



Barley

Pet Food Scheme

# Labs Reporting: 56

Test Material Code # 201744

Method Proficiency Testing Report

Issue Date : 01/31/2018

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0309	10.915	0.05000				3			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0027	11.065	0.00500				3			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0504	11.115	0.01000				3			0
001.03	Loss on Drying, Low temp. methods (%)	2124	11.185	0.03000				1			0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0876	9.4700	0.16000	11.009	0.41543	0.19905	11	-3.71	7%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0613	10.000	0.80000	11.009	0.41543	0.19905	11	-2.43	5%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0015	10.915	0.27000	11.009	0.41543	0.19905	11	-0.23	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0003	10.940	0.00000	11.009	0.41543	0.19905	11	-0.17	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0407	10.961	0.02960	11.009	0.41543	0.19905	11	-0.12	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0171	11.005	0.07000	11.009	0.41543	0.19905	11	-0.01	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0065	11.110	0.28000	11.009	0.41543	0.19905	11	0.24	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2156	11.185	0.25000	11.009	0.41543	0.19905	11	0.42	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0019	11.310	0.30000	11.009	0.41543	0.19905	11	0.72	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0098	11.340	0.00000	11.009	0.41543	0.19905	11	0.80	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0529	11.565	0.03000	11.009	0.41543	0.19905	11	1.34	3%	0
001.08	Loss on Drying, 102°C 16 hr, in meat (%)	2165	11.135	0.07000				1			0
001.99	Loss on Drying, Miscellaneous (%)	0676	8.9400	0.16000	10.272	0.85576	0.17700	5			0
001.99	Loss on Drying, Miscellaneous (%)	0034	10.200	0.32000	10.272	0.85576	0.17700	5			0
001.99	Loss on Drying, Miscellaneous (%)	2136	10.365	0.29000	10.272	0.85576	0.17700	5			0
001.99	Loss on Drying, Miscellaneous (%)	0510	10.550	0.10000	10.272	0.85576	0.17700	5			0
001.99	Loss on Drying, Miscellaneous (%)	2115	11.304	0.01500	10.272	0.85576	0.17700	5			0
002.01	Protein, Auto Kjel-Foss (%)	2023	11.635	0.05000				3			0
002.01	Protein, Auto Kjel-Foss (%)	0164	11.830	0.16000				3			0
002.01	Protein, Auto Kjel-Foss (%)	0870	12.027	0.08000				3			0
002.02	Protein, Semiauto Autoanalyzer (%)	0042	11.740	0.28000				1			0
002.04	Protein, Copper Catalyst (%)	0504	11.860	0.02000				2			0
002.04	Protein, Copper Catalyst (%)	2122	12.190	0.00000				2			0
002.05	Protein, Copper, Boric Acid (%)	2058	11.685	0.01000				3			0
002.05	Protein, Copper, Boric Acid (%)	2136	11.750	0.10000				3			0
002.05	Protein, Copper, Boric Acid (%)	2167	11.795	0.11000				3			0
002.05	Protein, Copper, Boric Acid (%)	2115	11.056	0.02100				3			2
002.06	Protein, Combustion Nitrogen Analyzer (%)	0676	10.725	0.23000	11.871	0.21859	0.10895	45	-5.24	5%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2033	11.405	0.03000	11.871	0.21859	0.10895	45	-2.13	2%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
002.06	Protein, Combustion Nitrogen Analyzer (%)	2162	11.425	0.01000	11.871	0.21859	0.10895	45	-2.04	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0529	11.445	0.03000	11.871	0.21859	0.10895	45	-1.95	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0065	11.450	0.07420	11.871	0.21859	0.10895	45	-1.93	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2169	11.481	0.07100	11.871	0.21859	0.10895	45	-1.79	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0417	11.620	0.16000	11.871	0.21859	0.10895	45	-1.15	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2058	11.705	0.05000	11.871	0.21859	0.10895	45	-0.76	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2168	11.710	0.02000	11.871	0.21859	0.10895	45	-0.74	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0650	11.745	0.01000	11.871	0.21859	0.10895	45	-0.58	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0242	11.750	0.00000	11.871	0.21859	0.10895	45	-0.55	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0554	11.755	0.03000	11.871	0.21859	0.10895	45	-0.53	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0202	11.765	0.19000	11.871	0.21859	0.10895	45	-0.49	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0019	11.775	0.01000	11.871	0.21859	0.10895	45	-0.44	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2095	11.775	0.05000	11.871	0.21859	0.10895	45	-0.44	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0051	11.800	0.40000	11.871	0.21859	0.10895	45	-0.33	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2124	11.810	0.02000	11.871	0.21859	0.10895	45	-0.28	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0504	11.830	0.04000	11.871	0.21859	0.10895	45	-0.19	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0015	11.835	0.43000	11.871	0.21859	0.10895	45	-0.17	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0407	11.840	0.00800	11.871	0.21859	0.10895	45	-0.14	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0309	11.841	0.03300	11.871	0.21859	0.10895	45	-0.14	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0870	11.850	0.17440	11.871	0.21859	0.10895	45	-0.10	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2156	11.860	0.02000	11.871	0.21859	0.10895	45	-0.05	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0034	11.869	0.05200	11.871	0.21859	0.10895	45	-0.01	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0164	11.870	0.06000	11.871	0.21859	0.10895	45	-0.01	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0003	11.895	0.07000	11.871	0.21859	0.10895	45	0.11	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0171	11.920	0.00000	11.871	0.21859	0.10895	45	0.22	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2050	11.930	0.06000	11.871	0.21859	0.10895	45	0.27	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0957	11.940	0.54000	11.871	0.21859	0.10895	45	0.31	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2016	11.960	0.10000	11.871	0.21859	0.10895	45	0.41	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0964	11.992	0.13000	11.871	0.21859	0.10895	45	0.55	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2023	12.000	0.00000	11.871	0.21859	0.10895	45	0.59	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0613	12.015	0.01000	11.871	0.21859	0.10895	45	0.66	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0042	12.035	0.05000	11.871	0.21859	0.10895	45	0.75	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2089	12.035	0.11000	11.871	0.21859	0.10895	45	0.75	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0208	12.050	0.50000	11.871	0.21859	0.10895	45	0.82	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0508	12.060	0.01000	11.871	0.21859	0.10895	45	0.86	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0553	12.065	0.07000	11.871	0.21859	0.10895	45	0.89	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0876	12.090	0.66000	11.871	0.21859	0.10895	45	1.00	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0098	12.100	0.20000	11.871	0.21859	0.10895	45	1.05	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0001	12.100	0.06000	11.871	0.21859	0.10895	45	1.05	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2165	12.175	0.07000	11.871	0.21859	0.10895	45	1.39	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0511	12.180	0.02000	11.871	0.21859	0.10895	45	1.41	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
002.06	Protein, Combustion Nitrogen Analyzer (%)	0510	12.200	0.00000	11.871	0.21859	0.10895	45	1.50	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0808	12.330	0.04000	11.871	0.21859	0.10895	45	2.10	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0047	12.550	1.1000	11.871	0.21859	0.10895	45	3.11	3%	1
002.08	Protein, Cu/Ti (%)	0098	12.075	0.01000				1			0
002.11	Protein, NIR (%)	0613	11.310	0.58000				1			0
002.99	Protein, Miscellaneous (%)	0970	11.600	0.00000				3			0
002.99	Protein, Miscellaneous (%)	2004	11.950	0.10000				3			0
002.99	Protein, Miscellaneous (%)	0969	12.100	0.00000				3			0
003.00	Fat, Eth Ext., Direct (%)	2115	1.4685	0.02700				3			0
003.00	Fat, Eth Ext., Direct (%)	0309	1.7621	0.03580				3			0
003.00	Fat, Eth Ext., Direct (%)	2033	2.8800	0.00000				3			0
003.01	Fat, Ind Eth Ext (13th ed.), Indirect (%)	0504	1.2600	0.06000				2			0
003.01	Fat, Ind Eth Ext (13th ed.), Indirect (%)	0554	1.5800	0.08000				2			0
003.06	Fat, Pet Ether (%)	0511	1.5900	0.08000				2			0
003.06	Fat, Pet Ether (%)	0164	1.8150	0.11000				2			0
003.09	Fat, Soxtec, Eth Ext (%)	0098	1.5900	0.06000				3			0
003.09	Fat, Soxtec, Eth Ext (%)	0027	1.6620	0.03200				3			0
003.09	Fat, Soxtec, Eth Ext (%)	0510	1.7000	0.00000				3			0
003.10	Fat, Soxtec, Pet Ether (%)	2165	1.2900	0.00000	1.5252	0.11440	0.07784	9	-2.06	8%	0
003.10	Fat, Soxtec, Pet Ether (%)	0051	1.4500	0.10000	1.5252	0.11440	0.07784	9	-0.66	2%	0
003.10	Fat, Soxtec, Pet Ether (%)	0553	1.4600	0.06000	1.5252	0.11440	0.07784	9	-0.57	2%	0
003.10	Fat, Soxtec, Pet Ether (%)	2136	1.5050	0.09000	1.5252	0.11440	0.07784	9	-0.18	1%	0
003.10	Fat, Soxtec, Pet Ether (%)	2162	1.5350	0.21000	1.5252	0.11440	0.07784	9	0.09	0%	0
003.10	Fat, Soxtec, Pet Ether (%)	0242	1.5400	0.08000	1.5252	0.11440	0.07784	9	0.13	0%	0
003.10	Fat, Soxtec, Pet Ether (%)	0870	1.5485	0.03060	1.5252	0.11440	0.07784	9	0.20	1%	0
003.10	Fat, Soxtec, Pet Ether (%)	0098	1.6550	0.05000	1.5252	0.11440	0.07784	9	1.13	4%	0
003.10	Fat, Soxtec, Pet Ether (%)	0676	1.6800	0.08000	1.5252	0.11440	0.07784	9	1.35	5%	0
003.11	Fat, NIR (%)	0613	1.5100	0.02000				1			0
003.12	Fat, Hexane Ext (%)	0171	1.7300	0.02000				1			0
003.13	Fat, Soxtec, Hexane Ext. (%)	2089	1.3400	0.16000				2			0
003.13	Fat, Soxtec, Hexane Ext. (%)	0098	1.7450	0.21000				2			0
003.14	Fat, Ankom (%)	0876	1.1400	0.02000	1.5289	0.33433	0.07934	10	-1.16	13%	0
003.14	Fat, Ankom (%)	0613	1.1600	0.12000	1.5289	0.33433	0.07934	10	-1.10	12%	0
003.14	Fat, Ankom (%)	0034	1.3500	0.10000	1.5289	0.33433	0.07934	10	-0.53	6%	0
003.14	Fat, Ankom (%)	0019	1.4650	0.03000	1.5289	0.33433	0.07934	10	-0.19	2%	0
003.14	Fat, Ankom (%)	2115	1.4730	0.00400	1.5289	0.33433	0.07934	10	-0.17	2%	0
003.14	Fat, Ankom (%)	0202	1.5500	0.06000	1.5289	0.33433	0.07934	10	0.06	1%	0
003.14	Fat, Ankom (%)	0529	1.5500	0.02000	1.5289	0.33433	0.07934	10	0.06	1%	0
003.14	Fat, Ankom (%)	0407	1.5952	0.19940	1.5289	0.33433	0.07934	10	0.20	2%	0
003.14	Fat, Ankom (%)	0015	1.9750	0.07000	1.5289	0.33433	0.07934	10	1.33	15%	0
003.14	Fat, Ankom (%)	2023	2.3650	0.17000	1.5289	0.33433	0.07934	10	2.50	27%	0

