

Pet Food Scheme
Blood Meal
Test Material Code # 201841

Method Summary Report
(Precision Report Follows)

Methods Reported: 210
Labs Reporting: 49
Issue Date : 03/31/2018

Method Code	Analyte and Method	Total # Labs Submitting	# Labs in Robust Calcs	Raw Mean	Raw SD	Assigned Value Robust Mean	AAFCO PT ffp - Robust sd	Uncertainty (U) Robust	% RSD - Robust	Average Range (R-bar)	Horwitz %RSD
001.00	Loss on Drying, Vac 95°C 5 hr (%)	3	3	9.9178	0.00257	9.9178	0.00257	0.00185	0.03%	0.04033	2.83%
001.03	Loss on Drying, Low temp. methods (%)	3	3	9.7700	0.04583	9.7700	0.04583	0.03307	0.47%	0.05333	2.84%
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	13	12	9.7244	0.28738	9.7651	0.22546	0.08135	2.31%	0.04758	2.84%
001.99	Loss on Drying, Miscellaneous (%)	7	7	9.3968	0.40176	9.3968	0.45560	0.21525	4.85%	0.27357	2.85%
002.00	Protein, Crude, Crude (%)	1	1	92.540							
002.01	Protein, Crude, Auto Kjel-Foss (%)	3	3	92.614	0.29227	92.614	0.29227	0.21093	0.32%	0.31300	1.04%
002.02	Protein, Crude, Semiauto Autoanalyzer (%)	1	1	93.160							
002.04	Protein, Crude, Copper Catalyst (%)	2	2	93.280	0.74953						
002.05	Protein, Crude, Copper, Boric Acid (%)	3	3	92.332	0.71679	92.332	0.71679	0.51730	0.78%	0.57700	1.04%
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	41	38	93.593	0.53093	93.588	0.50294	0.10198	0.54%	0.31329	1.03%
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	4	4	0.71114	0.54776	0.71114	0.54776	0.34235	77.03%	0.06338	4.21%
003.01	Fat, Crude, Diethyl Ether Ext (13th ed.), Indirect (%)	1	1	0.50500							
003.06	Fat, Crude, Pet Ether (%)	2	2	0.62750	0.20153						
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	4	4	0.67448	0.41432	0.67448	0.41432	0.25895	61.43%	0.12195	4.24%
003.10	Fat, Crude, Randall, Pet Ether (%)	7	7	0.38767	0.13465	0.38767	0.15270	0.07214	39.39%	0.07223	4.61%
003.12	Fat, Crude, Hexane Ext (%)	2	2	0.46500	0.01414						
003.13	Fat, Crude, Randall, Hexane Ext. (%)	1	1	0.75500							
003.14	Fat, Crude, Ankom (%)	6	6	0.38077	0.10894	0.37814	0.11739	0.05990	31.04%	0.06890	4.63%
003.99	Fat, Crude, Miscellaneous (%)	1	1	0.47000							
004.00	Fiber, Crude, Asbestos Free (%)	4	4	0.20371	0.05652	0.20371	0.05652	0.03533	27.75%	0.04258	5.08%
004.03	Fiber, Crude, Fritted Glass (%)	3	2	0.45750	0.27224	0.45750	0.27224			0.12500	4.50%
004.06	Fiber, Crude, Fibertec (%)	4	3	0.23833	0.10275	0.23833	0.10275	0.07415	43.11%	0.03000	4.96%
004.07	Fiber, Crude, ANKOM (%)	9	7	0.39741	0.28759	0.39741	0.32612	0.15408	82.06%	0.08300	4.60%
005.00	Ash, 2h @ 600°C (%)	32	31	1.7676	0.07851	1.7607	0.06191	0.01390	3.52%	0.06136	3.67%
005.03	Ash, Microwave furnace (%)	1	1	1.8150							
005.05	Ash, 3h @ 550°C (%)	4	4	1.7475	0.04735	1.7475	0.04735	0.02959	2.71%	0.07000	3.68%
005.99	Ash, Miscellaneous (%)	3	3	1.7567	0.11427	1.7567	0.11427	0.08247	6.50%	0.01333	3.67%
006.01	Total Sugars, Mod. Fehling Soln (%)	1		0.02000							
008.02	Fiber, Acid Detergent, Crucible (%)	2	2	0.08250	0.02475						
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	4	4	1.4256	0.90773	1.4256	0.90773	0.56733	63.67%	0.39623	3.79%
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat (%)	2	2	1.0125	0.70361						
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	3	3	0.54780	0.22840	0.54780	0.22840	0.16483	41.69%	0.07307	4.38%

