

Pet Food Scheme
Sweet Potato Powder
Test Material Code # 201842

Method Summary Report
(Precision Report Follows)

Methods Reported: 237
Labs Reporting: 53
Issue Date : 06/30/2018

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	7.9875	0.20572	7.9875	0.20572	0.14847	2.58%	0.06367	2.93%
001.03	Loss on Drying, Low temp. methods (%)	2	2	7.7475	1.1844						
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	9	9	7.9605	0.23285	7.9605	0.26405	0.11002	3.32%	0.23396	2.93%
001.99	Loss on Drying, Miscellaneous (%)	7	6	7.8480	0.60628	7.8480	0.68753	0.35085	8.76%	0.06967	2.93%
002.00	Protein, Crude, Crude (%)	1	1	6.6200							
002.01	Protein, Crude, Auto Kjeld-Foss (%)	4	4	5.4336	0.35354	5.4336	0.35354	0.22096	6.51%	0.04775	3.10%
002.04	Protein, Crude, Copper Catalyst (%)	2	2	5.6225	0.18031						
002.05	Protein, Crude, Copper, Boric Acid (%)	2	2	5.1658	0.03429						
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	39	38	5.2368	0.21555	5.2342	0.23914	0.04849	4.57%	0.09692	3.12%
002.08	Protein, Crude, Cu/Ti (%)	1	1	5.1400							
002.10	Protein, Crude, Block dig/distillation (%)	1	1	5.1300							
002.99	Protein, Crude, Miscellaneous (%)	1	1	5.5550							
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	1	1	0.12800							
003.01	Fat, Crude, Diethyl Ether Ext (13th ed.), Indirect (%)	1	1	0.91000							
003.06	Fat, Crude, Pet Ether (%)	5	3	0.22500	0.16117	0.22500	0.16117	0.11631	71.63%	0.05667	5.01%
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	3	3	0.41350	0.08782	0.41350	0.08782	0.06338	21.24%	0.05660	4.57%
003.10	Fat, Crude, Randall, Pet Ether (%)	9	7	0.16300	0.10233	0.15093	0.08637	0.04081	57.23%	0.04800	5.32%
003.12	Fat, Crude, Hexane Ext (%)	1	1	0.07500							
003.13	Fat, Crude, Randall, Hexane Ext. (%)	2	2	0.60500	0.60104						
003.14	Fat, Crude, Ankom (%)	7	7	0.35811	0.29807	0.34832	0.31540	0.14901	90.55%	0.07223	4.69%
003.99	Fat, Crude, Miscellaneous (%)	2	2	1.5825	0.39952						
004.00	Fiber, Crude, Asbestos Free (%)	7	7	2.5904	0.20417	2.5904	0.23152	0.10938	8.94%	0.05079	3.47%
004.03	Fiber, Crude, Fritted Glass (%)	1	1	1.5350							
004.06	Fiber, Crude, Fibertec (%)	4	4	2.9166	0.43470	2.9166	0.43470	0.27169	14.90%	0.20225	3.40%
004.07	Fiber, Crude, ANKOM (%)	14	14	2.4684	0.39514	2.4830	0.38027	0.12704	15.31%	0.14774	3.49%
004.99	Fiber, Crude, Miscellaneous (%)	1	1	2.3000							
005.00	Ash, 2h @ 600°C (%)	31	30	4.6013	0.16141	4.5986	0.14484	0.03305	3.15%	0.09169	3.18%
005.03	Ash, Microwave furnace (%)	1	1	4.7150							
005.05	Ash, 3h @ 550°C (%)	5	5	4.5040	0.09959	4.5040	0.09959	0.05567	2.21%	0.10800	3.19%
005.99	Ash, Miscellaneous (%)	4	4	4.8033	0.19786	4.8033	0.19786	0.12366	4.12%	0.11480	3.16%
006.00	Total Sugars, As sucrose (%)	1	1	30.220							
006.99	Total Sugars, Miscellaneous (%)	2	2	33.408	2.0400						