Test Material Code # 201744

Method Proficiency Testing Report

Issue Date : 01/31/2018

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
003.99	Fat, Miscellaneous (%)	0047	1.7000	0.00000				1			0
004.00	Fiber, Crude, Asbestos Free (%)	0969	0.86000	0.02000	1.0769	0.08574	0.05009	10	-2.53	10%	0
004.00	Fiber, Crude, Asbestos Free (%)	2004	0.97800	0.03400	1.0769	0.08574	0.05009	10	-1.15	5%	0
004.00	Fiber, Crude, Asbestos Free (%)	0164	1.0500	0.10000	1.0769	0.08574	0.05009	10	-0.31	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	0504	1.0600	0.08000	1.0769	0.08574	0.05009	10	-0.20	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	2167	1.0650	0.05000	1.0769	0.08574	0.05009	10	-0.14	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	0171	1.0900	0.08000	1.0769	0.08574	0.05009	10	0.15	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	0511	1.1000	0.00000	1.0769	0.08574	0.05009	10	0.27	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	2023	1.1300	0.06000	1.0769	0.08574	0.05009	10	0.62	2%	0
004.00	Fiber, Crude, Asbestos Free (%)	0309	1.1420	0.02690	1.0769	0.08574	0.05009	10	0.76	3%	0
004.00	Fiber, Crude, Asbestos Free (%)	0208	1.6950	0.05000	1.0769	0.08574	0.05009	10	7.21	29%	0
004.03	Fiber, Fritted Glass (%)	2089	0.99000	0.00000				3			0
004.03	Fiber, Fritted Glass (%)	2058	1.0850	0.07000				3			0
004.03	Fiber, Fritted Glass (%)	2033	1.2000	0.00000				3			0
004.06	Fiber, Fibertec (%)	0098	1.1800	0.10000	1.3436	0.19438	0.09625	4			0
004.06	Fiber, Fibertec (%)	2115	1.2230	0.03600	1.3436	0.19438	0.09625	4			0
004.06	Fiber, Fibertec (%)	0676	1.3600	0.20000	1.3436	0.19438	0.09625	4			0
004.06	Fiber, Fibertec (%)	0027	1.6115	0.04900	1.3436	0.19438	0.09625	4			0
004.07	Fiber, ANKOM (%)	2058	0.89000	0.08000	1.1499	0.19373	0.17072	17	-1.34	11%	0
004.07	Fiber, ANKOM (%)	0003	0.90500	0.37000	1.1499	0.19373	0.17072	17	-1.26	11%	0
004.07	Fiber, ANKOM (%)	0098	0.96500	0.63000	1.1499	0.19373	0.17072	17	-0.95	8%	0
004.07	Fiber, ANKOM (%)	0553	1.0050	0.05000	1.1499	0.19373	0.17072	17	-0.75	6%	0
004.07	Fiber, ANKOM (%)	0510	1.0500	0.10000	1.1499	0.19373	0.17072	17	-0.52	4%	0
004.07	Fiber, ANKOM (%)	0876	1.0850	0.01000	1.1499	0.19373	0.17072	17	-0.34	3%	0
004.07	Fiber, ANKOM (%)	0529	1.1050	0.03000	1.1499	0.19373	0.17072	17	-0.23	2%	0
004.07	Fiber, ANKOM (%)	2115	1.1235	0.04300	1.1499	0.19373	0.17072	17	-0.14	1%	0
004.07	Fiber, ANKOM (%)	0242	1.1500	0.16000	1.1499	0.19373	0.17072	17	0.00	0%	0
004.07	Fiber, ANKOM (%)	0870	1.1546	0.07830	1.1499	0.19373	0.17072	17	0.02	0%	0
004.07	Fiber, ANKOM (%)	0042	1.1650	0.01000	1.1499	0.19373	0.17072	17	0.08	1%	0
004.07	Fiber, ANKOM (%)	0019	1.1800	0.06000	1.1499	0.19373	0.17072	17	0.16	1%	0
004.07	Fiber, ANKOM (%)	0034	1.1950	0.11000	1.1499	0.19373	0.17072	17	0.23	2%	0
004.07	Fiber, ANKOM (%)	0613	1.2550	0.55000	1.1499	0.19373	0.17072	17	0.54	5%	0
004.07	Fiber, ANKOM (%)	2124	1.4400	0.10000	1.1499	0.19373	0.17072	17	1.50	13%	0
004.07	Fiber, ANKOM (%)	0202	1.5450	0.49000	1.1499	0.19373	0.17072	17	2.04	17%	0
004.07	Fiber, ANKOM (%)	0407	3.0987	0.03090	1.1499	0.19373	0.17072	17	10.06	85%	0
004.11	Fiber, NIR (%)	0613	2.8550	0.01000				1			0
004.99	Fiber, Miscellaneous (%)	2165	0.95000	0.00000				1			0
005.00	Ash, 2h @ 600°C (%)	2016	1.2350	0.21000	1.3800	0.05089	0.05556	29	-2.85	5%	0
005.00	Ash, 2h @ 600°C (%)	0098	1.2500	0.00000	1.3800	0.05089	0.05556	29	-2.55	5%	0
005.00	Ash, 2h @ 600°C (%)	0876	1.2850	0.05000	1.3800	0.05089	0.05556	29	-1.87	3%	0
005.00	Ash, 2h @ 600°C (%)	0001	1.3242	0.03280	1.3800	0.05089	0.05556	29	-1.10	2%	0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
005.00	Ash, 2h @ 600°C (%)	0171	1.3300	0.02000	1.3800	0.05089	0.05556	29	-0.98	2%	0
005.00	Ash, 2h @ 600°C (%)	0309	1.3350	0.00200	1.3800	0.05089	0.05556	29	-0.88	2%	0
005.00	Ash, 2h @ 600°C (%)	0964	1.3355	0.00100	1.3800	0.05089	0.05556	29	-0.87	2%	0
005.00	Ash, 2h @ 600°C (%)	2162	1.3500	0.02000	1.3800	0.05089	0.05556	29	-0.59	1%	0
005.00	Ash, 2h @ 600°C (%)	0957	1.3600	0.26000	1.3800	0.05089	0.05556	29	-0.39	1%	0
005.00	Ash, 2h @ 600°C (%)	0164	1.3650	0.09000	1.3800	0.05089	0.05556	29	-0.29	1%	0
005.00	Ash, 2h @ 600°C (%)	2124	1.3650	0.01000	1.3800	0.05089	0.05556	29	-0.29	1%	0
005.00	Ash, 2h @ 600°C (%)	0650	1.3700	0.14000	1.3800	0.05089	0.05556	29	-0.20	0%	0
005.00	Ash, 2h @ 600°C (%)	0242	1.3750	0.03000	1.3800	0.05089	0.05556	29	-0.10	0%	0
005.00	Ash, 2h @ 600°C (%)	0504	1.3750	0.01000	1.3800	0.05089	0.05556	29	-0.10	0%	0
005.00	Ash, 2h @ 600°C (%)	0417	1.3800	0.14000	1.3800	0.05089	0.05556	29	0.00	0%	0
005.00	Ash, 2h @ 600°C (%)	0208	1.3850	0.05000	1.3800	0.05089	0.05556	29	0.10	0%	0
005.00	Ash, 2h @ 600°C (%)	0553	1.3900	0.02000	1.3800	0.05089	0.05556	29	0.20	0%	0
005.00	Ash, 2h @ 600°C (%)	0870	1.3920	0.01530	1.3800	0.05089	0.05556	29	0.23	0%	0
005.00	Ash, 2h @ 600°C (%)	0047	1.4000	0.00000	1.3800	0.05089	0.05556	29	0.39	1%	0
005.00	Ash, 2h @ 600°C (%)	0051	1.4000	0.00000	1.3800	0.05089	0.05556	29	0.39	1%	0
005.00	Ash, 2h @ 600°C (%)	2033	1.4000	0.00000	1.3800	0.05089	0.05556	29	0.39	1%	0
005.00	Ash, 2h @ 600°C (%)	2089	1.4050	0.03000	1.3800	0.05089	0.05556	29	0.49	1%	0
005.00	Ash, 2h @ 600°C (%)	0511	1.4250	0.03000	1.3800	0.05089	0.05556	29	0.88	2%	0
005.00	Ash, 2h @ 600°C (%)	0042	1.4300	0.08000	1.3800	0.05089	0.05556	29	0.98	2%	0
005.00	Ash, 2h @ 600°C (%)	0808	1.4300	0.08000	1.3800	0.05089	0.05556	29	0.98	2%	0
005.00	Ash, 2h @ 600°C (%)	0015	1.4350	0.03000	1.3800	0.05089	0.05556	29	1.08	2%	0
005.00	Ash, 2h @ 600°C (%)	0529	1.4400	0.02000	1.3800	0.05089	0.05556	29	1.18	2%	0
005.00	Ash, 2h @ 600°C (%)	0510	1.4900	0.04000	1.3800	0.05089	0.05556	29	2.16	4%	0
005.00	Ash, 2h @ 600°C (%)	0019	1.5000	0.20000	1.3800	0.05089	0.05556	29	2.36	4%	0
005.00	Ash, 2h @ 600°C (%)	0407	2.5435	0.29170	1.3800	0.05089	0.05556	29	22.86	42%	2
005.05	Ash, 3h @ 550°C (%)	0065	1.3167	0.13330	1.3546	0.03325	0.04404	7	-1.14	1%	0
005.05	Ash, 3h @ 550°C (%)	2058	1.3300	0.02000	1.3546	0.03325	0.04404	7	-0.74	1%	0
005.05	Ash, 3h @ 550°C (%)	2050	1.3400	0.10000	1.3546	0.03325	0.04404	7	-0.44	1%	0
005.05	Ash, 3h @ 550°C (%)	2165	1.3450	0.01000	1.3546	0.03325	0.04404	7	-0.29	0%	0
005.05	Ash, 3h @ 550°C (%)	2115	1.3705	0.00500	1.3546	0.03325	0.04404	7	0.48	1%	0
005.05	Ash, 3h @ 550°C (%)	2167	1.3850	0.03000	1.3546	0.03325	0.04404	7	0.91	1%	0
005.05	Ash, 3h @ 550°C (%)	0003	1.3950	0.01000	1.3546	0.03325	0.04404	7	1.22	1%	0
005.11	Ash, NIR (%)	0613	2.0950	0.09000				1			0
005.99	Ash, Miscellaneous (%)	2004	1.3400	0.04000	1.4238	0.10709	0.02616	9	-0.78	3%	0
005.99	Ash, Miscellaneous (%)	0970	1.3450	0.01000	1.4238	0.10709	0.02616	9	-0.74	3%	0
005.99	Ash, Miscellaneous (%)	0202	1.3650	0.03000	1.4238	0.10709	0.02616	9	-0.55	2%	0
005.99	Ash, Miscellaneous (%)	0969	1.3850	0.01000	1.4238	0.10709	0.02616	9	-0.36	1%	0
005.99	Ash, Miscellaneous (%)	0676	1.3900	0.00000	1.4238	0.10709	0.02616	9	-0.32	1%	0
005.99	Ash, Miscellaneous (%)	2136	1.4050	0.03000	1.4238	0.10709	0.02616	9	-0.18	1%	0
005.99	Ash, Miscellaneous (%)	0613	1.4150	0.01000	1.4238	0.10709	0.02616	9	-0.08	0%	0