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010.99	Moisture, Miscellaneous (%)	2	2	9.6525	0.58336						
011.01	Loss on Drying, 135°C 2hr (%)	20	19	10.099	0.18269	10.106	0.18458	0.05293	1.83%	0.09159	2.82%
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	1		0.45000							
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	8	7	0.84497	0.53187	0.83116	0.57143	0.26998	68.75%	0.06269	4.11%
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	13	12	1.1908	0.16758	1.1920	0.16495	0.05952	13.84%	0.06431	3.90%
013.10	Fat, Acid Pretreat, Soxtec-Acid Hydrolysis (%)	3	2	0.32000	0.07778	0.32000	0.07778			0.06000	4.75%
013.13	Fat, Acid Pretreat, Ankom- Acid Hydrolysis (%)	2	2	0.79750	0.10253						
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	1	1	4.6650							
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	2	2	14.000	16.263						
017.43	Boron, ICP, Microwave (mg / kg (ppm))	2	1	10.000							
019.00	Calcium, Ox-Mn04 Vol. (%)	1	1	0.02950							
019.31	Calcium, AAS, Dry ash (%)	1	1	0.04250							
019.32	Calcium, AAS, Open vessel (%)	1	1	0.08000							
019.41	Calcium, ICP, Dry ash (%)	9	9	0.05052	0.00816	0.05052	0.00925	0.00386	18.32%	0.00371	6.27%
019.42	Calcium, ICP, Open vessel (%)	3	3	0.07392	0.03162	0.07392	0.03162	0.02282	42.78%	0.04543	5.92%
019.43	Calcium, ICP, Microwave (%)	10	10	0.05614	0.04930	0.04267	0.00811	0.00320	19.00%	0.00465	6.43%
019.44	Calcium, ICP, Dry ash (%)	2	2	0.04725	0.01096						
019.52	Calcium, ICP-MS, Open vessel (%)	1	1	0.06150							
019.53	Calcium, ICP-MS, Microwave (%)	1	1	0.04250							
019.99	Calcium, Miscellaneous (%)	2	2	0.08025	0.03500						
021.41	Cobalt, ICP, Dry ash (mg / kg (ppm))	1		0.05000							
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	2	1	0.10925							
022.32	Copper, AAS, Open vessel (mg / kg (ppm))	1		0.00000							
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	9	9	6.6429	7.8423	4.2235	0.98729	0.41137	23.38%	1.1008	12.88%
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	2	2	6.4230	4.5566						
022.43	Copper, ICP, Microwave (mg / kg (ppm))	10	8	3.1922	0.38222	3.1358	0.28878	0.12762	9.21%	0.09708	13.47%
022.52	Copper, ICP-MS, Open vessel (mg / kg (ppm))	1	1	4.1300							
022.53	Copper, ICP-MS, Microwave (mg / kg (ppm))	1	1	3.4750							
022.99	Copper, Miscellaneous (mg / kg (ppm))	1	1	4.0600							
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	1	1	2,686.5							
025.32	Iron, AAS, Open vessel (mg / kg (ppm))	1	1	2,610.7							
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	10	9	2,497.8	165.31	2,511.8	153.37	63.905	6.11%	55.652	4.92%
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	2	2	2,653.8	30.759						
025.43	Iron, ICP, Microwave (mg / kg (ppm))	10	10	2,596.8	166.18	2,595.9	186.37	73.671	7.18%	111.85	4.90%
025.52	Iron, ICP-MS, Open vessel (mg / kg (ppm))	1	1	2,664.5							
025.53	Iron, ICP-MS, Microwave (mg / kg (ppm))	1	1	2,575.0							
025.99	Iron, Miscellaneous (mg / kg (ppm))	1	1	1,629.5							
027.31	Magnesium, AAS, Dry ash (%)	1	1	0.01450							
027.32	Magnesium, AAS, Open vessel (%)	1	1	0.01500							
027.41	Magnesium, ICP, Dry ash (%)	9	9	0.01353	0.00147	0.01379	0.00095	0.00040	6.88%	0.00034	7.62%