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008.02	Fiber, Acid Detergent, Crucible (%)	5	5	5.1137	0.85671	5.1137	0.85671	0.47892	16.75%	0.27726	3.13%
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	6	6	4.6418	1.4619	4.6243	1.6170	0.82515	34.97%	0.18980	3.18%
009.04	Fiber, Neutral Detergent, Neutral Det-No ENZ Pretreat (%)	1	1	4.9550							
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat (%)	4	4	6.6445	1.7820	6.6445	1.7820	1.1138	26.82%	0.16305	3.01%
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	6	6	6.2302	2.7624	6.2163	3.1005	1.5822	49.88%	0.15218	3.04%
010.99	Moisture, Miscellaneous (%)	6	6	8.5159	0.68567	8.5159	0.77755	0.39679	9.13%	0.19597	2.90%
011.01	Loss on Drying, 135°C 2hr (%)	21	21	10.197	0.97959	10.240	0.77329	0.21093	7.55%	0.19005	2.82%
011.02	Loss on Drying, 130°C for 2 hours (%)	2	2	10.630	0.59397						
012.00	Starch, Polarimetric (Ewers) (%)	2	2	33.825	0.60104						
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	2	2	46.958	17.972						
012.03	Starch, Enzymatic-Colorimetric Method, Miscellaneous (%)	3	3	47.603	15.203	47.603	15.203	10.972	31.94%	0.88667	1.45%
012.04	Starch, Enzymatic-Enzyme Membrane Technology (YSI) (%)	1	1	33.350							
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	5	5	0.56635	0.32777	0.56635	0.32777	0.18323	57.87%	0.07678	4.36%
013.02	Fat, Acid Pretreat, Mojonier, Bak Ext (%)	12	12	0.68565	0.13444	0.68565	0.15246	0.05501	22.24%	0.09602	4.23%
013.10	Fat, Acid Pretreat, Soxtec-Acid Hydrolysis (%)	5	4	0.35125	0.16007	0.35125	0.16007	0.10004	45.57%	0.07750	4.68%
013.13	Fat, Acid Pretreat, Ankom- Acid Hydrolysis (%)	1	1	0.54310							
014.99	Fiber, Total Dietary, Miscellaneous (%)	1	1	8.8000							
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	1	1	0.49200							
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	1	1	9.0000							
017.43	Boron, ICP, Microwave (mg / kg (ppm))	1	1	2.0000							
019.00	Calcium, Ox-Mn04 Vol. (%)	1	1	0.07400							
019.31	Calcium, AAS, Dry ash (%)	2	2	0.07698	0.02542						
019.32	Calcium, AAS, Open vessel (%)	1	1	0.12110							
019.33	Calcium, AAS, Microwave (%)	1	1	0.08150							
019.41	Calcium, ICP, Dry ash (%)	9	8	0.08239	0.00807	0.08239	0.00915	0.00404	11.10%	0.00114	5.82%
019.42	Calcium, ICP, Open vessel (%)	3	3	0.10548	0.00953	0.10548	0.00953	0.00688	9.03%	0.00817	5.61%
019.43	Calcium, ICP, Microwave (%)	11	11	0.10285	0.00732	0.10291	0.00818	0.00308	7.95%	0.00250	5.63%
019.44	Calcium, ICP, Dry ash (%)	2	2	0.08000	0.00000						
019.52	Calcium, ICP-MS, Open vessel (%)	1	1	1.1100							
019.53	Calcium, ICP-MS, Microwave (%)	1	1	0.11350							
019.99	Calcium, Miscellaneous (%)	3	3	0.09383	0.02508	0.09383	0.02508	0.02217	26.73%	0.00033	5.71%
021.31	Cobalt, AAS, Dry ash (mg / kg (ppm))	1		0.75000							
021.41	Cobalt, ICP, Dry ash (mg / kg (ppm))	1		0.05000							
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	1	1	0.07000							
021.53	Cobalt, ICP-MS, Microwave (mg / kg (ppm))	1	1	0.00930							
022.32	Copper, AAS, Open vessel (mg / kg (ppm))	1	1	3.2900							
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	8	6	1.3171	0.55079	1.3320	0.58959	0.30087	44.26%	0.40023	15.32%
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	3	2	3.7668	0.31714	3.7668	0.31714			0.23750	13.10%
022.43	Copper, ICP, Microwave (mg / kg (ppm))	6	6	5.0592	3.4730	4.3146	2.0453	1.0437	47.40%	0.52733	12.84%
022.53	Copper, ICP-MS, Microwave (mg / kg (ppm))	1	1	3.8300							

