0.49	0.64	0.37	0.31	1.56	0.67
Potassium %	0.6	0.87	0.74	0.75	1.12	1.02	1.12
Sulphur %		0.49	0.5	0.59	0.75	1.14	1.16
Chloride %	0.3	0.48	0.57	0.46	0.52	1.29	1.04
Iron ppm	80	235	304	287	422	502	449
Copper ppm	5	21	26	28	14	35	17
Zinc ppm	75	136	315	251	300	322	324
Manganese ppm	7.5	54	102	31	37	47	29
Molybdenum ppm		1.06	0.82	0.59	0.28	0.67	0.58
DCAD mEq/100g		-0.53	-0.5	-14.52	-19.33	-14.04	-43.95

Red text indicates exceeds NRC suggested maximum or AAFCO established regulatory maximum.

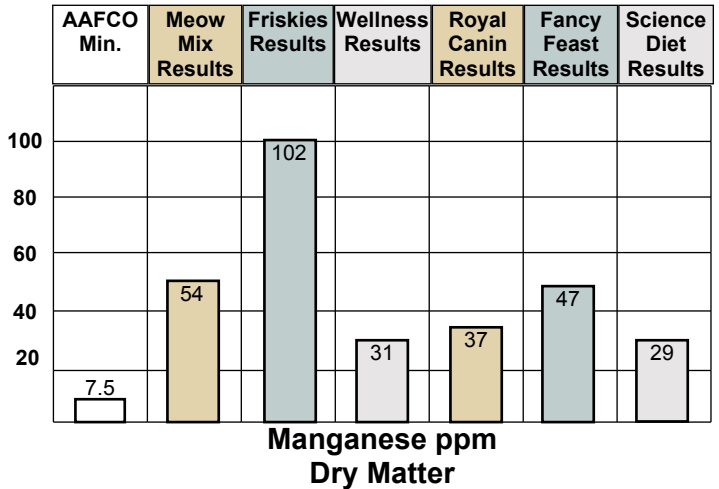
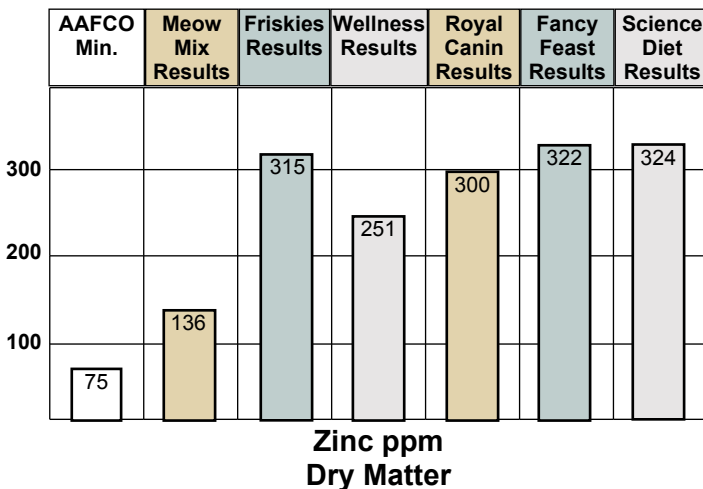
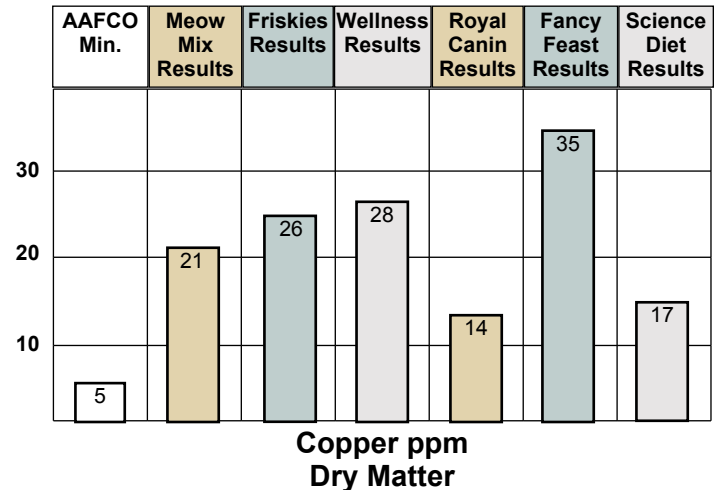
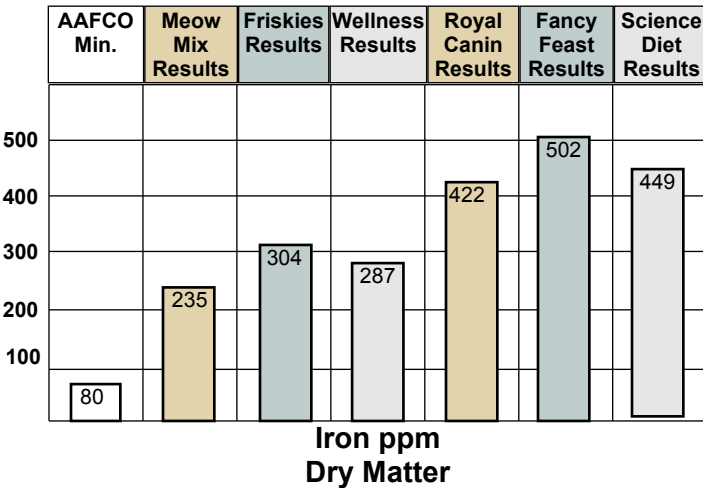
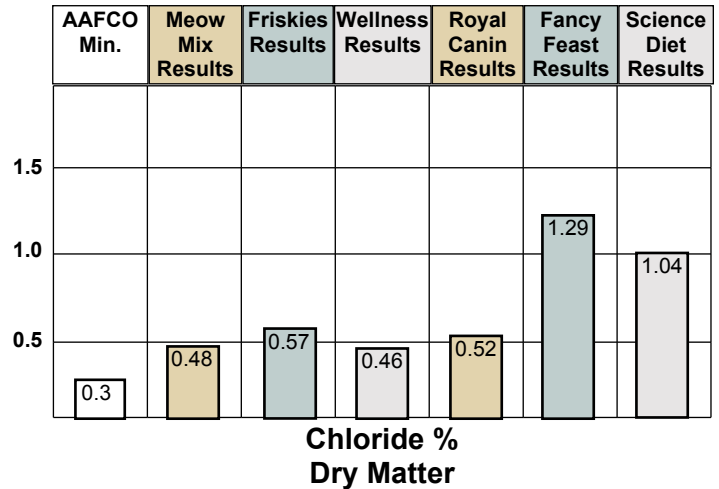
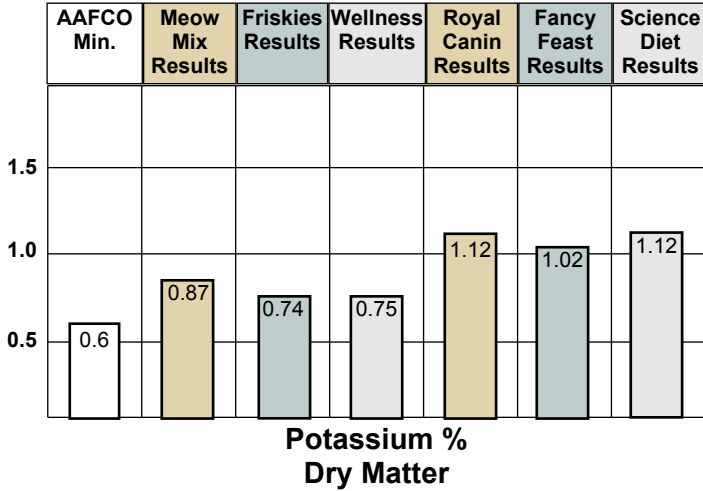
Nutrient Comparison Dry Matter Basis 6 Cat Foods

Note: The follow page is duplicate nutrient comparison (of page 23). It is provided in bar graphs to provide consumers with a visual comparison of nutrients provided in pet foods tested.



Nutrient Comparison Dry Matter Basis 6 Cat Foods

Note: The follow page is duplicate nutrient comparison (of page 23). It is provided in bar graphs to provide consumers with a visual comparison of nutrients provided in pet foods tested.