Test Material Code # 201744

Method Proficiency Testing Report

Issue Date : 01/31/2018

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
005.99	Ash, Miscellaneous (%)	2169	1.6013	0.00540	1.4238	0.10709	0.02616	9	1.66	6%	0
005.99	Ash, Miscellaneous (%)	2023	1.6200	0.10000	1.4238	0.10709	0.02616	9	1.83	7%	0
006.01	Total sugars, Mod. Fehling Soln (%)	0407	2.9600	0.02000				1			0
006.99	Total sugars, Miscellaneous (%)	2165	0.75000	0.08000				3			0
006.99	Total sugars, Miscellaneous (%)	0969	1.1000	0.00000				3			0
006.99	Total sugars, Miscellaneous (%)	0970	1.1000	0.00000				3			0
006.99	Total sugars, Miscellaneous (%)	2136	1.6500	0.58000				3			1
008.02	Fiber, Acid Detergent (%)	0098	1.1800	0.04000				3			0
008.02	Fiber, Acid Detergent (%)	0676	1.1800	0.06000				3			0
008.02	Fiber, Acid Detergent (%)	0309	1.3383	0.08820				3			0
008.08	Fiber, Acid Detergent, ANKOM (%)	2004	1.2100	0.04000	1.6495	0.46033	0.08893	7	-0.95	13%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0870	1.3816	0.01030	1.6495	0.46033	0.08893	7	-0.58	8%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0529	1.4000	0.04000	1.6495	0.46033	0.08893	7	-0.54	8%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	2115	1.4950	0.01200	1.6495	0.46033	0.08893	7	-0.34	5%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0001	1.6700	0.18000	1.6495	0.46033	0.08893	7	0.04	1%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0164	2.0500	0.30000	1.6495	0.46033	0.08893	7	0.87	12%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0407	2.4271	0.04020	1.6495	0.46033	0.08893	7	1.69	24%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0613	1.5750	1.0100	1.6495	0.46033	0.08893	7	-0.16	2%	1
008.99	Fiber, Acid Detergent Miscellaneous (%)	0613	1.8300	0.02000				1			0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0676	5.8350	0.25000				3			0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0098	6.6200	0.44000				3			0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0309	9.6912	0.00960				3			0
009.09	Fiber, Neutral Detergent, ANKOM (%)	2115	5.1680	0.31200	6.3827	1.4268	0.29550	6	-0.85	10%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	2004	5.4150	0.23000	6.3827	1.4268	0.29550	6	-0.68	8%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0870	5.7237	0.31030	6.3827	1.4268	0.29550	6	-0.46	5%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0001	6.3850	0.15000	6.3827	1.4268	0.29550	6	0.00	0%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0407	7.0818	0.47070	6.3827	1.4268	0.29550	6	0.49	5%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0164	12.850	0.30000	6.3827	1.4268	0.29550	6	4.53	51%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0613	16.310	3.3600	6.3827	1.4268	0.29550	6	6.96	78%	1
009.99	Fiber, Neutral Det Miscellaneous (%)	0613	16.415	1.2300				1			0
010.03	Moisture, Karl-Fischer (%)	0164	11.305	0.13000				1			0
010.99	Moisture, Miscellaneous (%)	2004	10.750	0.10000	11.123	0.45314	0.19912	6	-0.82	2%	0
010.99	Moisture, Miscellaneous (%)	2167	10.820	0.16000	11.123	0.45314	0.19912	6	-0.67	1%	0
010.99	Moisture, Miscellaneous (%)	0969	10.900	0.00000	11.123	0.45314	0.19912	6	-0.49	1%	0
010.99	Moisture, Miscellaneous (%)	0970	11.050	0.10000	11.123	0.45314	0.19912	6	-0.16	0%	0
010.99	Moisture, Miscellaneous (%)	2169	11.468	0.47470	11.123	0.45314	0.19912	6	0.76	2%	0
010.99	Moisture, Miscellaneous (%)	2089	11.750	0.36000	11.123	0.45314	0.19912	6	1.38	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0876	10.110	0.08000	11.268	0.26629	0.14483	22	-4.35	5%	0
011.01	Loss on Drying, 135°C 2hr (%)	2016	10.765	0.19000	11.268	0.26629	0.14483	22	-1.89	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0202	10.975	0.71000	11.268	0.26629	0.14483	22	-1.10	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0309	10.990	0.16000	11.268	0.26629	0.14483	22	-1.04	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
011.01	Loss on Drying, 135°C 2hr (%)	0553	11.020	0.02000	11.268	0.26629	0.14483	22	-0.93	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0510	11.100	0.20000	11.268	0.26629	0.14483	22	-0.63	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	2162	11.150	0.06000	11.268	0.26629	0.14483	22	-0.44	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0957	11.160	0.46000	11.268	0.26629	0.14483	22	-0.41	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0511	11.190	0.36000	11.268	0.26629	0.14483	22	-0.29	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0047	11.250	0.10000	11.268	0.26629	0.14483	22	-0.07	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0242	11.260	0.00000	11.268	0.26629	0.14483	22	-0.03	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0650	11.295	0.19000	11.268	0.26629	0.14483	22	0.10	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0407	11.344	0.03640	11.268	0.26629	0.14483	22	0.29	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0171	11.345	0.05000	11.268	0.26629	0.14483	22	0.29	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	2033	11.380	0.00000	11.268	0.26629	0.14483	22	0.42	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0164	11.400	0.00000	11.268	0.26629	0.14483	22	0.50	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	2168	11.455	0.11000	11.268	0.26629	0.14483	22	0.70	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0051	11.460	0.16000	11.268	0.26629	0.14483	22	0.72	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0208	11.550	0.10000	11.268	0.26629	0.14483	22	1.06	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0870	11.557	0.06990	11.268	0.26629	0.14483	22	1.09	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	2058	11.610	0.06000	11.268	0.26629	0.14483	22	1.28	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0098	11.685	0.07000	11.268	0.26629	0.14483	22	1.57	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	2095	9.4250	0.85000	11.268	0.26629	0.14483	22	-6.92	8%	1