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027.42	Magnesium, ICP, Open vessel (%)	2	2	0.01290	0.00297						
027.43	Magnesium, ICP, Microwave (%)	11	10	0.01281	0.00215	0.01281	0.00244	0.00096	19.06%	0.00017	7.71%
027.44	Magnesium, ICP, Dry ash (%)	2	2	0.01550	0.00071						
027.52	Magnesium, ICP-MS, Open vessel (%)	1	1	0.01600							
027.53	Magnesium, ICP-MS, Microwave (%)	1	1	0.01395							
027.99	Magnesium, Miscellaneous (%)	1	1	0.01450							
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	7	4	0.69588	0.34367	0.69588	0.34367	0.21479	49.39%	0.10825	16.89%
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	1		1.0000							
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	7	4	0.32010	0.13656	0.32010	0.13656	0.08475	42.66%	0.14500	18.99%
028.52	Manganese, ICP-MS, Open vessel (mg / kg (ppm))	1	1	0.44800							
028.53	Manganese, ICP-MS, Microwave (mg / kg (ppm))	1	1	0.37900							
028.99	Manganese, Miscellaneous (mg / kg (ppm))	1	1	0.23550							
031.01	Phosphorus, Photometric (%)	6	6	0.16858	0.00527	0.16858	0.00597	0.00305	3.54%	0.00750	5.23%
031.03	Phosphorus, Autoanalyzer (%)	1	1	0.19500							
031.41	Phosphorus, ICP, Dry ash (%)	8	8	0.16257	0.01152	0.16344	0.01099	0.00486	6.72%	0.00351	5.25%
031.42	Phosphorus, ICP, Open vessel (%)	4	3	0.16170	0.01597	0.16170	0.01597	0.01412	9.88%	0.00320	5.26%
031.43	Phosphorus, ICP, Microwave (%)	11	11	0.16520	0.00857	0.16409	0.00574	0.00216	3.50%	0.00497	5.25%
031.44	Phosphorus, ICP, Dry ash (%)	2	2	0.17000	0.01414						
031.53	Phosphorus, ICP-MS, Microwave (%)	1	1	0.17850							
031.99	Phosphorus, Miscellaneous (%)	2	2	0.16150	0.00212						
032.02	Potassium, Flame Emission (%)	1	1	0.38500							
032.31	Potassium, AAS, Dry ash (%)	1	1	0.33000							
032.32	Potassium, AAS, Open vessel (%)	1	1	0.37000							
032.41	Potassium, ICP, Dry ash (%)	9	9	0.34542	0.03339	0.34620	0.03612	0.01505	10.43%	0.02044	4.69%
032.42	Potassium, ICP, Open vessel (%)	4	4	0.39690	0.01544	0.39690	0.01544	0.00965	3.89%	0.02185	4.60%
032.43	Potassium, ICP, Microwave (%)	11	11	0.39463	0.02643	0.39445	0.02959	0.01115	7.50%	0.01584	4.60%
032.44	Potassium, ICP, Dry ash (%)	3	3	0.34003	0.01799	0.34003	0.01799	0.01298	5.29%	0.01893	4.70%
032.53	Potassium, ICP-MS, Microwave (%)	1	1	0.39800							
032.99	Potassium, Miscellaneous (%)	1	1	0.32350							
033.00	Salt as chloride, Sol Cl (%)	2	2	0.27598	0.03673						
033.01	Salt as chloride, Poten Cl (%)	6	6	0.28650	0.03872	0.28650	0.04390	0.02241	15.32%	0.01300	4.83%
033.03	Salt as chloride, Quantab (%)	1	1	0.36000							
033.05	Salt as chloride, Ion Sel Electrode (%)	1		0.10000							
034.04	Selenium, AA, Hydride (mg / kg (ppm))	1	1	1.1150							
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	2	2	1.2215	0.56356						
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	2	2	1.4100	0.28991						
035.05	Sodium, Flame Emission (%)	1	1	0.20000							
035.31	Sodium, AAS, Dry ash (%)	1	1	0.20850							
035.32	Sodium, AAS, Open vessel (%)	1	1	0.21000							
035.41	Sodium, ICP, Dry ash (%)	9	9	0.19385	0.01089	0.19385	0.01235	0.00514	6.37%	0.01052	5.12%