Sample ID: INTI-07
Company: Hill's Pet Food
Product: Hill's Prescription Diet C/D Urinary Tract Health Canned Dog Food

	AAFCO minimum	Label	Lab results	Label	Lab results
	Dry Matter Basis	Dry Matter Basis	Dry Matter Basis	As Is (as fed)	As Is (as fed)
Crude Protein %	18	23.6	22.6	5*	6.53
Crude Fat %	5	24	20.24	5*	5.85
Crude Fiber %		1.4	2.63	1**	0.76
Moisture %			78.1		
Dry Matter %			21.9		
Starch %		46.6	47.99		13.87
Ash %			4.67		1.35
Minerals					
Calcium %	0.6	0.68	7.72	0.1	2.23
Phosphorus %	0.5	0.5	4.12	0.1	1.19
Magnesium %	0.04	0.08	0.31		0.09
Sodium %	0.06	0.27	0.75		0.22
Potassium %	0.6	0.62	1.63		0.47
Sulphur %			1.14		0.33
Chloride %	0.09		0.97		0.28
Iron ppm	80		893		258
Copper ppm	7.3		17		5
Zinc ppm	120		519		150
Manganese ppm	5		111		32
Molybdenum ppm			0.62		0.18

Bold font indicates results above suggested maximum as established by the National Research Council

Red font indicates results above AAFCO maximum

Bold red font indicates results above suggested maximum as established by NRC and AAFCO

* indicates stated as minimum

** indicates stated as maximum

Notes:

- The results of our pet food testing shows this dog food exceeds NRC suggested maximum tolerable level of calcium (2%) and shows this dog food exceeds AAFCO regulation of calcium maximum (2.5%). NRC states when calcium "exceeds 2.3% food intake and growth were depressed".
- The results of our pet food testing shows this dog food exceeds AAFCO regulation of phosphorus maximum (1.6%).
- The results of our pet food testing shows this dog food exceeds NRC suggested maximum tolerable level of magnesium (0.2%).
- The results of our pet food testing shows this dog food exceeds the NRC recommended maximum of sulphur (0.6%). AAFCO has no established maximum or minimum for sulphur.



Sample ID: INTI-08
Company: FreshPet Pet Foods
Product: Vital Chicken Beef, Salmon Egg Recipe Grain Free Moist Dog Food

	AAFCO minimum	Label	Lab results	Label	Lab
	Dry Matter Basis	Dry Matter Basis	Dry Matter Basis	As Is (as fed)	As Is (as fed)
Crude Protein %	18		47.27	10*	12.73
Crude Fat %	5		34.57	9*	9.31
Crude Fiber %			1.75	0.5**	0.47
Moisture %			73.07	76	
Dry Matter %			26.93	24	
Starch %			0.07		0.02
Ash %			12.63		3.4
Minerals					
Calcium %	0.6		3.23		0.87
Phosphorus %	0.5		2.27		0.61
Magnesium %	0.04		0.22		0.06
Sodium %	0.06		2.58		0.69
Potassium %	0.6		2.75		0.74
Sulphur %			1.45		0.39
Chloride %	0.09		0.56		0.15
Iron ppm	80		1500		400
Copper ppm	7.3		26		7
Zinc ppm	120		416		112
Manganese ppm	5		67		18
Molybdenum ppm			0.01		0

Bold font indicates results above suggested maximum as established by the National Research Council

Red font indicates results above AAFCO maximum

Bold red font indicates results above suggested maximum as established by NRC and AAFCO

* indicates stated as minimum

** indicates stated as maximum

Notes:

- The results of our pet food testing shows this dog food exceeds NRC suggested maximum tolerable level of calcium (2%) and shows this dog food exceeds AAFCO regulation of calcium maximum (2.5%). NRC states when calcium "exceeds 2.3% food intake and growth were depressed".
- The results show this dog food exceeds AAFCO regulation of phosphorus maximum (1.6%).
- The results of our testing shows this dog food exceeds the NRC recommended maximum of sulphur (0.6%). AAFCO has no established maximum or minimum for sulphur.



Sample ID: INTI-09

Company: Mars Pet Care

Product: Cesar Canine Cuisine Top Sirloin Beef and Chicken Canned Dog Food

	AAFCO minimum	Label	Lab results	Label	Lab
	Dry Matter Basis	Dry Matter Basis	Dry Matter Basis	As Is (as fed)	As Is (as fed)
Crude Protein %	18		49.51	8*	9.05
Crude Fat %	5		32.71	3.5*	5.98
Crude Fiber %			2.84	1**	0.52
Moisture %			81.72	82	
Dry Matter %			18.28	18	
Starch %			0.33		0.06
Ash %			14.5		2.65
Minerals					
Calcium %	0.6		3.17		0.58
Phosphorus %	0.5		1.48		0.27
Magnesium %	0.04		0.27		0.05
Sodium %	0.06		1.39		0.25
Potassium %	0.6		1.59		0.29
Sulphur %			0.82		0.15
Chloride %	0.09		3.94		0.72
Iron ppm	80		410		75
Copper ppm	7.3		22		4
Zinc ppm	120		252		46
Manganese ppm	5		27		5
Molybdenum ppm			0.11		0.02

Bold font indicates results above suggested maximum as established by the National Research Council

* indicates stated as minimum

Bold red font indicates results above suggested maximum as established by NRC and AAFCO

** indicates stated as maximum

Notes:

- The results of our pet food testing show this dog food exceeds NRC suggested maximum tolerable level of calcium (2%) and show this dog food exceeds AAFCO regulation of calcium maximum (2.5%). NRC states when calcium "exceeds 2.3% food intake and growth were depressed".
- The results of our pet food testing show this dog food exceeds the maximum ratio of calcium to phosphorus (maximum is 2 to 1). See page 37 for calcium to phosphorus ratio comparison.
- The results of our testing shows this dog food exceeds the NRC recommended maximum of sulphur (0.6%). AAFCO has no established maximum or minimum for sulphur.



Sample ID: INTI-10
Company: Blue Buffalo Pet Foods
Product: Freedom Grain-Free Natural Chicken Recipe Dry Dog Food

	AAFCO minimum	Label	Lab results		Label	Lab results
	Dry Matter Basis	Dry Matter Basis	Dry Matter Basis		As Is (as fed)	As Is (as fed)
Crude Protein %	18		32.3		24*	29.98
Crude Fat %	5		17.71		14*	16.44
Crude Fiber %			7.09		7**	6.58
Moisture %			7.18		10	
Dry Matter %			92.82		90	
Starch %			26.69			24.77
Ash %			8.92			8.28
Minerals						
Calcium %	0.6		1.94		1	1.8
Phosphorus %	0.5		1.2		0.9	1.11
Magnesium %	0.04		0.14			0.13
Sodium %	0.06		0.44			0.41
Potassium %	0.6		0.92			0.85
Sulphur %			0.41			0.38
Chloride %	0.09		0.6			0.56
Iron ppm	80		346			321
Copper ppm	7.3		14			13
Zinc ppm	120		181			168
Manganese ppm	5		29			27
Molybdenum ppm			0.83			0.77

* indicates stated as minimum

** indicates stated as maximum



Sample ID: INTI-11
Company: Purina Pet Foods
Product: Beneful Brand Original w/ Real Beef Dry Dog Food

	AAFCO minimum	Label	Lab results	Label	Lab results
	Dry Matter Basis	Dry Matter Basis	Dry Matter Basis	As Is (as fed)	As Is (as fed)
Crude Protein %	18		27.82	23*	25.21
Crude Fat %	5		13.8	10*	12.51
Crude Fiber %			2.14	4**	1.94
Moisture %			9.37	14	
Dry Matter %			90.63	86	
Starch %			39.83		36.1
Ash %			6.75		6.12
Minerals					
Calcium %	0.6		1.21	1.1	1.1
Phosphorus %	0.5		1.04	0.9	0.94
Magnesium %	0.04		0.1		0.09
Sodium %	0.06		0.43		0.39
Potassium %	0.6		0.65		0.59
Sulphur %			0.36		0.33
Chloride %	0.09		0.76		0.69
Iron ppm	80		333		302
Copper ppm	7.3		14		13
Zinc ppm	120		242		219
Manganese ppm	5		78		71
Molybdenum ppm			0.6		0.54

* indicates stated as minimum

** indicates stated as maximum



Sample ID: INTI-12
Company: Walmart
Product: Ol Roy Soft & Moist Beef Semi-Moist Dog Food

	AAFCO minimum	Label	Lab results		Label	Lab results
	Dry Matter Basis	Dry Matter Basis	Dry Matter Basis		As Is (as fed)	As Is (as fed)
Crude Protein %	18		25.24		18*	22.42
Crude Fat %	5		5.59		7*	4.97
Crude Fiber %			2.45		3**	2.18
Moisture %			11.17		33	
Dry Matter %			88.83		67	
Starch %			13.36			11.87
Ash %			5.5			4.89
Minerals						
Calcium %	0.6		1.01		0.6	0.9
Phosphorus %	0.5		0.72			0.64
Magnesium %	0.04		0.12			0.11
Sodium %	0.06		0.62			0.55
Potassium %	0.6		0.97			0.86
Sulphur %			0.26			0.23
Chloride %	0.09		0.84			0.75
Iron ppm	80		224			199
Copper ppm	7.3		14			12
Zinc ppm	120		190			169
Manganese ppm	5		80			71
Molybdenum ppm			2.6			2.31

* indicates stated as minimum

** indicates stated as maximum

Notes:

- The results of our pet food testing show this dog food does not meet the required AAFCO minimum of calcium to phosphorus ratio (1 to 1). See page 37 for calcium to phosphorus ratio comparison.