011.02	Loss on Drying, 130°C for 2 hours (%)	0417	10.610	0.06000	11.298	0.46218	0.03500	4			0
011.02	Loss on Drying, 130°C for 2 hours (%)	2050	11.475	0.01000	11.298	0.46218	0.03500	4			0
011.02	Loss on Drying, 130°C for 2 hours (%)	0808	11.495	0.03000	11.298	0.46218	0.03500	4			0
011.02	Loss on Drying, 130°C for 2 hours (%)	2023	11.610	0.04000	11.298	0.46218	0.03500	4			0
011.02	Loss on Drying, 130°C for 2 hours (%)	0554	10.350	0.28000	11.298	0.46218	0.03500	4			1
012.00	Starch, Polarimetric (Ewers) (%)	2023	59.650	0.70000				2			0
012.00	Starch, Polarimetric (Ewers) (%)	0164	60.600	1.6000				2			0
012.01	Starch, Megazyme (%)	0613	50.020	0.30000	56.890	5.4112	0.78797	6	-1.27	6%	0
012.01	Starch, Megazyme (%)	0676	54.735	0.25000	56.890	5.4112	0.78797	6	-0.40	2%	0
012.01	Starch, Megazyme (%)	0870	55.657	1.3378	56.890	5.4112	0.78797	6	-0.23	1%	0
012.01	Starch, Megazyme (%)	2004	57.750	0.10000	56.890	5.4112	0.78797	6	0.16	1%	0
012.01	Starch, Megazyme (%)	0164	58.800	1.8000	56.890	5.4112	0.78797	6	0.35	2%	0
012.01	Starch, Megazyme (%)	2089	64.380	0.94000	56.890	5.4112	0.78797	6	1.38	7%	0
012.03	Starch, Enzymatic (%)	0098	56.700	0.40000				2			0
012.03	Starch, Enzymatic (%)	0407	58.425	0.25000				2			0
012.04	Starch, YSI Analyzer (%)	0510	54.600	0.40000				1			0
012.11	Starch, NIR (%)	0613	51.445	1.0100				1			0
013.00	Fat, Acid hydrolysis (%)	2156	1.6150	0.15000	2.4853	0.57529	0.10792	11	-1.51	18%	0
013.00	Fat, Acid hydrolysis (%)	0098	2.0750	0.15000	2.4853	0.57529	0.10792	11	-0.71	8%	0
013.00	Fat, Acid hydrolysis (%)	0970	2.1500	0.10000	2.4853	0.57529	0.10792	11	-0.58	7%	0
013.00	Fat, Acid hydrolysis (%)	2115	2.2340	0.03000	2.4853	0.57529	0.10792	11	-0.44	5%	0
013.00	Fat, Acid hydrolysis (%)	2004	2.2500	0.10000	2.4853	0.57529	0.10792	11	-0.41	5%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
013.00	Fat, Acid hydrolysis (%)	0309	2.3634	0.04710	2.4853	0.57529	0.10792	11	-0.21	2%	0
013.00	Fat, Acid hydrolysis (%)	0969	2.5000	0.00000	2.4853	0.57529	0.10792	11	0.03	0%	0
013.00	Fat, Acid hydrolysis (%)	0242	2.7150	0.39000	2.4853	0.57529	0.10792	11	0.40	5%	0
013.00	Fat, Acid hydrolysis (%)	2016	2.9950	0.07000	2.4853	0.57529	0.10792	11	0.89	10%	0
013.00	Fat, Acid hydrolysis (%)	0202	3.0850	0.13000	2.4853	0.57529	0.10792	11	1.04	12%	0
013.00	Fat, Acid hydrolysis (%)	2023	3.3500	0.02000	2.4853	0.57529	0.10792	11	1.50	17%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0065	1.8450	0.05000	2.6628	0.30114	0.15702	12	-2.72	15%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0208	2.3000	0.02000	2.6628	0.30114	0.15702	12	-1.20	7%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0650	2.3650	0.29000	2.6628	0.30114	0.15702	12	-0.99	6%	0
013.02	Fat, Mojonnier, Bak Ext (%)	2058	2.5000	0.08000	2.6628	0.30114	0.15702	12	-0.54	3%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0870	2.6651	0.13530	2.6628	0.30114	0.15702	12	0.01	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0957	2.7350	0.17000	2.6628	0.30114	0.15702	12	0.24	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0171	2.7800	0.22000	2.6628	0.30114	0.15702	12	0.39	2%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0553	2.7850	0.49000	2.6628	0.30114	0.15702	12	0.41	2%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0164	2.8150	0.05000	2.6628	0.30114	0.15702	12	0.51	3%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0676	2.8200	0.06000	2.6628	0.30114	0.15702	12	0.52	3%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0001	2.8627	0.06890	2.6628	0.30114	0.15702	12	0.66	4%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0808	4.3950	0.25000	2.6628	0.30114	0.15702	12	5.75	33%	0
013.10	Fat, Soxtec-Acid Hydrolysis (%)	2124	2.1350	0.09000				3			0
013.10	Fat, Soxtec-Acid Hydrolysis (%)	2167	2.1850	0.01000				3			0
013.10	Fat, Soxtec-Acid Hydrolysis (%)	2162	2.2650	0.01000				3			0
013.10	Fat, Soxtec-Acid Hydrolysis (%)	2095	2.1750	1.1500				3			1
013.13	Fat, Ankom- Acid Hydrolysis (%)	0407	2.9940	0.19960				2			0
013.13	Fat, Ankom- Acid Hydrolysis (%)	0003	3.0650	0.27000				2			0
014.99	Fiber, total dietary TDF, Miscellaneous (%)	0164	10.750	0.30000				1			0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0171	10.130	0.08000				1			0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	2033	6.9000	0.00000				1			0
019.00	Calcium, Ox-Mn04 Vol. (%)	2115	0.47100	0.02600				1			0
019.31	Calcium, AAS, Dry ash (%)	0529	0.03000	0.00000				2			0
019.31	Calcium, AAS, Dry ash (%)	0650	0.03500	0.00200				2			0
019.41	Calcium, ICP, Dry ash (%)	0019	0.03000	0.00000	0.03339	0.00313	0.00169	9	-1.08	5%	0
019.41	Calcium, ICP, Dry ash (%)	0051	0.03000	0.00000	0.03339	0.00313	0.00169	9	-1.08	5%	0
019.41	Calcium, ICP, Dry ash (%)	0511	0.03150	0.00700	0.03339	0.00313	0.00169	9	-0.60	3%	0
019.41	Calcium, ICP, Dry ash (%)	0164	0.03200	0.00000	0.03339	0.00313	0.00169	9	-0.44	2%	0
019.41	Calcium, ICP, Dry ash (%)	0208	0.03350	0.00300	0.03339	0.00313	0.00169	9	0.04	0%	0
019.41	Calcium, ICP, Dry ash (%)	0964	0.03435	0.00070	0.03339	0.00313	0.00169	9	0.31	1%	0
019.41	Calcium, ICP, Dry ash (%)	0407	0.03505	0.00010	0.03339	0.00313	0.00169	9	0.53	2%	0
019.41	Calcium, ICP, Dry ash (%)	0171	0.03600	0.00000	0.03339	0.00313	0.00169	9	0.83	4%	0
019.41	Calcium, ICP, Dry ash (%)	0098	0.03950	0.00440	0.03339	0.00313	0.00169	9	1.95	9%	0
019.42	Calcium, ICP, Open vessel (%)	0870	0.03215	0.00010				3			0
019.42	Calcium, ICP, Open vessel (%)	0613	0.04500	0.01000				3			0



Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
019.42	Calcium, ICP, Open vessel (%)	0042	0.07650	0.04900				3			0
019.43	Calcium, ICP, Microwave (%)	2165	0.02435	0.00090	0.03650	0.01180	0.00050	10	-1.03	17%	0
019.43	Calcium, ICP, Microwave (%)	2058	0.02800	0.00200	0.03650	0.01180	0.00050	10	-0.72	12%	0
019.43	Calcium, ICP, Microwave (%)	0510	0.03000	0.00000	0.03650	0.01180	0.00050	10	-0.55	9%	0
019.43	Calcium, ICP, Microwave (%)	2124	0.03000	0.00000	0.03650	0.01180	0.00050	10	-0.55	9%	0
019.43	Calcium, ICP, Microwave (%)	2136	0.03045	0.00070	0.03650	0.01180	0.00050	10	-0.51	8%	0
019.43	Calcium, ICP, Microwave (%)	0034	0.03225	0.00010	0.03650	0.01180	0.00050	10	-0.36	6%	0
019.43	Calcium, ICP, Microwave (%)	0098	0.03845	0.00090	0.03650	0.01180	0.00050	10	0.17	3%	0
019.43	Calcium, ICP, Microwave (%)	0202	0.04730	0.00040	0.03650	0.01180	0.00050	10	0.91	15%	0
019.43	Calcium, ICP, Microwave (%)	2089	0.05000	0.00000	0.03650	0.01180	0.00050	10	1.14	18%	0
019.43	Calcium, ICP, Microwave (%)	0027	0.05600	0.00000	0.03650	0.01180	0.00050	10	1.65	27%	0
019.44	Calcium, ICP, Dry ash (%)	0969	0.03000	0.00000				3			0
019.44	Calcium, ICP, Dry ash (%)	0970	0.03155	0.00030				3			0
019.44	Calcium, ICP, Dry ash (%)	2004	0.03185	0.00010				3			0
019.44	Calcium, ICP, Dry ash (%)	0065	0.03265	0.00270				3			1
019.52	Calcium, ICP-MS, Open vessel (%)	0047	0.03500	0.00000				1			0
019.53	Calcium, ICP-MS, Microwave (%)	0553	0.03295	0.00090				1			0
019.99	Calcium, Miscellaneous (%)	0242	0.03000	0.00000				2			0
019.99	Calcium, Miscellaneous (%)	0676	0.04200	0.00200				2			0
021.41	Cobalt, ICP, Dry ash (mg / kg (ppm))	0171	0.00600	0.00000				1			0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	2165	0.00000	0.00000				0			4
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0529	9.6000	0.00000				1			0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0511	4.0000	0.00000	5.2819	0.93068	0.27251	9	-1.38	12%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0407	4.7147	0.20090	5.2819	0.93068	0.27251	9	-0.61	5%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0051	4.8000	0.10000	5.2819	0.93068	0.27251	9	-0.52	5%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0164	4.9000	0.00000	5.2819	0.93068	0.27251	9	-0.41	4%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0208	4.9005	0.13300	5.2819	0.93068	0.27251	9	-0.41	4%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0098	5.5850	0.17000	5.2819	0.93068	0.27251	9	0.33	3%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0019	5.9350	0.31000	5.2819	0.93068	0.27251	9	0.70	6%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0964	6.1318	0.53870	5.2819	0.93068	0.27251	9	0.91	8%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0171	6.5700	1.0000	5.2819	0.93068	0.27251	9	1.38	12%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0613	4.4800	0.32000				3			0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0870	4.8365	0.02100				3			0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0042	11.480	3.8400				3			0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	2165	4.0350	0.29000	4.9860	0.35167	0.22286	7	-2.70	10%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	2136	4.8100	0.26000	4.9860	0.35167	0.22286	7	-0.50	2%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0098	4.9950	0.01000	4.9860	0.35167	0.22286	7	0.03	0%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0510	5.0000	0.00000	4.9860	0.35167	0.22286	7	0.04	0%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	2033	5.0000	0.40000	4.9860	0.35167	0.22286	7	0.04	0%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	2124	5.1250	0.05000	4.9860	0.35167	0.22286	7	0.40	1%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0202	5.5280	0.55000	4.9860	0.35167	0.22286	7	1.54	5%	0