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022.99	Copper, Miscellaneous (mg / kg (ppm))	1	1	3.0000							
025.32	Iron, AAS, Open vessel (mg / kg (ppm))	1	1	14.940							
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	9	9	12.412	12.298	9.1829	3.6573	1.5239	39.83%	1.9195	11.46%
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	3	2	16.420	2.6799	16.420	2.6799			0.65000	10.50%
025.43	Iron, ICP, Microwave (mg / kg (ppm))	6	6	29.289	22.031	28.196	22.395	11.429	79.43%	2.8817	9.68%
025.52	Iron, ICP-MS, Open vessel (mg / kg (ppm))	1	1	14.880							
025.53	Iron, ICP-MS, Microwave (mg / kg (ppm))	1	1	14.650							
025.99	Iron, Miscellaneous (mg / kg (ppm))	1	1	16.500							
027.31	Magnesium, AAS, Dry ash (%)	2	2	0.02850	0.01344						
027.32	Magnesium, AAS, Open vessel (%)	1	1	0.04340							
027.33	Magnesium, AAS, Microwave (%)	1	1	0.04330							
027.41	Magnesium, ICP, Dry ash (%)	11	10	0.03393	0.00996	0.03358	0.01051	0.00416	31.30%	0.00093	6.67%
027.42	Magnesium, ICP, Open vessel (%)	3	3	0.04840	0.00414	0.04840	0.00414	0.00366	8.55%	0.00113	6.31%
027.43	Magnesium, ICP, Microwave (%)	11	11	0.05160	0.00273	0.05160	0.00309	0.00117	5.99%	0.00083	6.25%
027.44	Magnesium, ICP, Dry ash (%)	2	2	0.03150	0.00141						
027.52	Magnesium, ICP-MS, Open vessel (%)	1	1	0.05300							
027.53	Magnesium, ICP-MS, Microwave (%)	1	1	0.05260							
027.99	Magnesium, Miscellaneous (%)	1	1	0.05000							
028.32	Manganese, AAS, Open vessel (mg / kg (ppm))	1	1	6.6925							
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	10	10	3.3643	0.98156	3.3643	1.1131	0.43999	33.09%	0.35816	13.33%
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	3	2	7.0515	0.32739	7.0515	0.32739			0.18500	11.92%
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	10	9	7.4292	0.71228	7.3555	0.62427	0.26011	8.49%	0.38486	11.85%
028.52	Manganese, ICP-MS, Open vessel (mg / kg (ppm))	1	1	7.1650							
028.53	Manganese, ICP-MS, Microwave (mg / kg (ppm))	2	2	6.9350	0.26870						
028.99	Manganese, Miscellaneous (mg / kg (ppm))	1	1	8.0000							
031.01	Phosphorus, Photometric (%)	5	5	0.07680	0.00785	0.07680	0.00785	0.00439	10.22%	0.00360	5.89%
031.03	Phosphorus, Autoanalyzer (%)	1	1	0.07000							
031.41	Phosphorus, ICP, Dry ash (%)	9	9	0.08113	0.00820	0.08082	0.00859	0.00358	10.62%	0.00153	5.84%
031.42	Phosphorus, ICP, Open vessel (%)	3	3	0.08527	0.00777	0.08527	0.00777	0.00687	9.11%	0.00313	5.79%
031.43	Phosphorus, ICP, Microwave (%)	11	11	0.09093	0.00487	0.09080	0.00525	0.00198	5.78%	0.00222	5.74%
031.44	Phosphorus, ICP, Dry ash (%)	1	1	0.07500							
031.53	Phosphorus, ICP-MS, Microwave (%)	2	2	0.09605	0.00318						
031.99	Phosphorus, Miscellaneous (%)	2	2	0.08000	0.00000						
032.02	Potassium, Flame Emission (%)	1	1	0.40000							
032.31	Potassium, AAS, Dry ash (%)	1	1	0.26500							
032.41	Potassium, ICP, Dry ash (%)	10	10	0.29927	0.06170	0.29553	0.06156	0.02433	20.83%	0.01672	4.81%
032.42	Potassium, ICP, Open vessel (%)	3	3	0.41483	0.01052	0.41483	0.01052	0.00759	2.54%	0.01440	4.57%
032.43	Potassium, ICP, Microwave (%)	12	12	0.42263	0.01913	0.42330	0.02017	0.00728	4.77%	0.01746	4.55%
032.44	Potassium, ICP, Dry ash (%)	3	3	0.27667	0.14180	0.27667	0.14180	0.10234	51.25%	0.01333	4.85%
032.53	Potassium, ICP-MS, Microwave (%)	1	1	0.44500							