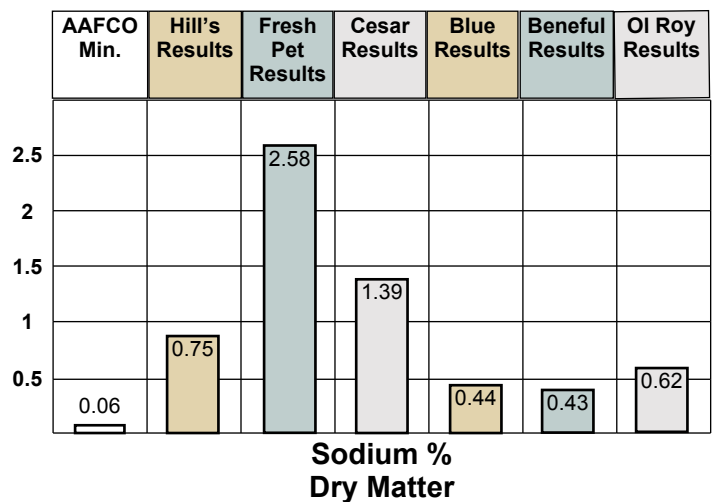
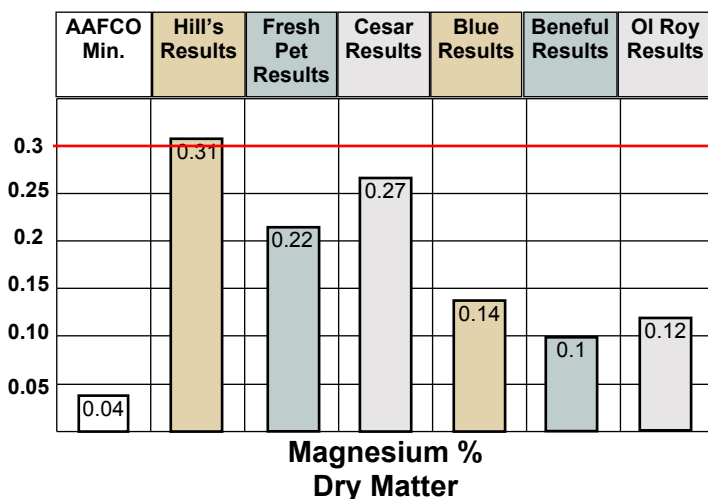
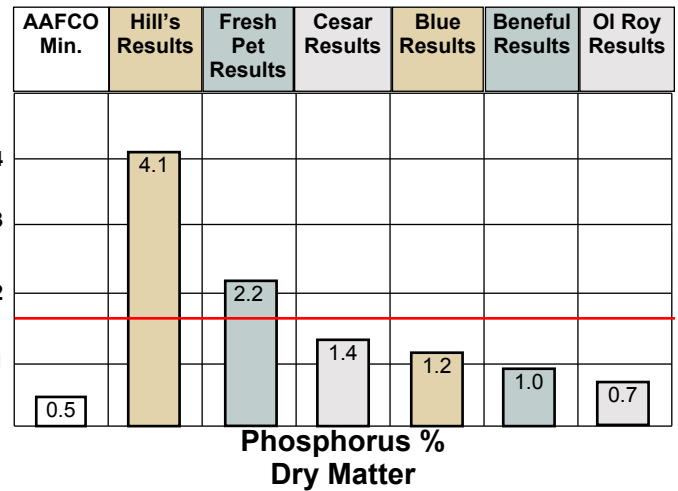
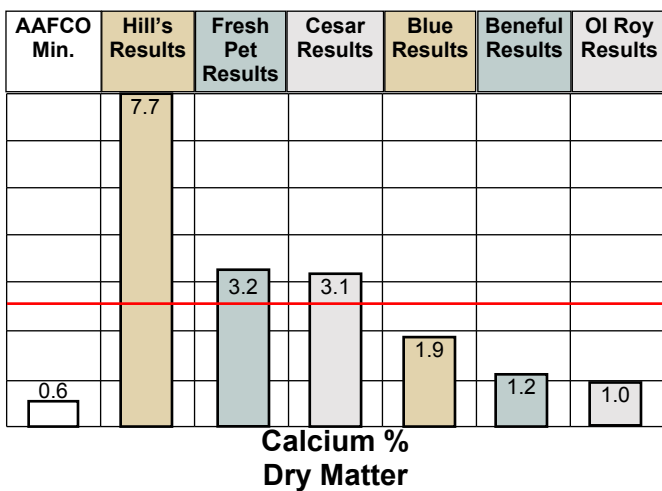
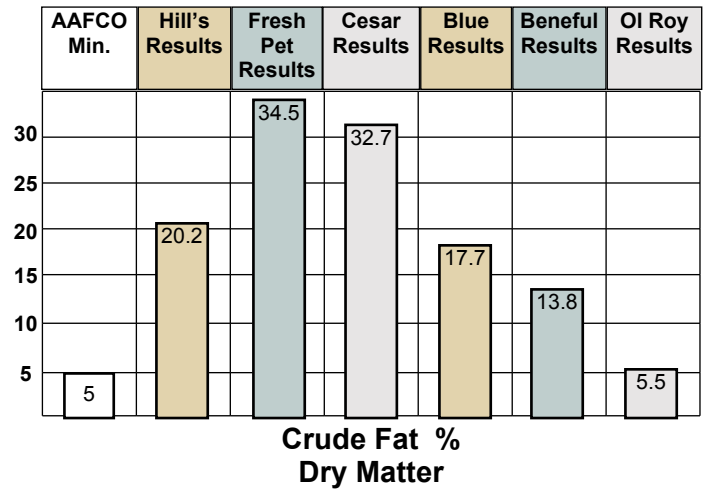
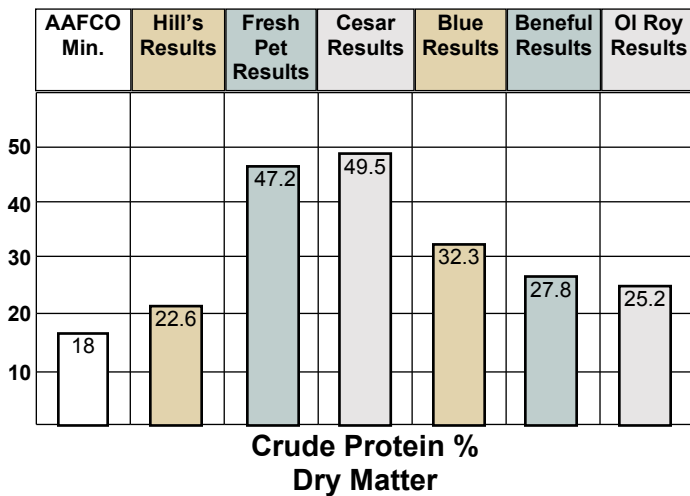
Guaranteed Analysis Comparison Dry Matter Basis 6 Dog Foods

	AAFCO Minimum	Hill's Results	FreshPet Results	Cesar Results	Blue Results	Beneful Results	Oi Roy Results
	Dry Matter Basis	Dry Matter Basis	Dry Matter Basis	Dry Matter Basis	Dry Matter Basis	Dry Matter Basis	Dry Matter Basis
Crude Protein %	18	22.6	47.27	49.51	32.3	27.82	25.24
Crude Fat %	5	20.24	34.57	32.71	17.71	13.8	5.59
Crude Fiber %		2.63	1.75	2.84	7.09	2.14	2.45
Moisture %		78.1	73.07	81.72	7.18	9.37	11.17
Dry Matter %		21.9	26.93	18.28	92.82	90.63	88.83
Starch %		47.99	0.07	0.33	26.69	39.83	13.36
Ash %		4.67	12.63	14.5	8.92	6.75	5.5
Minerals							
Calcium %	0.6	7.72	3.23	3.17	1.94	1.21	1.01
Phosphorus %	0.5	4.12	2.27	1.48	1.2	1.04	0.72
Magnesium %	0.04	0.31	0.22	0.27	0.14	0.1	0.12
Sodium %	0.06	0.75	2.58	1.39	0.44	0.43	0.62
Potassium %	0.6	1.63	2.75	1.59	0.92	0.65	0.97
Sulphur %		1.14	1.45	0.82	0.41	0.36	0.26
Chloride %	0.09	0.97	0.56	3.94	0.6	0.76	0.84
Iron ppm	80	893	1500	410	346	333	224
Copper ppm	7.3	17	26	22	14	14	14
Zinc ppm	120	519	416	252	181	242	190
Manganese ppm	5	111	67	27	29	78	80
Molybdenum ppm		0.62	0.01	0.11	0.83	0.6	2.6
DCAD mEq/100g		-24.17	75.86	-61.03			

Red text indicates exceeds NRC suggested maximum or AAFCO established regulatory maximum.