Test Material Code # 201744

Method Proficiency Testing Report

Issue Date : 01/31/2018

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
022.43	Copper, ICP, Microwave (mg / kg (ppm))	2089	12.150	4.9800	4.9860	0.35167	0.22286	7	20.37	72%	1
022.44	Copper, ICP, Dry ash (mg / kg (ppm))	2114	4.6950	0.07000	4.8813	0.15499	0.05250	4			0
022.44	Copper, ICP, Dry ash (mg / kg (ppm))	0970	4.8400	0.10000	4.8813	0.15499	0.05250	4			0
022.44	Copper, ICP, Dry ash (mg / kg (ppm))	2004	4.9250	0.01000	4.8813	0.15499	0.05250	4			0
022.44	Copper, ICP, Dry ash (mg / kg (ppm))	0969	5.0650	0.03000	4.8813	0.15499	0.05250	4			0
022.52	Copper, ICP-MS, Open vessel (mg / kg (ppm))	0047	6.0450	0.19000				1			0
022.53	Copper, ICP-MS, Microwave (mg / kg (ppm))	0553	4.9850	0.01000				1			0
022.99	Copper, Miscellaneous (mg / kg (ppm))	0242	4.5000	1.0000				1			0
024.99	Iodine, Miscellaneous (mg / kg (ppm))	0969	0.00000	0.00000				0			4
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0529	43.050	1.9000				1			0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0511	25.000	0.00000	36.458	3.3907	0.96439	13	-3.38	16%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0051	33.000	0.00000	36.458	3.3907	0.96439	13	-1.02	5%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	2114	34.355	1.8300	36.458	3.3907	0.96439	13	-0.62	3%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0970	34.800	0.40000	36.458	3.3907	0.96439	13	-0.49	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0019	35.030	0.18000	36.458	3.3907	0.96439	13	-0.42	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	2004	35.300	0.20000	36.458	3.3907	0.96439	13	-0.34	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0969	36.750	0.10000	36.458	3.3907	0.96439	13	0.09	0%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0208	36.960	2.5600	36.458	3.3907	0.96439	13	0.15	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0164	37.000	2.0000	36.458	3.3907	0.96439	13	0.16	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0171	37.500	0.80000	36.458	3.3907	0.96439	13	0.31	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0407	38.794	0.86660	36.458	3.3907	0.96439	13	0.69	3%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0098	43.690	0.54000	36.458	3.3907	0.96439	13	2.13	10%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0964	48.489	3.0605	36.458	3.3907	0.96439	13	3.55	17%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0870	37.730	2.1000				3			0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0613	42.350	6.9000				3			0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0042	66.300	45.000				3			0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2165	25.750	1.7000	35.402	2.6672	1.4229	7	-3.62	14%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0510	34.000	0.00000	35.402	2.6672	1.4229	7	-0.53	2%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2136	35.200	1.0000	35.402	2.6672	1.4229	7	-0.08	0%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2033	35.500	3.0000	35.402	2.6672	1.4229	7	0.04	0%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2058	35.545	1.1300	35.402	2.6672	1.4229	7	0.05	0%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0098	37.460	2.3600	35.402	2.6672	1.4229	7	0.77	3%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2124	38.705	0.77000	35.402	2.6672	1.4229	7	1.24	5%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2089	92.715	46.350	35.402	2.6672	1.4229	7	21.49	81%	1
025.52	Iron, ICP-MS, Open vessel (mg / kg (ppm))	0047	37.870	0.94000				1			0
025.53	Iron, ICP-MS, Microwave (mg / kg (ppm))	0553	36.150	0.50000				1			0
025.99	Iron, Miscellaneous (mg / kg (ppm))	0242	38.000	2.0000				1			0
027.31	Magnesium, AAS, Dry ash (%)	0529	0.09250	0.00300				2			0
027.31	Magnesium, AAS, Dry ash (%)	0650	0.09560	0.00740				2			0
027.41	Magnesium, ICP, Dry ash (%)	0164	0.09250	0.00100	0.09603	0.00293	0.00392	10	-1.21	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0051	0.09255	0.00530	0.09603	0.00293	0.00392	10	-1.19	2%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
027.41	Magnesium, ICP, Dry ash (%)	0964	0.09450	0.00580	0.09603	0.00293	0.00392	10	-0.52	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0019	0.09500	0.01000	0.09603	0.00293	0.00392	10	-0.35	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0511	0.09500	0.01000	0.09603	0.00293	0.00392	10	-0.35	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0171	0.09650	0.00100	0.09603	0.00293	0.00392	10	0.16	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0407	0.09705	0.00250	0.09603	0.00293	0.00392	10	0.35	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0208	0.09800	0.00200	0.09603	0.00293	0.00392	10	0.67	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0098	0.09920	0.00160	0.09603	0.00293	0.00392	10	1.08	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0003	0.10000	0.00000	0.09603	0.00293	0.00392	10	1.36	2%	0
027.42	Magnesium, ICP, Open vessel (%)	0042	0.09450	0.00300				3			0
027.42	Magnesium, ICP, Open vessel (%)	0613	0.10000	0.00000				3			0
027.42	Magnesium, ICP, Open vessel (%)	0870	0.10110	0.00140				3			0
027.43	Magnesium, ICP, Microwave (%)	2165	0.07315	0.00310	0.09215	0.00888	0.00115	8	-2.14	10%	0
027.43	Magnesium, ICP, Microwave (%)	2058	0.08400	0.00400	0.09215	0.00888	0.00115	8	-0.92	4%	0
027.43	Magnesium, ICP, Microwave (%)	0510	0.09000	0.00000	0.09215	0.00888	0.00115	8	-0.24	1%	0
027.43	Magnesium, ICP, Microwave (%)	2089	0.09000	0.00000	0.09215	0.00888	0.00115	8	-0.24	1%	0
027.43	Magnesium, ICP, Microwave (%)	0098	0.09605	0.00030	0.09215	0.00888	0.00115	8	0.44	2%	0
027.43	Magnesium, ICP, Microwave (%)	0202	0.09830	0.00180	0.09215	0.00888	0.00115	8	0.69	3%	0
027.43	Magnesium, ICP, Microwave (%)	2033	0.10000	0.00000	0.09215	0.00888	0.00115	8	0.88	4%	0
027.43	Magnesium, ICP, Microwave (%)	2124	0.10000	0.00000	0.09215	0.00888	0.00115	8	0.88	4%	0
027.43	Magnesium, ICP, Microwave (%)	0034	0.87885	0.03850	0.09215	0.00888	0.00115	8	88.55	427%	2
027.44	Magnesium, ICP, Dry ash (%)	2114	0.08850	0.00100	0.09319	0.00444	0.00038	5			0
027.44	Magnesium, ICP, Dry ash (%)	0065	0.09100	0.00000	0.09319	0.00444	0.00038	5			0
027.44	Magnesium, ICP, Dry ash (%)	0970	0.09155	0.00090	0.09319	0.00444	0.00038	5			0
027.44	Magnesium, ICP, Dry ash (%)	2004	0.09490	0.00000	0.09319	0.00444	0.00038	5			0
027.44	Magnesium, ICP, Dry ash (%)	0969	0.10000	0.00000	0.09319	0.00444	0.00038	5			0
027.52	Magnesium, ICP-MS, Open vessel (%)	0047	0.11000	0.00200				1			0
027.53	Magnesium, ICP-MS, Microwave (%)	0553	0.09780	0.00300				1			0
027.99	Magnesium, Miscellaneous (%)	0242	0.09000	0.00000				1			0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0529	14.050	1.1000				1			0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0511	9.5000	1.0000	11.904	0.82096	0.67863	10	-2.93	10%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0051	11.190	0.32000	11.904	0.82096	0.67863	10	-0.87	3%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0164	11.500	1.0000	11.904	0.82096	0.67863	10	-0.49	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0407	11.554	0.82660	11.904	0.82096	0.67863	10	-0.43	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0171	11.655	0.17000	11.904	0.82096	0.67863	10	-0.30	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0208	12.155	0.67000	11.904	0.82096	0.67863	10	0.31	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0019	12.190	0.14000	11.904	0.82096	0.67863	10	0.35	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0964	12.455	0.56970	11.904	0.82096	0.67863	10	0.67	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0098	12.535	0.09000	11.904	0.82096	0.67863	10	0.77	3%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0003	15.000	2.0000	11.904	0.82096	0.67863	10	3.77	13%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0870	11.930	0.08000				3			0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0613	13.650	0.70000				3			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0042	14.200	2.2000				3			0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2165	8.7050	0.29000	12.088	1.2335	0.40940	10	-2.74	14%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0510	11.000	0.00000	12.088	1.2335	0.40940	10	-0.88	4%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2058	11.325	0.23000	12.088	1.2335	0.40940	10	-0.62	3%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2089	11.670	0.44000	12.088	1.2335	0.40940	10	-0.34	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2136	11.700	1.0000	12.088	1.2335	0.40940	10	-0.31	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2033	12.375	1.0500	12.088	1.2335	0.40940	10	0.23	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0098	12.485	0.33000	12.088	1.2335	0.40940	10	0.32	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2124	13.240	0.04000	12.088	1.2335	0.40940	10	0.93	5%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0202	13.396	0.37400	12.088	1.2335	0.40940	10	1.06	5%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0027	13.450	0.34000	12.088	1.2335	0.40940	10	1.10	6%	0