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032.99	Potassium, Miscellaneous (%)	2	2	0.41975	0.06399						
033.00	Salt as chloride, Sol Cl (%)	2	2	0.22843	0.04020						
033.01	Salt as chloride, Poten Cl (%)	6	6	0.25975	0.01294	0.25975	0.01467	0.00749	5.65%	0.00850	4.90%
033.05	Salt as chloride, Ion Sel Electrode (%)	1	1	0.25000							
034.04	Selenium, AA, Hydride (mg / kg (ppm))	2	1	0.04070							
034.42	Selenium, ICP, Open vessel (mg / kg (ppm))	1		5.0000							
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	2	1	2.4375							
034.52	Selenium, ICP-MS, Open vessel (mg / kg (ppm))	1	1	0.20000							
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	2	1	0.01260							
035.05	Sodium, Flame Emission (%)	1	1	0.23000							
035.31	Sodium, AAS, Dry ash (%)	1	1	0.10400							
035.41	Sodium, ICP, Dry ash (%)	11	10	0.14539	0.04406	0.14546	0.04952	0.01958	34.05%	0.00267	5.35%
035.42	Sodium, ICP, Open vessel (%)	3	3	0.22453	0.00771	0.22453	0.00771	0.00556	3.43%	0.00553	5.01%
035.43	Sodium, ICP, Microwave (%)	8	8	0.22358	0.01624	0.22384	0.01783	0.00788	7.97%	0.01731	5.01%
035.53	Sodium, ICP-MS, Microwave (%)	1	1	0.23450							
035.99	Sodium, Miscellaneous (%)	1	1	0.23000							
036.42	Sulfur, ICP, Open vessel (%)	4	3	0.06527	0.01063	0.06527	0.01063	0.00767	16.29%	0.00053	6.03%
036.43	Sulfur, ICP, Microwave (%)	4	4	0.07971	0.01091	0.07971	0.01091	0.00682	13.69%	0.00443	5.85%
036.53	Sulfur, ICP-MS, Microwave (%)	1	1	0.07545							
037.32	Zinc, AAS, Open vessel (mg / kg (ppm))	1	1	3.7130							
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	7	6	2.1758	0.78859	2.1565	0.84913	0.43332	39.37%	0.32718	14.25%
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	3	2	9.7883	7.0735	9.7883	7.0735			0.90250	11.35%
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	6	6	7.0695	2.2964	7.0695	2.6041	1.3289	36.84%	1.2942	11.92%
037.53	Zinc, ICP-MS, Microwave (mg / kg (ppm))	1	1	5.1250							
037.99	Zinc, Miscellaneous (mg / kg (ppm))	1		1.0000							
038.41	Molybdenum, ICP, Dry ash (mg / kg (ppm))	1	1	0.06450							
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	1	1	0.45000							
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	1	1	0.08470							
102.01	Niacin, Microbiological (mg / kg (ppm))	1	1	13.200							
103.01	Pantothenic Acid, Microbiological (mg / kg (ppm))	1	1	8.6550							
104.00	Riboflavin, Fluorometric (mg / kg (ppm))	1	1	1.0300							
105.01	Thiamine, Fluorometer (mg / kg (ppm))	1	1	2.1700							
106.02	Vitamin A, LC (KU / kg)	2	2	1.2523	1.6444						
109.02	Vitamin E, LC (IU / kg)	2	2	24.238	2.5279						
112.01	Pyridoxine, LC (µg / g)	1	1	3.3050							
113.01	Folic Acid, Micro (mg / kg (ppm))	1	1	0.34150							
114.01	Biotin, Microbiological (mg / kg (ppm))	1	1	0.06255							
120.00	Alanine, Post-col Ninhydrin Der (%)	3	3	0.24417	0.01010	0.24417	0.01010	0.00893	4.14%	0.00340	4.95%
120.05	Alanine, Pre-col AQC Der (%)	2	2	0.24000	0.00707						
120.99	Alanine, Miscellaneous (%)	1	1	0.23900							