Nutrient Comparison Dry Matter Basis 6 Dog Foods

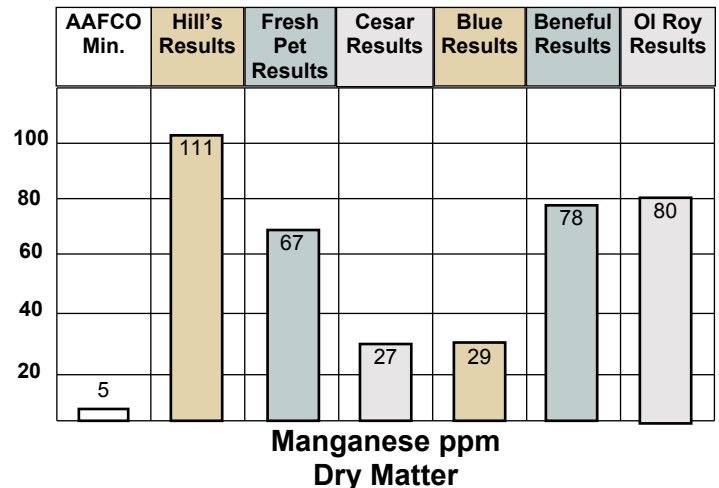
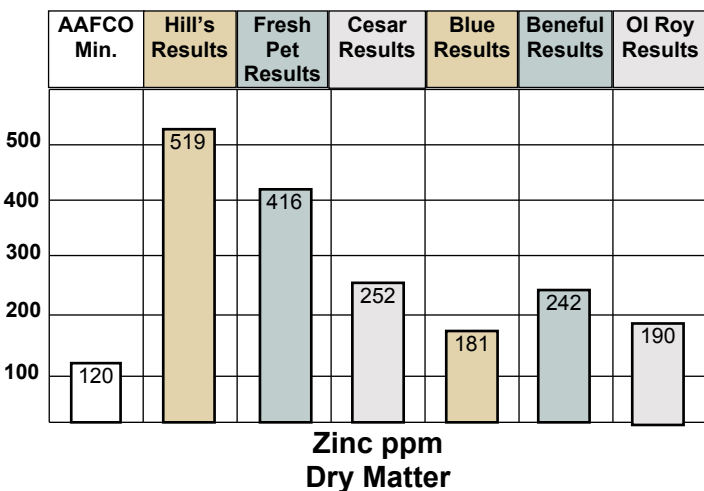
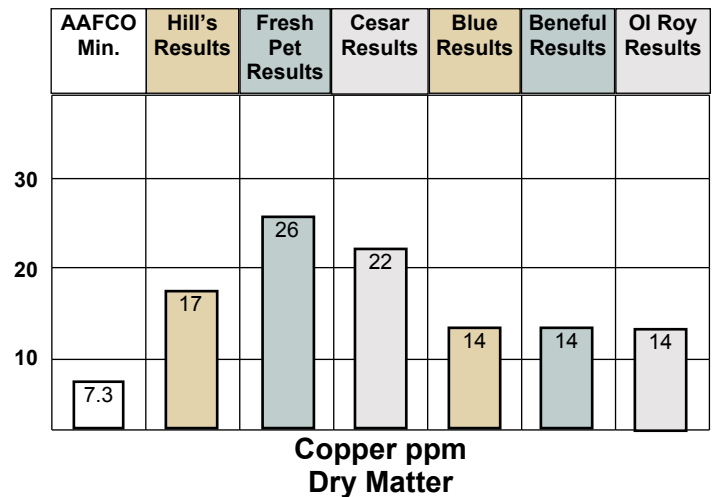
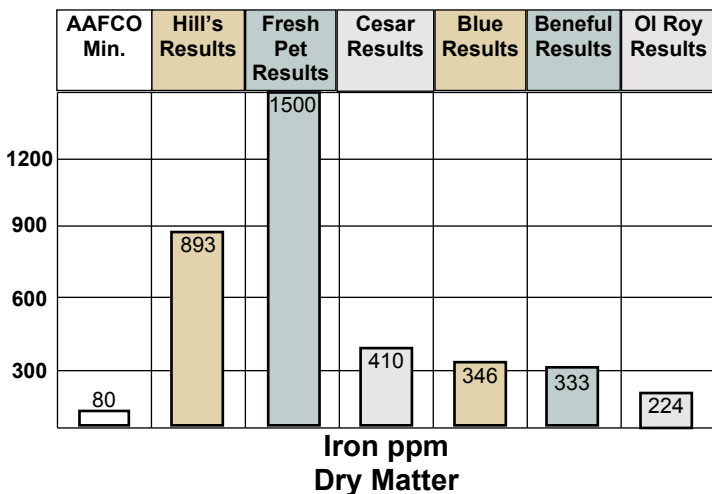
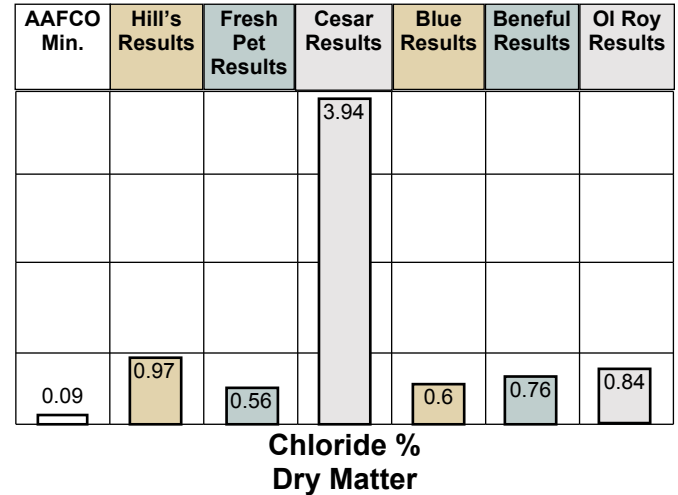
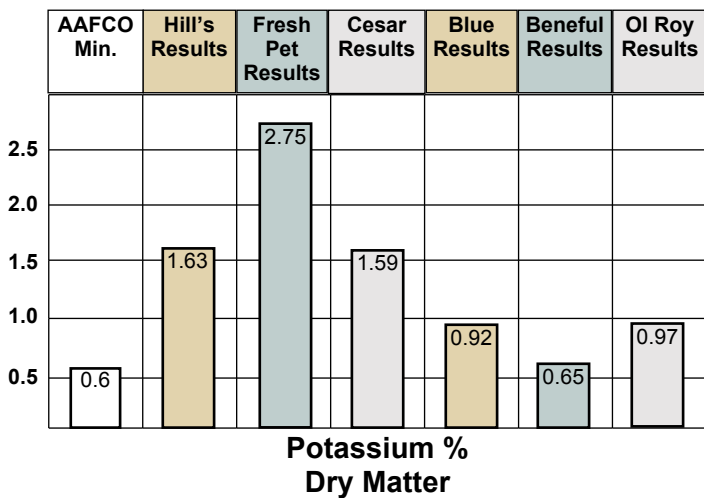
Note: The follow page is duplicate nutrient comparison (of page 34). It is provided in bar graphs to provide consumers with a visual comparison of nutrients provided in pet foods tested.



* Red line indicates maximum per regulation.

Nutrient Comparison Dry Matter Basis 6 Dog Foods

Note: The follow page is duplicate nutrient comparison (of page 34). It is provided in bar graphs to provide consumers with a visual comparison of nutrients provided in pet foods tested.



Per AAFCO 2014 Official Publication (pet food regulations): Calcium/Phosphorus Dog Foods

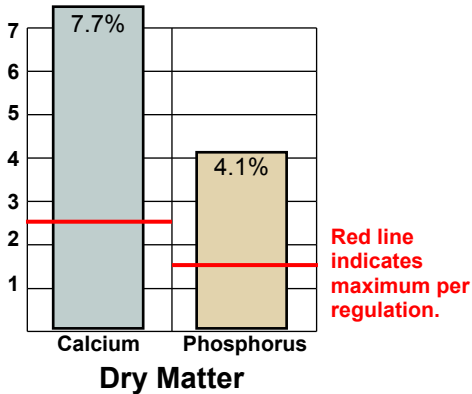
“The optimum calcium to phosphorus ratio is generally considered to be between 1.2 to 1 and 1.4 to 1.” Regulation minimum for calcium to phosphorus ratio is “1 to 1”, maximum ratio is “2 to 1”.

“A **maximum level of 2.5% DM calcium**, two and one-half times the minimum level for growth, was regarded as a safe upper limit that would still allow a formulator to incorporate 25% meat and bone meal (at 9% Ca) into a ration. The **maximum level for phosphorus** was set at twice the growth minimum, or **1.6% DM.**” Page 152 - 2014 AAFCO Official Publication.

Hill's Prescription Diet C/D Urinary Tract Health Canned Dog Food

The calcium and phosphorus content in this pet food **exceeds AAFCO maximum.**

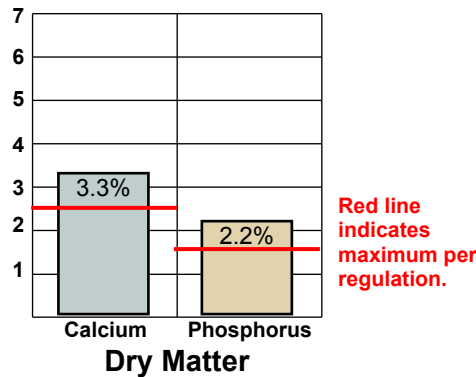
Calcium to phosphorus ratio for this pet food is 1.87 to 1.



Freshpet Vital Chicken Beef, Salmon Egg Recipe Grain Free Moist Dog Food

The calcium and phosphorus content in this pet food **exceeds AAFCO maximum.**

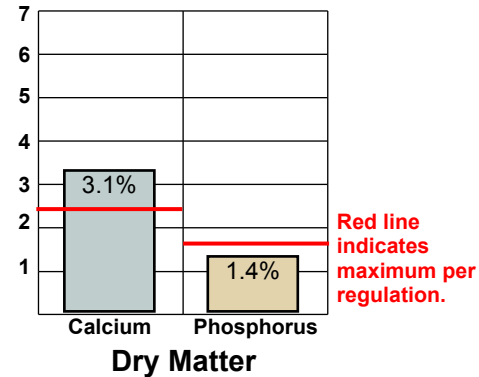
Calcium to phosphorus ratio for this pet food is 1.5 to 1.