028.44	Manganese, ICP, Dry ash (mg / kg (ppm))	2114	10.360	0.46000	11.415	0.74290	0.16500	4			0
028.44	Manganese, ICP, Dry ash (mg / kg (ppm))	0970	11.550	0.10000	11.415	0.74290	0.16500	4			0
028.44	Manganese, ICP, Dry ash (mg / kg (ppm))	2004	11.650	0.10000	11.415	0.74290	0.16500	4			0
028.44	Manganese, ICP, Dry ash (mg / kg (ppm))	0969	12.100	0.00000	11.415	0.74290	0.16500	4			0
028.52	Manganese, ICP-MS, Open vessel (mg / kg (ppm))	0047	12.460	0.22000				1			0
028.53	Manganese, ICP-MS, Microwave (mg / kg (ppm))	0553	12.150	1.7000				1			0
028.99	Manganese, Miscellaneous (mg / kg (ppm))	0242	11.000	0.00000				1			0
031.01	Phosphorus, Photometric (%)	0529	0.26500	0.01000	0.28570	0.01307	0.00660	5			0
031.01	Phosphorus, Photometric (%)	2115	0.28300	0.00200	0.28570	0.01307	0.00660	5			0
031.01	Phosphorus, Photometric (%)	0650	0.28950	0.00100	0.28570	0.01307	0.00660	5			0
031.01	Phosphorus, Photometric (%)	0208	0.29100	0.00000	0.28570	0.01307	0.00660	5			0
031.01	Phosphorus, Photometric (%)	0511	0.30000	0.02000	0.28570	0.01307	0.00660	5			0
031.41	Phosphorus, ICP, Dry ash (%)	0051	0.25980	0.00620	0.28361	0.02276	0.00987	9	-1.05	4%	0
031.41	Phosphorus, ICP, Dry ash (%)	0019	0.26000	0.00000	0.28361	0.02276	0.00987	9	-1.04	4%	0
031.41	Phosphorus, ICP, Dry ash (%)	0171	0.26500	0.01000	0.28361	0.02276	0.00987	9	-0.82	3%	0
031.41	Phosphorus, ICP, Dry ash (%)	0164	0.28000	0.00400	0.28361	0.02276	0.00987	9	-0.16	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0098	0.28425	0.00390	0.28361	0.02276	0.00987	9	0.03	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0407	0.28435	0.04030	0.28361	0.02276	0.00987	9	0.03	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0208	0.29550	0.00300	0.28361	0.02276	0.00987	9	0.52	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0003	0.31000	0.02000	0.28361	0.02276	0.00987	9	1.16	5%	0
031.41	Phosphorus, ICP, Dry ash (%)	0964	0.31360	0.00140	0.28361	0.02276	0.00987	9	1.32	5%	0
031.42	Phosphorus, ICP, Open vessel (%)	0042	0.26950	0.05100				3			0
031.42	Phosphorus, ICP, Open vessel (%)	0870	0.28255	0.00110				3			0
031.42	Phosphorus, ICP, Open vessel (%)	0613	0.32500	0.05000				3			0
031.43	Phosphorus, ICP, Microwave (%)	2058	0.02650	0.00100	0.27035	0.04009	0.00961	10	-6.08	45%	0
031.43	Phosphorus, ICP, Microwave (%)	2165	0.19600	0.00600	0.27035	0.04009	0.00961	10	-1.85	14%	0
031.43	Phosphorus, ICP, Microwave (%)	0034	0.25265	0.02590	0.27035	0.04009	0.00961	10	-0.44	3%	0
031.43	Phosphorus, ICP, Microwave (%)	2089	0.27500	0.01000	0.27035	0.04009	0.00961	10	0.12	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0202	0.27640	0.00160	0.27035	0.04009	0.00961	10	0.15	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0098	0.28000	0.00160	0.27035	0.04009	0.00961	10	0.24	2%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
031.43	Phosphorus, ICP, Microwave (%)	0510	0.29500	0.01000	0.27035	0.04009	0.00961	10	0.61	5%	0
031.43	Phosphorus, ICP, Microwave (%)	0027	0.29650	0.00500	0.27035	0.04009	0.00961	10	0.65	5%	0
031.43	Phosphorus, ICP, Microwave (%)	2124	0.30000	0.00000	0.27035	0.04009	0.00961	10	0.74	5%	0
031.43	Phosphorus, ICP, Microwave (%)	2033	0.30750	0.03500	0.27035	0.04009	0.00961	10	0.93	7%	0
031.44	Phosphorus, ICP, Dry ash (%)	0065	0.26300	0.00200	0.27238	0.01092	0.00475	4			0
031.44	Phosphorus, ICP, Dry ash (%)	0970	0.26350	0.00700	0.27238	0.01092	0.00475	4			0
031.44	Phosphorus, ICP, Dry ash (%)	2004	0.27800	0.00000	0.27238	0.01092	0.00475	4			0
031.44	Phosphorus, ICP, Dry ash (%)	0969	0.28500	0.01000	0.27238	0.01092	0.00475	4			0
031.53	Phosphorus, ICP-MS, Microwave (%)	0553	0.27700	0.01200				1			0
031.99	Phosphorus, Miscellaneous (%)	0676	0.27500	0.01000				2			0
031.99	Phosphorus, Miscellaneous (%)	0242	0.28000	0.00000				2			0
032.31	Potassium, AAS, Dry ash (%)	0650	0.37700	0.04200				2			0
032.31	Potassium, AAS, Dry ash (%)	0529	0.44500	0.01000				2			0
032.41	Potassium, ICP, Dry ash (%)	0511	0.30500	0.01000	0.35305	0.01533	0.00625	10	-3.13	7%	0
032.41	Potassium, ICP, Dry ash (%)	0208	0.33800	0.00200	0.35305	0.01533	0.00625	10	-0.98	2%	0
032.41	Potassium, ICP, Dry ash (%)	0051	0.34740	0.01600	0.35305	0.01533	0.00625	10	-0.37	1%	0
032.41	Potassium, ICP, Dry ash (%)	0164	0.34950	0.00500	0.35305	0.01533	0.00625	10	-0.23	1%	0
032.41	Potassium, ICP, Dry ash (%)	0003	0.35000	0.00000	0.35305	0.01533	0.00625	10	-0.20	0%	0
032.41	Potassium, ICP, Dry ash (%)	0964	0.35100	0.01000	0.35305	0.01533	0.00625	10	-0.13	0%	0
032.41	Potassium, ICP, Dry ash (%)	0098	0.36000	0.00000	0.35305	0.01533	0.00625	10	0.45	1%	0
032.41	Potassium, ICP, Dry ash (%)	0171	0.36350	0.00700	0.35305	0.01533	0.00625	10	0.68	1%	0
032.41	Potassium, ICP, Dry ash (%)	0019	0.36500	0.01000	0.35305	0.01533	0.00625	10	0.78	2%	0
032.41	Potassium, ICP, Dry ash (%)	0407	0.37795	0.00250	0.35305	0.01533	0.00625	10	1.62	4%	0
032.42	Potassium, ICP, Open vessel (%)	0042	0.34100	0.01400				3			0
032.42	Potassium, ICP, Open vessel (%)	0613	0.36000	0.00000				3			0
032.42	Potassium, ICP, Open vessel (%)	0870	0.38855	0.00530				3			0
032.43	Potassium, ICP, Microwave (%)	2165	0.28500	0.00800	0.34809	0.02958	0.01054	11	-2.13	9%	0
032.43	Potassium, ICP, Microwave (%)	2058	0.30800	0.01200	0.34809	0.02958	0.01054	11	-1.36	6%	0
032.43	Potassium, ICP, Microwave (%)	0034	0.32625	0.02490	0.34809	0.02958	0.01054	11	-0.74	3%	0
032.43	Potassium, ICP, Microwave (%)	2089	0.34000	0.04000	0.34809	0.02958	0.01054	11	-0.27	1%	0
032.43	Potassium, ICP, Microwave (%)	0510	0.34500	0.01000	0.34809	0.02958	0.01054	11	-0.10	0%	0
032.43	Potassium, ICP, Microwave (%)	0098	0.35500	0.01000	0.34809	0.02958	0.01054	11	0.23	1%	0
032.43	Potassium, ICP, Microwave (%)	2136	0.36300	0.00800	0.34809	0.02958	0.01054	11	0.50	2%	0
032.43	Potassium, ICP, Microwave (%)	0027	0.36500	0.00200	0.34809	0.02958	0.01054	11	0.57	2%	0
032.43	Potassium, ICP, Microwave (%)	2033	0.37000	0.00000	0.34809	0.02958	0.01054	11	0.74	3%	0
032.43	Potassium, ICP, Microwave (%)	0202	0.37300	0.00100	0.34809	0.02958	0.01054	11	0.84	4%	0
032.43	Potassium, ICP, Microwave (%)	2124	0.38000	0.00000	0.34809	0.02958	0.01054	11	1.08	5%	0
032.44	Potassium, ICP, Dry ash (%)	0065	0.33665	0.00330	0.34166	0.00578	0.00233	4			0
032.44	Potassium, ICP, Dry ash (%)	0970	0.34000	0.00600	0.34166	0.00578	0.00233	4			0
032.44	Potassium, ICP, Dry ash (%)	2004	0.34000	0.00000	0.34166	0.00578	0.00233	4			0
032.44	Potassium, ICP, Dry ash (%)	0969	0.35000	0.00000	0.34166	0.00578	0.00233	4			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
032.44	Potassium, ICP, Dry ash (%)	2114	0.33000	0.02000	0.34166	0.00578	0.00233	4			1
032.53	Potassium, ICP-MS, Microwave (%)	0553	0.33100	0.00800				1			0
032.99	Potassium, Miscellaneous (%)	0242	0.38000	0.00000				1			0
033.00	Salt as chloride, Sol Cl (%)	0309	0.12785	0.00330				1			0
033.01	Salt as chloride, Poten Cl (%)	0510	0.13000	0.00000	0.13841	0.00228	0.00383	6	-3.68	3%	0