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035.42	Sodium, ICP, Open vessel (%)	3	3	0.19980	0.00685	0.19980	0.00685	0.00494	3.43%	0.03067	5.10%
035.43	Sodium, ICP, Microwave (%)	8	8	0.18925	0.01084	0.18925	0.01229	0.00543	6.49%	0.00413	5.14%
035.53	Sodium, ICP-MS, Microwave (%)	1	1	0.19650							
036.42	Sulfur, ICP, Open vessel (%)	4	4	0.40270	0.04739	0.40270	0.04739	0.02962	11.77%	0.00460	4.59%
036.43	Sulfur, ICP, Microwave (%)	5	5	0.40902	0.02655	0.40902	0.02655	0.01484	6.49%	0.01588	4.58%
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	1	1	17.750							
037.32	Zinc, AAS, Open vessel (mg / kg (ppm))	1	1	25.070							
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	9	8	25.111	11.925	21.608	3.0592	1.3520	14.16%	0.67620	10.07%
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	2	2	24.690	4.7518						
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	10	9	20.417	2.1102	20.298	1.9891	0.82878	9.80%	0.48620	10.17%
037.52	Zinc, ICP-MS, Open vessel (mg / kg (ppm))	1	1	19.515							
037.53	Zinc, ICP-MS, Microwave (mg / kg (ppm))	1	1	22.550							
037.99	Zinc, Miscellaneous (mg / kg (ppm))	1	1	21.500							
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	1		0.10000							
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	1	1	0.01595							
101.02	Choline Chloride, LC (mg / kg (ppm))	1	1	562.50							
120.00	Alanine, Post-col Ninhydrin Der (%)	5	5	7.7402	0.32890	7.7402	0.32890	0.18386	4.25%	0.09808	2.94%
120.05	Alanine, Pre-col AQC Der (%)	1	1	7.3450							
120.99	Alanine, Miscellaneous (%)	1	1	7.4975							
121.00	Arginine, Post-col Ninhydrin Der (%)	5	5	3.9925	0.15076	3.9925	0.15076	0.08428	3.78%	0.05028	3.25%
121.05	Arginine, Pre-col AQC Der (%)	1	1	3.8600							
121.99	Arginine, Miscellaneous (%)	1	1	3.7605							
122.00	Aspartic, Post-col Ninhydrin Der (%)	5	5	10.679	0.70279	10.679	0.70279	0.39287	6.58%	0.16424	2.80%
122.05	Aspartic, Pre-col AQC Der (%)	1	1	11.205							
122.99	Aspartic, Miscellaneous (%)	1	1	10.918							
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	5	5	0.70318	0.07657	0.70318	0.07657	0.04280	10.89%	0.01928	4.22%
124.02	Cysteine/Cystine, PAO Post-col OPA Der (%)	1	1	0.68000							
124.99	Cysteine/Cystine, Miscellaneous (%)	1	1	0.69800							
125.00	Glutamic, Post-col Ninhydrin Der (%)	5	5	7.7598	0.47034	7.7598	0.47034	0.26293	6.06%	0.18796	2.94%
125.05	Glutamic, Pre-col AQC Der (%)	1	1	7.5650							
125.99	Glutamic, Miscellaneous (%)	1	1	7.8195							
126.00	Glycine, Post-col Ninhydrin Der (%)	5	5	4.5043	0.17681	4.5043	0.17681	0.09884	3.93%	0.04596	3.19%
126.05	Glycine, Pre-col AQC Der (%)	1	1	4.5650							
126.99	Glycine, Miscellaneous (%)	1	1	4.4395							
127.00	Histidine, Post-col Ninhydrin Der (%)	5	5	6.8468	0.40915	6.8468	0.40915	0.22872	5.98%	0.14878	2.99%
127.05	Histidine, Pre-col AQC Der (%)	1	1	6.9850							
127.99	Histidine, Miscellaneous (%)	1	1	7.0805							
128.00	Isoleucine, Post-col Ninhydrin Der (%)	5	5	0.53611	0.08579	0.53611	0.08579	0.04796	16.00%	0.02562	4.39%
128.05	Isoleucine, Pre-col AQC Der (%)	1	1	0.45000							
128.99	Isoleucine, Miscellaneous (%)	1	1	0.80600							