Cesar Canine Cuisine Top Sirloin Beef and Chicken Canned Dog Food

The calcium content in this pet food **exceeds AAFCO maximum.**

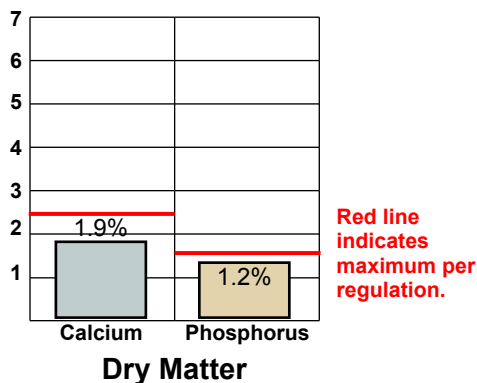
The calcium to phosphorus ratio for this pet food is 2.2 to 1 - **exceeding AAFCO maximum.**



Blue Buffalo Freedom Grain-Free Natural Chicken Recipe Dry Dog Food

The calcium and phosphorus content in this pet food is below AAFCO maximum.

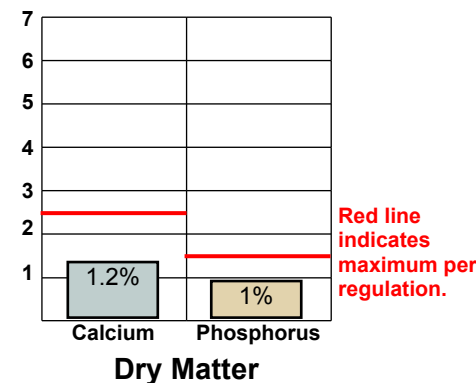
Calcium to phosphorus ratio for this pet food is 1.5 to 1.



Beneful Brand Original w/ Real Beef Dry Dog Food

The calcium and phosphorus content in this pet food is below AAFCO maximum.

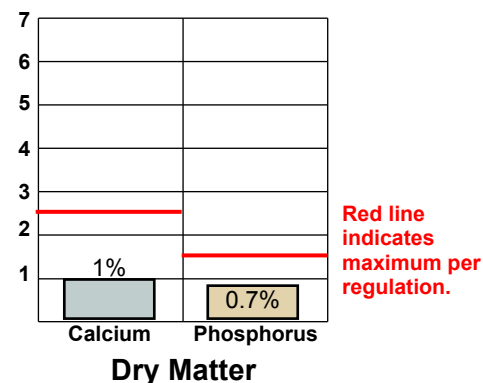
Calcium to phosphorus is within the suggested ratio - 1.2 to 1.



OI Roy Soft & Moist Beef Semi-Moist Dog Food

The calcium and phosphorus content in this pet food is below AAFCO maximum.

Calcium to phosphorus ratio is 1 to 0.7 - **below AAFCO minimum.**



Section 4 - Cyanuric Acid and Melamine Report

The 2007 pet food recall killed and sickened countless thousands of pets due to the combination of cyanuric acid and melamine being added to pet food ingredients.

All twelve pet foods were tested for cyanuric acid and melamine; our results found no measurable level of either contaminant.

Section 5 - Euthanizing Drug Report

In 2002 the FDA released the report "[Risk of Pentobarbital in Dog Food](#)". The FDA tested numerous dog foods and in many found the animal euthanizing drug pentobarbital.

The FDA allows pet foods to contain rendered (cooked) meat ingredients sourced from downer animals, diseased animals, and euthanized animals. Per federal law, all of these ingredients would be rejected as unsafe food. In direct opposition to federal food safety law (Food, Drug and Cosmetic Act), FDA implements "Compliance Policies" that allow this inferior quality of meat into pet food without consumer knowledge (no statement to quality on pet food labels).

The Pet Food Test analyzed twelve pet foods for euthanizing drugs; our results found no measurable amount of these contaminants in any pet food tested.

Section 6 - Bacteria Report

The [FDA's Bad Bug Book](#) defines bacteria as: *“made up of one cell. Most bacteria aren't harmful; some are helpful to humans and to the environment. But some can cause illness when they enter the human body, including harmful bacteria that enter with contaminated food or water. Some bacteria make a toxin that causes illness. Others cause symptoms not by making a toxin, but by causing a strong reaction by the immune system – the body's way of trying to kill bacteria, viruses, and other substances that don't belong in it.”*

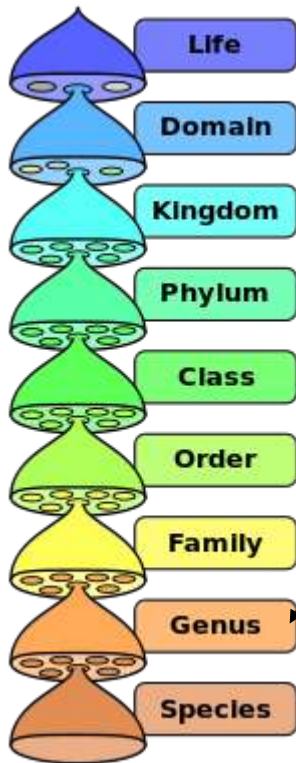
The Pet Food Test analyzed 12 pet foods for bacterial contamination. Test results found numerous bacteria in pet foods, some bacteria found in our testing are listed as serious human health concerns by the Food and Drug Administration (FDA) and Centers for Disease Control (CDC) being antibiotic resistant. Although the finding of these bacteria has been relatively unheard of before in pet food (or never tested for before), there is sufficient data to show a concerning risk to the consumer handling the pet food and to the pet consuming the food.

It must be noted, most of the bacteria found in our results are directly related to food not being properly stored under refrigeration. FDA continuously warns consumers to properly refrigerate (human) foods and (human) food must follow strict regulatory guidelines for warehousing and transportation of food. However raw pet food ingredients (considered 'feed' not food) are not required by FDA to be stored or transported under refrigeration.

In the following pages you will find a brief explanation of the two bacteria testing results (Phylum and Genus), bacteria of concern highlights, and the full test results.

Bacteria Results - Phylum and Genus.

The Bacteria Results of our testing are provided as Phylum and Genus. [Wikipedia](https://en.wikipedia.org/wiki/Taxonomy) offers the following diagram as explanation of the scientific 'filing' system for bacteria. Our testing did not determine the specific 'Species' of any bacteria found.



“The bacterial **phyla** are the major lineages (phyla or divisions) of the domain Bacteria.”

“In biology, a **genus** is a taxonomic rank used in the biological classification of living and fossil organisms.”

In other words - results of the Phylum category is a large/major division of bacteria classification, the Genus category is a more specific bacteria division.

Please note: Our testing budget did not allow for determination of species of any bacteria. Thus, all possible species within the Genus results must be considered when analyzing the results (pathogenic and/or non-pathogenic).

Bacteria found in pet food: **Acinetobacter**

In June 2014 the [FDA issued a regulation](#) "to establish a list of 'qualifying pathogens' that have the potential to pose a **serious threat to public health.**" These 'qualifying pathogens' pose such a risk to human health due to being antibiotic resistant bacteria. (FDA defines pathogen as: "a life form, such as a bacterium or protozoan, that can cause disease.")

The bacteria "**Acinetobacter**" is one of the FDA's "qualifying pathogens".

From the Centers for Disease Control (CDC) publication "[Antibiotic Resistance Threats in the United States, 2013](#)", the CDC provides the following statistics on this bacteria:

Multidrug-Resistant Acinetobacter

Threat Level Serious

"12,000 Acinetobacter Infections per year - 500 (Human) Deaths from multidrug-resistant infections."

"About 63% of Acinetobacter is considered multidrug-resistant, meaning at least three different classes of antibiotics no longer cure Acinetobacter infections."

Our testing found the bacteria Acinetobacter in the following pet foods:

	Cat Foods						Dog Foods					
	Can			Dry			Can			Dry		
	Royal Canin Results	Fancy Feast Results	Science Diet Results	Meow Mix Results	Friskies Results	Wellness Results	Hill's Results	FreshPet Results	Cesar Results	Blue Results	Beneful Results	O! Roy Results
Genus Acinetobacter	0	✓	✓	✓	✓	✓	✓	0	0	✓	✓	0

Note: Disease in cats and dogs linked to food bacterial contamination is not tracked by any authority as with humans/human food. With no scientific data available to the specific risk of "multi-drug resistant" Acinetobacter infection to pets, the known infection risk is to the consumer handling the pet food. However, because the pet food and subsequent bacteria is being ingested by cats and dogs - infection risk concerns remain for our pets.

Bacteria found in pet food: **Pseudomonas**

Also on the FDA's list of "qualifying pathogens" is the bacteria **Pseudomonas**. The FDA includes all species of **Pseudomonas** as 'qualifying pathogens'.