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121.00	Arginine, Post-col Ninhydrin Der (%)	3	3	0.18070	0.00121	0.18070	0.00121			0.00000	5.17%
121.05	Arginine, Pre-col AQC Der (%)	2	2	0.19500	0.00707						
121.99	Arginine, Miscellaneous (%)	1	1	0.18800							
122.00	Aspartic, Post-col Ninhydrin Der (%)	3	3	0.98170	0.01152	0.98170	0.01152	0.00831	1.17%	0.01347	4.01%
122.05	Aspartic, Pre-col AQC Der (%)	2	2	0.98800	0.01838						
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin Der (%)	3	2	0.08000	0.01414	0.08000	0.01414			0.00000	5.85%
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	1	1	0.06000							
124.99	Cysteine/Cystine, Miscellaneous (%)	1	1	0.08500							
125.00	Glutamic, Post-col Ninhydrin Der (%)	3	3	0.47693	0.00531	0.47693	0.00531	0.00469	1.11%	0.00020	4.47%
125.05	Glutamic, Pre-col AQC Der (%)	2	2	0.49625	0.03005						
125.99	Glutamic, Miscellaneous (%)	1	1	0.50350							
126.00	Glycine, Post-col Ninhydrin Der (%)	3	3	0.20655	0.00598	0.20655	0.00598	0.00529	2.90%	0.00337	5.07%
126.05	Glycine, Pre-col AQC Der (%)	2	2	0.20850	0.00495						
126.99	Glycine, Miscellaneous (%)	1	1	0.20800							
127.00	Histidine, Post-col Ninhydrin Der (%)	3	2	0.09000	0.00000	0.09000	0.00000			0.00000	5.75%
127.05	Histidine, Pre-col AQC Der (%)	2	2	0.11300	0.03960						
127.99	Histidine, Miscellaneous (%)	1	1	0.09300							
128.00	Isoleucine, Post-col Ninhydrin Der (%)	3	3	0.20695	0.02472	0.20695	0.02472	0.02185	11.94%	0.00023	5.07%
128.05	Isoleucine, Pre-col AQC Der (%)	2	2	0.20775	0.01096						
128.99	Isoleucine, Miscellaneous (%)	1	1	0.21600							
129.00	Leucine, Post-col Ninhydrin Der (%)	3	3	0.30728	0.02419	0.30728	0.02419	0.02138	7.87%	0.00577	4.78%
129.05	Leucine, Pre-col AQC Der (%)	2	2	0.31725	0.01025						
129.99	Leucine, Miscellaneous (%)	1	1	0.31600							
130.00	L-Lysine, Post-col Ninhydrin Der (%)	3	3	0.15315	0.01498	0.15315	0.01498	0.01324	9.78%	0.00190	5.30%
130.05	L-Lysine, Pre-col AQC Der (%)	2	2	0.15025	0.02157						
130.99	L-Lysine, Miscellaneous (%)	1	1	0.14300							
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	3	2	0.10000	0.00707	0.10000	0.00707			0.01000	5.66%
131.05	Methionine, PAO Pre-col AQC Der (%)	1	1	0.10000							
131.99	Methionine, Miscellaneous (%)	1	1	0.09100							
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	3	3	0.27738	0.01411	0.27738	0.01411	0.01247	5.09%	0.00197	4.85%
132.05	Phenylalanine, Pre-col AQC Der (%)	2	2	0.27500	0.00000						
132.99	Phenylalanine, Miscellaneous (%)	1	1	0.27800							
133.00	Proline, Post-col Ninhydrin Der (%)	3	3	0.17765	0.02584	0.17765	0.02584	0.01865	14.55%	0.00597	5.19%
133.05	Proline, Pre-col AQC Der (%)	2	2	0.19550	0.01485						
133.99	Proline, Miscellaneous (%)	1	1	0.23400							
134.00	Serine, Post-col Ninhydrin Der (%)	3	3	0.26307	0.00756	0.26307	0.00756	0.00546	2.87%	0.00400	4.89%
134.05	Serine, Pre-col AQC Der (%)	2	2	0.27100	0.00141						
134.99	Serine, Miscellaneous (%)	1	1	0.25400							
135.00	Threonine, Post-col Ninhydrin Der (%)	3	3	0.24527	0.00820	0.24527	0.00820	0.00725	3.34%	0.00333	4.94%
135.05	Threonine, Pre-col AQC Der (%)	2	2	0.21950	0.02899						