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129.00	Leucine, Post-col Ninhydrin Der (%)	5	5	12.298	0.46180	12.298	0.46180	0.25815	3.76%	0.17284	2.74%
129.05	Leucine, Pre-col AQC Der (%)	1	1	12.005							
129.99	Leucine, Miscellaneous (%)	1	1	12.289							
130.00	L-Lysine, Post-col Ninhydrin Der (%)	5	5	8.0714	0.80596	8.0714	0.80596	0.45055	9.99%	0.06236	2.92%
130.05	L-Lysine, Pre-col AQC Der (%)	2	2	8.3588	0.16794						
130.99	L-Lysine, Miscellaneous (%)	1	1	8.2095							
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	5	5	0.69546	0.11358	0.69546	0.11358	0.06349	16.33%	0.01972	4.22%
131.02	Methionine, PAO Post-col OPA Der (%)	1	1	0.50000							
131.99	Methionine, Miscellaneous (%)	1	1	0.66850							
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	5	5	6.4466	0.31676	6.4466	0.31676	0.17707	4.91%	0.08266	3.02%
132.05	Phenylalanine, Pre-col AQC Der (%)	1	1	6.2550							
132.99	Phenylalanine, Miscellaneous (%)	1	1	6.5615							
133.00	Proline, Post-col Ninhydrin Der (%)	5	5	3.3431	0.26378	3.3431	0.26378	0.14746	7.89%	0.09564	3.34%
133.05	Proline, Pre-col AQC Der (%)	1	1	3.4250							
133.99	Proline, Miscellaneous (%)	1	1	1.9240							
134.00	Serine, Post-col Ninhydrin Der (%)	5	4	4.4140	0.10988	4.4140	0.10988	0.06868	2.49%	0.07798	3.20%
134.05	Serine, Pre-col AQC Der (%)	1	1	4.1250							
134.99	Serine, Miscellaneous (%)	1	1	4.0810							
135.00	Threonine, Post-col Ninhydrin Der (%)	5	5	3.0410	0.10663	3.0410	0.10663	0.05961	3.51%	0.05544	3.38%
135.05	Threonine, Pre-col AQC Der (%)	2	2	2.8848	0.02157						
135.99	Threonine, Miscellaneous (%)	1	1	2.9125							
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	4	4	1.3719	0.28127	1.3719	0.28127	0.17579	20.50%	0.02495	3.81%
136.03	Tryptophan, Alka-Hydrol + IS RP LC FI (%)	1	1	1.1604							
136.99	Tryptophan, Miscellaneous (%)	1	1	1.2700							
137.02	Tyrosine, Post-col OPA Der (%)	1	1	1.7225							
137.05	Tyrosine, Pre-col AQC Der (%)	1	1	2.2000							
137.99	Tyrosine, Miscellaneous (%)	2	2	1.4368	0.97333						
138.00	Valine, Post-col Ninhydrin Der (%)	5	5	7.8448	0.44059	7.8448	0.44059	0.24630	5.62%	0.05362	2.93%
138.05	Valine, Pre-col AQC Der (%)	1	1	7.7550							
138.99	Valine, Miscellaneous (%)	1	1	8.1065							
139.00	Taurine, Post-col Ninhydrin Der (%)	2	2	1.1323	1.5588						
139.99	Taurine, Miscellaneous (%)	1	1	0.29000							
400.01	Water Activity, Aqualab chilled mirror (Units)	2	2	0.50803	0.03815						
516.43	Arsenic, Total, ICP, Microwave (mg / kg (ppm))	1		0.89000							
516.53	Arsenic, Total, ICP-MS, Microwave (mg / kg (ppm))	1		0.02000							
518.41	Cadmium, ICP, Dry ash (mg / kg (ppm))	1		0.05000							
518.43	Cadmium, ICP, Microwave (mg / kg (ppm))	2	1	0.01500							
520.41	Chromium, ICP, Dry ash (mg / kg (ppm))	1	1	0.28000							
520.43	Chromium, ICP, Microwave (mg / kg (ppm))	1	1	1.5600							
520.53	Chromium, ICP-MS, Microwave (mg / kg (ppm))	1	1	0.05535							