The CDC publication "[Antibiotic Resistance Threats in the United States, 2013](#)" provides the follow statistics on the species **Pseudomonas aeruginosa** (Note: our testing did not determine the species of Pseudomonas):

Multidrug-Resistant **Pseudomonas aeruginosa**

Threat Level Serious

"51,000 Pseudomonas Infections per year - 440 (Human) Deaths."

Our testing found the bacteria Pseudomonas (Genus) in the following pet foods:

	Cat Foods						Dog Foods					
	Can			Dry			Can			Dry		
	Royal Canin Results	Fancy Feast Results	Science Diet Results	Meow Mix Results	Friskies Results	Wellness Results	Hill's Results	FreshPet Results	Cesar Results	Blue Results	Beneful Results	OI Roy Results
Genus												
Pseudomonas	0	✓	✓	✓	✓	✓	✓	0	0	✓	✓	✓

Note: Disease in cats and dogs linked to food bacterial contamination is not tracked by any authority as with humans/human food. With no scientific data available to the specific risk of "multi-drug resistant" Pseudomonas infection to pets, the known infection risk is to the consumer handling the pet food. However, because the pet food and subsequent bacteria is being ingested by cats and dogs - infection risk concerns remain for our pets.

Bacteria found in pet food: **Streptococcus**

The following information is quoting [FDA's 'Bad Bug Book - Handbook of Foodborne Pathogenic Microorganisms and Natural Toxins'](#).

Streptococcus

FDA states: "You've probably heard of "Strep throat," but might not know that contaminated food is one way you can be infected with *Streptococcus*, the bacterium that causes it. *Streptococcus* isn't a leading cause of illness from food, but the illness that it does cause can develop into more serious problems. Infected food handlers are thought to be the main way food is contaminated with *Streptococcus*. **In most cases, the food was left at room temperature for too long, letting the bacteria multiply to harmful levels.**"

The CDC publication "[Antibiotic Resistance Threats in the United States, 2013](#)" provides the follow statistics on the species *Streptococcus pneumoniae* (Note: our testing did not determine the species of *Streptococcus*):

Drug-Resistant *Streptococcus pneumoniae*

Threat Level Serious

"1,200,000 Drug-Resistant Infections per year - 7,000 (Human) Deaths - \$96,000,000 in excess medical costs per year."

The same CDC publication provides the follow statistics on the species **Erythromycin-Resistant Group A *Streptococcus*** (Note: our testing did not determine the species of *Streptococcus*):

Threat Level Concerning

"1 - 2.6 Million Strep Throat Infections per year - 160 Deaths - Group A Strep is the leading cause of Necrotizing Fasciitis (Flesh-eating disease)."

The same CDC publication provides the following statistics on the species **Clindamycin-Resistant Group B *Streptococcus*** (Note: our testing did not determine the species of *Streptococcus*):

Threat Level Concerning

"27,000 Severe cases of GBS in 2011 - 440 Deaths - Group B Strep is the leading cause of serious bacteria infections in newborns."

Our testing found the bacteria *Streptococcus* (Genus) in the following pet foods:

	Cat Foods						Dog Foods					
	Can			Dry			Can			Dry		
	Royal Canin Results	Fancy Feast Results	Science Diet Results	Meow Mix Results	Friskies Results	Wellness Results	Hill's Results	FreshPet Results	Cesar Results	Blue Results	Beneful Results	OI Roy Results
Genus												
Streptococcus	0	✓	0	✓	✓	✓	✓	0	0	✓	✓	0

Note: Disease in cats and dogs linked to food bacterial contamination is not tracked by any authority as with humans/human food. With no scientific data available to the specific risk of "antibiotic resistant" *Streptococcus* infection to pets, the known infection risk is to the consumer handling the pet food. However, because the pet food and subsequent bacteria is being ingested by cats and dogs - infection risk concerns remain for our pets.

Bacteria found in pet food: **Staphylococcus**

The following information is quoting [FDA's 'Bad Bug Book - Handbook of Foodborne Pathogenic Microorganisms and Natural Toxins'](#) .

Staphylococcus aureus

Note: our testing did not determine the *Staphylococcus* species.

FDA states: "This bacterium, often called "Staph" for short, can cause food poisoning. It's very common in the environment and can be found in soil, water, and air, and on everyday objects and surfaces. It can live in humans and animals. *Staphylococcus aureus* is found in foods and can make toxins (enterotoxins) that might not be destroyed by cooking, although the bacterium itself can be destroyed by heat. These toxins can cause nausea, stomach cramps, vomiting, and diarrhea. In more severe cases, the toxins may cause loss of body fluid (dehydration), headache, muscle cramps, and temporary changes in blood pressure and heart rate. The illness usually is intense, but normally lasts from just a few hours to a day. **Outbreaks often have been linked to foods that require a lot of handling when they're being processed or prepared and/or weren't kept at proper refrigerator temperature (40°F or below). Examples of foods that have been linked to this type of food poisoning include meat and meat products; poultry and egg products;...**"

The CDC publication "[Antibiotic Resistance Threats in the United States, 2013](#)" provides the follow statistics on the species **Staphylococcus aureus** (Note: our testing did not determine the species of *Staphylococcus*):

Methicillin-Resistant *Staphylococcus aureus* (MRSA)

Threat Level Serious

"80,461 Severe MRSA Infections per year - 11,285 (Human) Deaths from MRSA per year."

The same CDC publication provides the follow statistics on the species **Vancomycin-Resistant *Staphylococcus aureus*** (Note: our testing did not determine the species of *Staphylococcus*.):

Vancomycin-Resistant *Staphylococcus aureus*

Threat Level Concerning

"13 Cases in 4 States since 2002 - Some *Staphylococcus* Strains are resistant to Vancomycin leaving few or no treatment options."

Our testing found the bacteria *Staphylococcus* (Genus) in the following pet foods:

	Cat Foods						Dog Foods					
	Can			Dry			Can			Dry		
	Royal Canin Results	Fancy Feast Results	Science Diet Results	Meow Mix Results	Friskies Results	Wellness Results	Hill's Results	FreshPet Results	Cesar Results	Blue Results	Beneful Results	Oi Roy Results
Genus												
Staphylococcus	✓	✓	✓	✓	✓	✓	✓	0	✓	✓	✓	0

Note: Disease in cats and dogs linked to food bacterial contamination is not tracked by any authority as with humans/human food. With no scientific data available to the specific risk of "antibiotic resistant" *Staphylococcus* infection to pets, the known infection risk is to the consumer handling the pet food. However, because the pet food and subsequent bacteria is being ingested by cats and dogs - infection risk concerns remain for our pets.

Bacteria found in pet food: **Bacillus**

The following information is quoting [FDA's 'Bad Bug Book - Handbook of Foodborne Pathogenic Microorganisms and Natural Toxins'](#) .

Bacillus cereus and other Bacillus species

Note: Our testing did not determine the Bacillus species.

FDA states: “*Bacillus cereus* might cause many more cases of foodborne illness than is known. One reason it's under-reported may be that most people have fairly mild, brief symptoms, so they don't seek medical attention. But it can cause serious illness in some people, as described below. Often called "B. cereus," this bacterium can cause two different types of sickness. (1) In the first type, after contaminated food is eaten the bacteria make a toxic substance in the small intestine. This can lead to diarrhea, cramps, and sometimes, nausea (but usually not vomiting). Many kinds of contaminated foods have been linked to this illness. Symptoms start in about 6 to 15 hours and usually clear up within a day or so. (2) The second type occurs if *B. cereus* makes a different kind of toxin in contaminated food. It most often affects rice and other starchy foods. It causes nausea and vomiting in a half-hour to 6 hours and usually clears up in about a day. Both kinds of illness general go away by themselves, but can cause serious complications, although rarely in otherwise healthy people. One of the most important things you can do to protect yourself from infection with *B. cereus* is to **keep your food refrigerated at 40°F or lower**. Cooking may kill the bacteria, but it might not disable the toxin that causes the vomiting type of illness.”

Our testing found the bacteria Bacillus (Genus) in the following pet foods:

	Cat Foods						Dog Foods					
	Can			Dry			Can			Dry		
	Royal Canin Results	Fancy Feast Results	Science Diet Results	Meow Mix Results	Friskies Results	Wellness Results	Hill's Results	FreshPet Results	Cesar Results	Blue Results	Beneful Results	OI Roy Results
Genus												
Bacillus	✓	✓	✓	✓	✓	✓	✓	0	0	✓	✓	✓

Note: Disease in cats and dogs linked to food bacterial contamination is not tracked by any authority as with humans/human food. With no scientific data available to the specific risk of Bacillus infection to pets, the known infection risk is to the consumer handling the pet food. However, because the pet food and subsequent bacteria is being ingested by cats and dogs - infection risk concerns remain for our pets.

Bacteria Associated with Spoiled Meat

Numerous bacteria found in our test results are linked to spoiled food. Please note that currently, the **FDA does not require ingredients used in pet food (excluding food grade ingredients for pet food manufactured in a human food facility) to be transported or warehoused in clean conditions or under refrigeration.** Proper quality control is encouraged, but not required or enforced by regulation.