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
135.99	Threonine, Miscellaneous (%)	1	1	0.24000							
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	2	1	0.07000							
136.99	Tryptophan, Miscellaneous (%)	1	1	0.08000							
137.00	Tyrosine, Post-col Ninhydrin Der (%)	3	2	0.13750	0.01768	0.13750	0.01768			0.00500	5.39%
137.05	Tyrosine, Pre-col AQC Der (%)	2	2	0.17850	0.01626						
137.99	Tyrosine, Miscellaneous (%)	1	1	0.13300							
138.00	Valine, Post-col Ninhydrin Der (%)	3	3	0.30032	0.02592	0.30032	0.02592	0.02291	8.63%	0.00070	4.79%
138.05	Valine, Pre-col AQC Der (%)	2	2	0.30900	0.01273						
138.99	Valine, Miscellaneous (%)	1	1	0.30900							
139.00	Taurine, Post-col Ninhydrin Der (%)	1	1	0.16500							
139.99	Taurine, Miscellaneous (%)	1	1	0.20400							
160.99	Fructose, Miscellaneous (%)	4	4	2.6180	0.19752	2.6180	0.19752	0.12345	7.54%	0.07750	3.46%
162.99	Glucose, Miscellaneous (%)	4	4	19.568	1.0693	19.568	1.0693	0.66831	5.46%	0.19275	2.26%
163.99	Lactose, Miscellaneous (%)	2		0.00000							
164.99	Maltose, Miscellaneous (%)	2	2	8.7635	1.0303						
165.99	Sucrose, Miscellaneous (%)	4	3	4.0550	0.41301	4.0550	0.41301	0.29806	10.19%	0.03000	3.24%
166.99	Raffinose, Miscellaneous (%)	1		0.00000							
167.99	Stachyose, Miscellaneous (%)	1		0.00000							
400.01	Water Activity, Aqualab chilled mirror (Units)	2	2	0.45148	0.00711						
400.99	Water Activity, Miscellaneous (Units)	1	1	0.44600							
516.00	Arsenic, Total, AA, Hydride (mg / kg (ppm))	1		0.05000							
516.43	Arsenic, Total, ICP, Microwave (mg / kg (ppm))	1		0.89000							
516.53	Arsenic, Total, ICP-MS, Microwave (mg / kg (ppm))	4	3	0.01227	0.00040	0.01227	0.00040	0.00035	3.26%	0.00073	22.00%
518.41	Cadmium, ICP, Dry ash (mg / kg (ppm))	1		0.05000							
518.43	Cadmium, ICP, Microwave (mg / kg (ppm))	1	1	0.03000							
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	3	1								
520.41	Chromium, ICP, Dry ash (mg / kg (ppm))	1		0.05000							
520.43	Chromium, ICP, Microwave (mg / kg (ppm))	1	1	0.09000							
520.53	Chromium, ICP-MS, Microwave (mg / kg (ppm))	1	1	0.05735							
526.41	Lead, ICP, Dry ash (mg / kg (ppm))	1		0.05000							
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	4	4	0.06995	0.00652	0.06995	0.00652	0.00408	9.32%	0.00570	22.00%
529.99	Mercury, Miscellaneous (µg / kg (ppb))	1		5.0000							
539.41	Nickel, ICP, Dry ash (mg / kg (ppm))	1	1	0.08300							
710.99	Lauric Acid (12:0), Miscellaneous (%) (w/w)	2	1	0.00550							
714.99	Myristic Acid (14:0), Miscellaneous (%) (w/w)	1		0.01000							
718.99	Palmitoleic Acid (9c-16:1), Miscellaneous (%) (w/w)	2		0.00050							
724.99	Oleic Acid (9c-18:1), Miscellaneous (%) (w/w)	1		0.01000							
726.99	Linoleic Acid (9c,12c-18:2), Miscellaneous (%) (w/w)	1	1	0.22250							
728.99	alpha-Linolenic Acid (9c,12c,15c-18:3), Miscellaneous (%) (w/w)	1	1	0.03600							
736.99	Arachidonic Acid (5c,8c,11c,14c-20:4), Miscellaneous (%) (w/w)	1		0.00000							