Test Material Code # 201841
Issue Date : 03/31/2018

Method Code	Analyte and Method	Total # Labs Submitting	# Labs in Robust Calcs	Raw Mean	Raw SD	Assigned Value Robust Mean	AAFCO PT #fp - Robust sd	Uncertainty (U) - Robust	% RSD - Robust	Average Range (R-bar)	Horwitz %RSD
526.41	Lead, ICP, Dry ash (mg / kg (ppm))	1	1	0.13500							
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	2	2	0.05860	0.01612						
539.41	Nickel, ICP, Dry ash (mg / kg (ppm))	1		0.05000							
539.43	Nickel, ICP, Microwave (mg / kg (ppm))	1		0.10000							
539.53	Nickel, ICP-MS, Microwave (mg / kg (ppm))	1	1	0.03705							
710.99	Lauric Acid (12:0), Miscellaneous (% (w/w))	1		0.01000							
714.99	Myristic Acid (14:0), Miscellaneous (% (w/w))	1		0.01000							
716.99	Palmitic Acid (16:0), Miscellaneous (% (w/w))	1	1	0.09000							
718.99	Palmitoleic Acid (9c-16:1), Miscellaneous (% (w/w))	1	1	0.01000							
722.99	Stearic Acid (18:0), Miscellaneous (% (w/w))	1	1	0.05000							
724.99	Oleic Acid (9c-18:1), Miscellaneous (% (w/w))	1	1	0.11500							
726.99	Linoleic Acid (9c,12c-18:2), Miscellaneous (% (w/w))	1	1	0.03000							
728.99	alpha-Linolenic Acid (9c,12c,15c-18:3), Miscellaneous (% (w/w))	1		0.01000							
740.99	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5), Miscellaneous (% (w/w))	1		0.01000							
750.99	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-22:6), Miscellaneous (% (w/w))	1		0.01000							
754.99	Total n-3 Polyunsaturated (Omega-3) Fatty Acids, Miscellaneous (% (w/w))	1		0.01000							
756.99	Total n-6 Polyunsaturated (Omega-6) Fatty Acids, Miscellaneous (% (w/w))	1	1	0.06000							
772.99	Total Fatty Acids, Miscellaneous (% (w/w))	1	1	0.36000							

Notes: Robust statistics not used if < 6 labs reporting, in this case means and SD's may be reported based on Raw Data with obvious blunders removed.