The [Food and Agriculture Organization of the United Nations](#) provides the following: (red font indicates bacteria found in our testing)

“Microorganisms causing microbiological spoilage of meat”

- “Putrefaction - *Pseudomonas* (“Cold room flora”), *Proteus*, *Clostridium*.”
- “Souring - *Lactobacillus*, *Enterococcus*, *Pediococcus* (“Lactic acid bacteria”).”
- “Slime formation - *Pseudomonas*, *Streptococcus*, *Enterobacteriaceae* (on open meat), *Lactic acid bacteria* (on vacuum packed meat and meat products), *Yeasts* (on raw fermented products such as raw hams).”

While the FDA insists pet food ingredients are sourced from non-decomposing tissue, the agency allows the pet food industry to utilize ingredients that are not suitable for human consumption which could include decomposing/putrid animal tissue (animals that have died other than by slaughter and or meats not transported or stored under refrigeration). As example, FDA Compliance Policy for canned pet food states: “*The pet food canning industry utilizes undecomposed animal and marine tissues from various sources. These include products of the rendering industry such as various meat, poultry, and bone meals; meat scraps and offal from packing house waste, freshly boned-out animals; and occasionally meat from animals that may have died otherwise than by slaughter.*”

The discovery of these bacteria in our test results does not confirm meat within the pet food was putrid, soured, or contained slime. These bacteria are only associated with these meat conditions. The bacteria associated with meat spoilage was found in the following pet foods...

	Cat Foods						Dog Foods					
	Can			Dry			Can			Dry		
	Royal Canin Results	Fancy Feast Results	Science Diet Results	Meow Mix Results	Friskies Results	Wellness Results	Hill's Results	FreshPet Results	Cesar Results	Blue Results	Beneful Results	OI Roy Results
Genus												
Pseudomonas	0	✓	✓	✓	✓	✓	✓	0	0	✓	✓	✓
Lactobacillus	0	✓	✓	✓	✓	✓	✓	0	0	✓	✓	0
Streptococcus	0	✓	0	✓	✓	✓	✓	0	0	✓	✓	0

Bacteria analysis from Dr. Jean Dodds

[Dr. Jean Dodds](#) received the D.V.M. degree with honors in 1964 from the Ontario Veterinary College, University of Toronto. In 1965, she accepted a position as a Research Scientist with the New York State Health Department. She began comparative studies of animals with inherited and acquired bleeding diseases. Eventually, her position culminated as Chief, Laboratory of Hematology, Wadsworth Center. In 1980, she also became Executive Director, New York State Council on Human Blood and Transfusion Services. This work continued full-time until 1986 when she moved to Southern California to establish Hemopet, the first nonprofit national blood bank program for animals.

Halomonas = potential pathogen that contaminates IV fluids.

Staphylococcus = common skin bacterium found in human (*S. aureus*) and pet animal (*S. psuedointermedius*) skin.

Bacillus = rod shaped bacterium related to Firmicutes, and ubiquitous. Usually non-pathogenic.

Chloroplast = a non-pathogenic part of plants and algae.

Lactobacillus = non-pathogenic bacterium in the gut that is found in yogurt cultures, for example.

Proteobacteria = many pathogens and non-pathogens are classified in this taxonomic group.

Firmicutes = ubiquitous present in human and mouse gut. Usually non-pathogenic.

Cyanobacteria = commonly called “blue green algae” but this is a misnomer, as they are typically rust colored. Related to chloroplasts, but can produce cyanotoxins that affect various body tissues.

Taxon	Cat Foods						Dog Foods					
	Can			Dry			Can			Dry		
	Royal Canin Results	Fancy Feast Results	Science Diet Results	Meow Mix Results	Friskies Results	Wellness Results	Hill's Results	FreshPet Results	Cesar Results	Blue Results	Beneful Results	OI Roy Results
Halomonas (Genus)	0	✓	✓	✓	✓	✓	✓	0	0	✓	✓	0
Proteobacteria (Phylum)	0	✓	✓	✓	✓	✓	✓	0	0	✓	✓	✓
Cyanobacteria (Phylum)	0	✓	✓	✓	✓	✓	✓	0	0	✓	✓	✓

Our **sincere thanks** to Dr. Jean Dodds for her assistance in analysis of these bacteria.

From the [World Health Organization](#) regarding **Cyanobacteria**:

“Cyanobacteria or blue-green algae occur worldwide especially in calm, nutrient-rich waters. Some species of cyanobacteria produce toxins that affect animals and humans.”

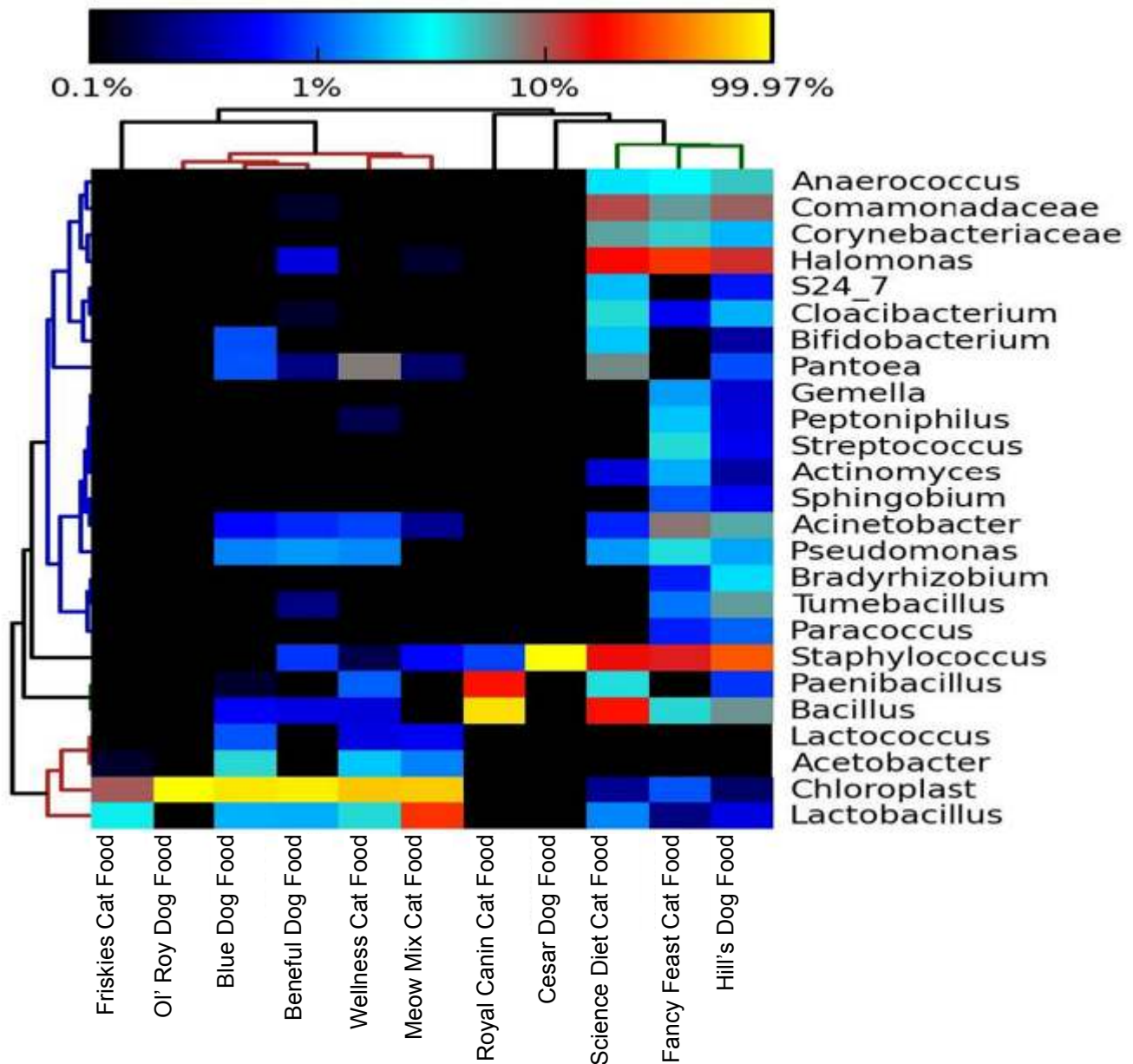
“Disease due to cyanobacterial toxins varies according to the type of toxin and the type of water or water-related exposure (drinking, skin contact, etc.). Humans are affected with a range of symptoms including skin irritation, stomach cramps, vomiting, nausea, diarrhoea, fever, sore throat, headache, muscle and joint pain, blisters of the mouth and liver damage. Animals, birds, and fish can also be poisoned by high levels of toxin-producing cyanobacteria.”