Test Material Code # 201842

Issue Date : 06/30/2018

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
740.99	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5), Miscellaneous (% (w/w)	2		0.00000							
746.99	Docosapentaenoic Acid n-3 DPA (7c,10c,13c,16c,19c-22:5), Miscellaneous (%)	1		0.00000							
750.99	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-22:6), Miscellaneous (%)	2		0.00000							
754.99	Total n-3 Polyunsaturated (Omega-3) Fatty Acids, Miscellaneous (% (w/w))	1	1	0.04000							
756.99	Total n-6 Polyunsaturated (Omega-6) Fatty Acids, Miscellaneous (% (w/w))	1	1	0.22000							

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
Sweet Potato Powder
Test Material Code # 201842

Method Precision Report

Methods Reported: 18
Labs Reporting: 53
Issue Date : 06/30/2018

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 (%)	9	8	7.9605	0.23285	0.20142	0.15606	0.25480	2.54%	1.968%	3.21%	1.6327
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	39	38	5.2368	0.21555	0.20505	0.09400	0.22557	3.92%	1.795%	4.31%	2.3997
004.07	Fiber, Crude, ANKOM (%)	14	14	2.4684	0.39514	0.38438	0.12950	0.40561	15.57%	5.246%	16.43%	3.1321
005.00	Ash, 2h @ 600°C (%)	31	27	4.6013	0.16141	0.11228	0.07567	0.13540	2.44%	1.645%	2.94%	1.7893
011.01	Loss on Drying, 135°C 2hr (%)	21	20	10.197	0.97959	0.72477	0.17015	0.74448	7.01%	1.645%	7.20%	4.3755
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	12	12	0.68565	0.13444	0.12149	0.08143	0.14625	17.72%	11.876%	21.33%	1.7961
019.41	Calcium, ICP, Dry ash (%)	9	8	0.08239	0.00807	0.00803	0.00113	0.00811	9.74%	1.377%	9.84%	7.1432
019.43	Calcium, ICP, Microwave (%)	11	10	0.10285	0.00732	0.00712	0.00168	0.00731	6.87%	1.624%	7.06%	4.3449
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	9	8	12.412	12.298	2.4377	2.0803	3.2048	28.99%	24.736%	38.11%	1.5405
027.41	Magnesium, ICP, Dry ash (%)	11	9	0.03393	0.00996	0.01009	0.00067	0.01011	28.95%	1.924%	29.01%	15.081
027.43	Magnesium, ICP, Microwave (%)	11	11	0.05160	0.00273	0.00268	0.00070	0.00277	5.20%	1.351%	5.37%	3.9764
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	10	10	3.3643	0.98156	0.94594	0.37053	1.0159	28.12%	11.014%	30.20%	2.7418
031.41	Phosphorus, ICP, Dry ash (%)	9	9	0.08113	0.00820	0.00814	0.00142	0.00826	10.03%	1.751%	10.18%	5.8133
031.43	Phosphorus, ICP, Microwave (%)	11	11	0.09093	0.00487	0.00455	0.00245	0.00517	5.00%	2.700%	5.68%	2.1051
032.41	Potassium, ICP, Dry ash (%)	10	10	0.29927	0.06170	0.06082	0.01467	0.06256	20.32%	4.903%	20.91%	4.2636
032.43	Potassium, ICP, Microwave (%)	12	11	0.42263	0.01913	0.01826	0.01126	0.02145	4.33%	2.670%	5.08%	1.9045
035.41	Sodium, ICP, Dry ash (%)	11	10	0.14539	0.04406	0.04401	0.00289	0.04411	30.27%	1.988%	30.34%	15.262
035.43	Sodium, ICP, Microwave (%)	8	8	0.22358	0.01624	0.01145	0.01630	0.01992	5.12%	7.291%	8.91%	1.2219

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