Pet Food Scheme

Method Precision Report

Methods Reported: 19

Blood Meal

Labs Reporting: 49

Test Material Code # 201841

Issue Date : 03/31/2018

Method Code	Analyte and Method	Total # Labs Submitting	# Labs used in Precision Calcs	Precision Mean	Precision SD	Between Labs sL	Within Labs sr	Reproducibility sR	Between Labs %RSD	Within Labs %rsd	Reproducibility %RSD	sR/sr
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	13	10	9.7244	0.28738	0.20710	0.02869	0.20908	2.12%	0.293%	2.14%	7.2877
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	41	36	93.593	0.53093	0.44889	0.25978	0.51864	0.48%	0.277%	0.55%	1.9964
005.00	Ash, 2h @ 600°C (%)	32	30	1.7676	0.07851	0.04268	0.05299	0.06804	2.43%	3.015%	3.87%	1.2840
011.01	Loss on Drying, 135°C 2hr (%)	20	17	10.099	0.18269	0.18191	0.06176	0.19211	1.80%	0.611%	1.90%	3.1104
013.02	Fat, Acid Pretreat, Mojonner, Bak Ext (%)	13	11	1.1908	0.16758	0.17235	0.03839	0.17657	14.54%	3.240%	14.90%	4.5990
019.41	Calcium, ICP, Dry ash (%)	9	9	0.05052	0.00816	0.00773	0.00371	0.00857	15.30%	7.334%	16.96%	2.3129
019.43	Calcium, ICP, Microwave (%)	10	9	0.05614	0.04930	0.00698	0.00372	0.00791	17.16%	9.141%	19.44%	2.1269
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	9	8	6.6429	7.8423		1.0961			27.142%		
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	10	8	2,497.8	165.31	174.07	35.074	177.57	6.95%	1.401%	7.09%	5.0627
025.43	Iron, ICP, Microwave (mg / kg (ppm))	10	10	2,596.8	166.18	147.75	107.57	182.76	5.69%	4.142%	7.04%	1.6990
027.41	Magnesium, ICP, Dry ash (%)	9	8	0.01353	0.00147	0.00063	0.00041	0.00075	4.48%	2.935%	5.35%	1.8235
027.43	Magnesium, ICP, Microwave (%)	11	9	0.01281	0.00215	0.00207	0.00015	0.00208	16.56%	1.160%	16.60%	14.304
031.41	Phosphorus, ICP, Dry ash (%)	8	8	0.16257	0.01152	0.01124	0.00360	0.01180	6.91%	2.213%	7.26%	3.2787
031.43	Phosphorus, ICP, Microwave (%)	11	11	0.16520	0.00857	0.00784	0.00492	0.00925	4.74%	2.976%	5.60%	1.8817
032.41	Potassium, ICP, Dry ash (%)	9	9	0.34542	0.03339	0.03048	0.01929	0.03607	8.82%	5.585%	10.44%	1.8699
032.43	Potassium, ICP, Microwave (%)	11	11	0.39463	0.02643	0.02468	0.01340	0.02808	6.25%	3.396%	7.12%	2.0952
035.41	Sodium, ICP, Dry ash (%)	9	9	0.19385	0.01089	0.00874	0.00919	0.01268	4.51%	4.742%	6.54%	1.3796
035.43	Sodium, ICP, Microwave (%)	8	8	0.18925	0.01084	0.01044	0.00410	0.01122	5.52%	2.164%	5.93%	2.7390
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	10	9	20.417	2.1102	2.0821	0.48568	2.1380	10.20%	2.379%	10.47%	4.4021

Notes: Precision Calculations provided for methods with 8 or more labs used in calculations.