Full Results Taxonomic Summary Genus

Taxon	Cat Foods						Dog Foods					
	Can			Dry			Can			Dry		
	Royal Canin Results	Fancy Feast Results	Science Diet Results	Meow Mix Results	Friskies Results	Wellness Results	Hill's Results	FreshPet Results	Cesar Results	Blue Results	Beneful Results	OI Roy Results
Anaerococcus %	0	3.04	2.66	0	0	0.03	4.71	0	0	0	0.03	0
Comamonadaceae %	0	6.21	10.92	0.07	0	0.03	9.21	0	0	0.03	0.14	0.03
Corynebacteriaceae %	0	4.47	5.97	0.03	0	0	1.91	0	0	0.03	0.1	0
Halomonas %	0	24.8	18.39	0.14	0.03	0.03	12.79	0	0	0.07	0.44	0
S24_7 %	0.03	0	2.05	0.03	0	0	0.65	0	0	0	0.07	0
Cloacibacterium %	0	0.51	4.09	0.03	0.03	0	1.88	0	0	0	0.14	0
Bifidobacterium %	0	0	2.22	0	0	0.03	0.31	0	0	0.96	0.03	0
Pantoea %	0	0	6.99	0.2	0.03	7.78	0.96	0	0	0.99	0.24	0
Gemella %	0	1.64	0	0	0	0	0.41	0	0	0	0.07	0
Peptoniphilus %	0	2.12	0	0.03	0	0.17	0.44	0	0	0	0	0
Streptococcus %	0	4.13	0	0.03	0.03	0.1	0.51	0	0	0.1	0.07	0
Actinomyces %	0	1.81	0.44	0	0	0	0.31	0	0	0	0	0
Sphingobium %	0	0.99	0	0.07	0.03	0	0.58	0	0	0	0	0
Acinetobacter %	0	7.95	0.72	0.27	0.1	0.89	5.6	0	0	0.58	0.75	0
Pseudomonas %	0	4.03	1.6	0.03	0.1	1.43	1.74	0	0	1.36	1.6	0.03
Bradyrhizobium %	0	0.68	0	0	0	0	2.49	0	0	0	0.07	0
Tumebacillus %	0	1.26	0	0.07	0	0.03	6.11	0	0	0.1	0.24	0.03
Paracoccus %	0	0.68	0	0	0	0	1.09	0	0	0	0	0
Staphylococcus %	0.89	14.43	16.38	0.58	0.1	0.17	31.35	0	99.97	0.07	0.82	0
Paenibacillus %	20.23	0	3.92	0	0	1.06	0.82	0	0	0.14	0.03	0
Bacillus %	78.85	4.16	20.13	0.1	0.03	0.44	6.62	0	0	0.55	0.48	0.03
Lactococcus %	0	0	0	0.55	0	0.48	0	0	0.03	0.99	0.1	0
Acetobacter %	0	0	0	1.36	0.14	2.22	0	0	0	4.2	0	0
Chloroplast %	0	0.99	0.27	69.84	9.76	67.11	0.2	0	0	83.9	89.05	99.76
Lactobacillus %	0	0.24	1.4	24.77	3.58	4.06	0.48	0	0	1.88	1.84	0

Note: Red font highlight indicates bacteria of concern per information provided by FDA, CDC and/or Dr. Jean Dodds.

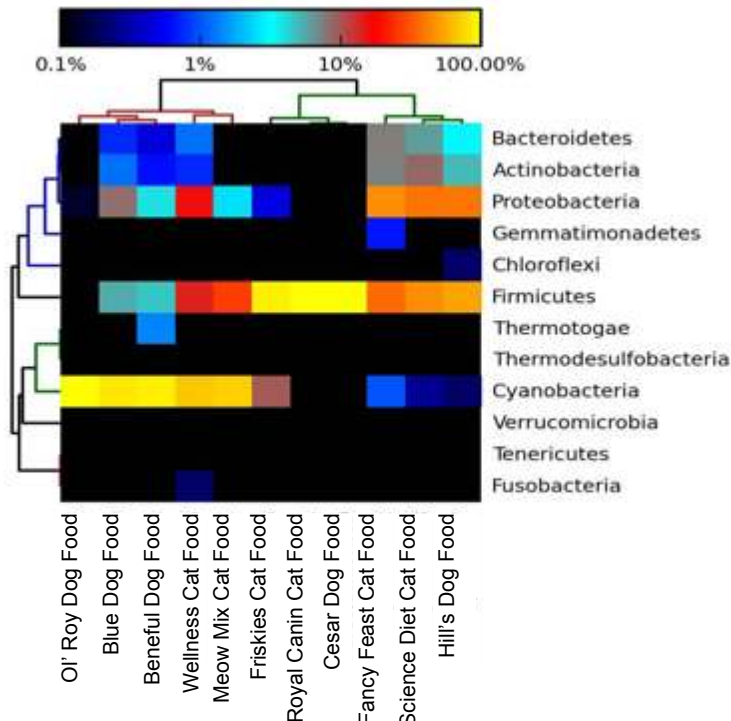
Full Results Taxonomic Summary Genus



Full Results Taxonomic Summary Phylum

Taxon	Cat Foods						Dog Foods					
	Can			Dry			Can			Dry		
	Royal Canin Results	Fancy Feast Results	Science Diet Results	Meow Mix Results	Friskies Results	Wellness Results	Hill's Results	FreshPet Results	Cesar Results	Blue Results	Beneful Results	OI Roy Results
Bacteroidetes %	0.03	7.54	6.14	0.07	0.03	1.23	3.04	0	0	0.75	0.44	0
Actinobacteria %	0	7.4	8.73	0.07	0	0.75	5.12	0	0	1.23	0.61	0.03
Proteobacteria %	0	46.64	38.76	2.56	0.48	16.31	38.89	0	0	8.53	3.82	0.14
Gemmatimonadetes %	0	0.65	0	0	0	0	0	0	0	0	0	0
Chloroflexi %	0	0	0	0	0	0	0.2	0	0	0	0	0
Firmicutes %	99.97	36.78	46.09	26.51	89.73	14.33	52.54	0	100	5.56	4.64	0.07
Thermotogae %	0	0	0	0	0	0	0	0	0	0	1.4	0
Thermodesulfobacteria %	0	0	0	0	0	0	0	0	0	0	0.03	0
Cyanobacteria %	0	0.99	0.27	70.79	9.76	67.11	0.2	0	0	83.9	89.05	99.76
Verrucomicrobia %	0	0	0	0	0	0	0	0	0	0.03	0	0
Tenericutes %	0	0	0	0	0	0.07	0	0	0	0	0	0
Fusobacteria %	0	0	0	0	0	0.2	0	0	0	0	0	0
Total	100	100	99.99	100	100	100	99.99	0	100	100	99.99	100

Note: Red font highlight indicates bacteria of concern per information provided by FDA, CDC and/or Dr. Jean Dodds.



Closing Statement from Association for Truth in Pet Food

Consumers deserve the opportunity to purchase safe and wholesome pet food products, to fully understand the quality of ingredients within the pet food, to have trust in pet food manufacturers, and to trust regulatory authorities will enforce pet food regulations and take swift action should a pet become ill linked to a pet food or treat.

Our results - being a pet food snapshot in time - show much of this is only wishful thinking. Our results show there are not only serious concerns for pets consuming a potentially contaminated pet food or nutritionally unbalanced pet food - but as well, our results show there are serious risks for humans bringing pet food into their homes and even risk to employees of companies who manufacture pet food.

Federal law is very clear. The Food, Drug and Cosmetic Act defines food as "*articles used for food or drink for man and other animals*". These same laws clearly define an adulterated and/or prohibited food. However the FDA and every State Department of Agriculture chooses not to enforce existing law with pet food.

Though it is termed 'food', pet 'food' is considered by regulatory authorities to be animal 'feed' (such as livestock feed). Association for Truth in Pet Food believes this feed/food classification is the foundation of tremendous problems for pet food consumers. Pet food ingredients are displayed as 'food' on the label, however the ingredients used to make the pet food could be 'feed' grade/quality which are not held to any 'food' law. And as our results show, there are many unknown risks to consumers (such as dangerous bacteria) linked to this feed/food classification.

Authorities fail to consider numerous differences between animal feed and pet food, one of the most concerning being...

- Unlike animal feed that is often dumped on the ground to feed most livestock, pet 'food' is brought into the home of consumers and is often purchased and stored right along side of human food. Should the pet 'food' contain a dangerous bacteria or toxin, the entire household (humans and pets) would be exposed to the risk.

As example of concern, the FDA and every State Department of Agriculture takes no enforcement action when a pet 'food' displays images of grilled steak or chicken on a label when the meat within the food is not grilled - allowing pet foods to mislead consumers. As example of serious concern, the FDA and every State Department of Agriculture takes no enforcement action when pet 'food' ingredients are sourced from diseased animals or animals that have died other than slaughter - possibly exposing consumers and their pets to serious health risks.

Pet food consumers provide state governments with an estimated \$1 billion dollars in sales tax revenue per year on pet food purchases alone. The question has to be asked...**what are pet food consumers getting in return for this revenue?**

Pet food contaminated with dangerous mycotoxins? Pet food that does not meet regulatory requirements of nutrients? Pet food that is contaminated with dangerous antibiotic resistant bacteria putting the entire family at risk?

Association for Truth in Pet Food encourages all pet food consumers to forward these pet food test results to every representative of state and federal government and ask for much needed change in pet food. Consumers and their pets should not be exposed to dangerous pathogens or deadly mycotoxins. Complete and balanced pet food should be held to the 'complete and balanced' regulations.

It is the hope of Association for Truth in Pet Food that all pet food/treat industry stakeholders and all regulatory authorities take a serious look at the existing condition of pet food and begin to work with consumers to build a safer, healthier pet food/treat industry.

Association for Truth in Pet Food wishes to thank everyone that donated their money and/or time to The Pet Food Test.