033.01	Salt as chloride, Poten Cl (%)	0407	0.13750	0.00100	0.13841	0.00228	0.00383	6	-0.40	0%	0
033.01	Salt as chloride, Poten Cl (%)	2115	0.13800	0.00200	0.13841	0.00228	0.00383	6	-0.18	0%	0
033.01	Salt as chloride, Poten Cl (%)	0098	0.14000	0.00000	0.13841	0.00228	0.00383	6	0.69	1%	0
033.01	Salt as chloride, Poten Cl (%)	0164	0.14000	0.00000	0.13841	0.00228	0.00383	6	0.69	1%	0
033.01	Salt as chloride, Poten Cl (%)	0242	0.14000	0.02000	0.13841	0.00228	0.00383	6	0.69	1%	0
033.01	Salt as chloride, Poten Cl (%)	0650	0.12500	0.05000	0.13841	0.00228	0.00383	6	-5.87	5%	1
033.05	Salt as chloride, Ion Sel Electrode (%)	0171	0.14000	0.00000				1			0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0171	0.01050	0.00100				1			0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	2124	0.00000	0.00000				0			4
035.31	Sodium, AAS, Dry ash (%)	0529	0.00650	0.00100				2			0
035.31	Sodium, AAS, Dry ash (%)	0650	0.00905	0.00090				2			0
035.41	Sodium, ICP, Dry ash (%)	2004	0.00525	0.00030	0.00791	0.00259	0.00092	11	-1.03	17%	0
035.41	Sodium, ICP, Dry ash (%)	0964	0.00575	0.00030	0.00791	0.00259	0.00092	11	-0.83	14%	0
035.41	Sodium, ICP, Dry ash (%)	0164	0.00600	0.00000	0.00791	0.00259	0.00092	11	-0.74	12%	0
035.41	Sodium, ICP, Dry ash (%)	0970	0.00620	0.00060	0.00791	0.00259	0.00092	11	-0.66	11%	0
035.41	Sodium, ICP, Dry ash (%)	0208	0.00700	0.00000	0.00791	0.00259	0.00092	11	-0.35	6%	0
035.41	Sodium, ICP, Dry ash (%)	0051	0.00725	0.00010	0.00791	0.00259	0.00092	11	-0.25	4%	0
035.41	Sodium, ICP, Dry ash (%)	0098	0.00795	0.00250	0.00791	0.00259	0.00092	11	0.02	0%	0
035.41	Sodium, ICP, Dry ash (%)	0407	0.00830	0.00060	0.00791	0.00259	0.00092	11	0.15	2%	0
035.41	Sodium, ICP, Dry ash (%)	0969	0.01000	0.00000	0.00791	0.00259	0.00092	11	0.81	13%	0
035.41	Sodium, ICP, Dry ash (%)	0171	0.01150	0.00100	0.00791	0.00259	0.00092	11	1.39	23%	0
035.41	Sodium, ICP, Dry ash (%)	0065	0.01535	0.00470	0.00791	0.00259	0.00092	11	2.88	47%	0
035.41	Sodium, ICP, Dry ash (%)	0019	0.01500	0.01000	0.00791	0.00259	0.00092	11	2.74	45%	1
035.42	Sodium, ICP, Open vessel (%)	0870	0.00680	0.00020				1			0
035.42	Sodium, ICP, Open vessel (%)	0613	0.00000	0.00000				1			4
035.43	Sodium, ICP, Microwave (%)	2136	0.00495	0.00030	0.00738	0.00291	0.00013	8	-0.83	16%	0
035.43	Sodium, ICP, Microwave (%)	2165	0.00495	0.00030	0.00738	0.00291	0.00013	8	-0.83	16%	0
035.43	Sodium, ICP, Microwave (%)	2124	0.00500	0.00000	0.00738	0.00291	0.00013	8	-0.82	16%	0
035.43	Sodium, ICP, Microwave (%)	0098	0.00545	0.00030	0.00738	0.00291	0.00013	8	-0.66	13%	0
035.43	Sodium, ICP, Microwave (%)	0510	0.00800	0.00000	0.00738	0.00291	0.00013	8	0.21	4%	0
035.43	Sodium, ICP, Microwave (%)	0202	0.00995	0.00010	0.00738	0.00291	0.00013	8	0.89	17%	0
035.43	Sodium, ICP, Microwave (%)	2089	0.01000	0.00000	0.00738	0.00291	0.00013	8	0.90	18%	0
035.43	Sodium, ICP, Microwave (%)	2033	0.01070	0.00000	0.00738	0.00291	0.00013	8	1.14	23%	0
035.43	Sodium, ICP, Microwave (%)	2058	0.00450	0.00100	0.00738	0.00291	0.00013	8	-0.99	19%	1
035.53	Sodium, ICP-MS, Microwave (%)	0553	0.00505	0.00070				1			0
035.99	Sodium, Miscellaneous (%)	0242	0.01000	0.00000				1			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
036.42	Sulfur, ICP, Open vessel (%)	0870	0.12310	0.00160	0.12629	0.00348	0.00113	4			0
036.42	Sulfur, ICP, Open vessel (%)	0407	0.12355	0.00190	0.12629	0.00348	0.00113	4			0
036.42	Sulfur, ICP, Open vessel (%)	0171	0.12850	0.00100	0.12629	0.00348	0.00113	4			0
036.42	Sulfur, ICP, Open vessel (%)	0613	0.13000	0.00000	0.12629	0.00348	0.00113	4			0
036.43	Sulfur, ICP, Microwave (%)	2165	0.10700	0.00200	0.12569	0.01344	0.00685	6	-1.39	7%	0
036.43	Sulfur, ICP, Microwave (%)	0202	0.12080	0.00200	0.12569	0.01344	0.00685	6	-0.36	2%	0
036.43	Sulfur, ICP, Microwave (%)	0098	0.12135	0.00710	0.12569	0.01344	0.00685	6	-0.32	2%	0
036.43	Sulfur, ICP, Microwave (%)	0510	0.13000	0.00000	0.12569	0.01344	0.00685	6	0.32	2%	0
036.43	Sulfur, ICP, Microwave (%)	2033	0.13500	0.01000	0.12569	0.01344	0.00685	6	0.69	4%	0
036.43	Sulfur, ICP, Microwave (%)	2089	0.14000	0.02000	0.12569	0.01344	0.00685	6	1.06	6%	0
036.53	Sulfur, ICP-MS, Microwave (%)	0553	0.12950	0.00500				1			0
036.99	Sulfur, Miscellaneous (%)	0001	0.11650	0.00300				2			0
036.99	Sulfur, Miscellaneous (%)	0242	0.12000	0.00000				2			0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0529	23.800	0.60000				1			0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0511	17.000	2.0000	22.040	2.3133	1.0200	9	-2.18	11%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0164	20.500	1.0000	22.040	2.3133	1.0200	9	-0.67	3%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0964	21.069	0.04760	22.040	2.3133	1.0200	9	-0.42	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0208	21.175	0.29000	22.040	2.3133	1.0200	9	-0.37	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0051	21.890	2.5200	22.040	2.3133	1.0200	9	-0.06	0%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0019	22.685	0.65000	22.040	2.3133	1.0200	9	0.28	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0407	22.881	1.2226	22.040	2.3133	1.0200	9	0.36	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0098	24.080	0.30000	22.040	2.3133	1.0200	9	0.88	5%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0171	25.945	1.1500	22.040	2.3133	1.0200	9	1.69	9%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0003	37.000	12.000	22.040	2.3133	1.0200	9	6.47	34%	1
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0870	21.445	1.3300				3			0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0613	25.450	1.9000				3			0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0042	34.500	29.400				3			0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2165	16.550	0.50000	22.197	2.0542	0.65522	9	-2.75	13%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2058	20.645	1.8900	22.197	2.0542	0.65522	9	-0.76	3%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2136	21.300	0.00000	22.197	2.0542	0.65522	9	-0.44	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0510	21.500	1.0000	22.197	2.0542	0.65522	9	-0.34	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0098	22.305	0.69000	22.197	2.0542	0.65522	9	0.05	0%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2033	22.850	0.30000	22.197	2.0542	0.65522	9	0.32	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2124	22.950	0.14000	22.197	2.0542	0.65522	9	0.37	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0202	23.828	0.23700	22.197	2.0542	0.65522	9	0.79	4%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2089	25.930	1.1400	22.197	2.0542	0.65522	9	1.82	8%	0
037.44	Zinc, ICP, Dry ash (mg / kg (ppm))	2004	20.690	0.40600				3			0
037.44	Zinc, ICP, Dry ash (mg / kg (ppm))	0970	21.000	0.20000				3			0
037.44	Zinc, ICP, Dry ash (mg / kg (ppm))	0969	21.750	0.30000				3			0
037.52	Zinc, ICP-MS, Open vessel (mg / kg (ppm))	0047	14.285	1.2100				1			0
037.53	Zinc, ICP-MS, Microwave (mg / kg (ppm))	0553	24.400	2.4000				1			0

Test Material Code # 201744

Method Proficiency Testing Report

Issue Date : 01/31/2018

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
037.99	Zinc, Miscellaneous (mg / kg (ppm))	0242	19.000	0.00000				1		0	
038.41	Molybdenum, ICP, Dry ash (mg / kg (ppm))	0171	0.04700	0.00200				1		0	
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0510	0.20000	0.00000				1		0	
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	2165	0.00000	0.00000				1		4	
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	0553	0.04440	0.00100				1		0	
042.00	Chloride, Titrimetric (%)	0969	0.09000	0.00000				1		0	
042.99	Chloride, Miscellaneous (%)	0970	0.08450	0.00100				1		0	
101.01	Choline Chloride, Chem (mg / kg (ppm))	0969	1,360.0	20.000				2		0	
101.01	Choline Chloride, Chem (mg / kg (ppm))	2004	1,380.0	40.000				2		0	
102.01	Niacin, Microbiological (mg / kg (ppm))	0227	58.650	2.5000				2		0	
102.01	Niacin, Microbiological (mg / kg (ppm))	0969	64.950	2.3000				2		0	
103.01	Pantothenic Acid, Microbiological (mg / kg (ppm))	0227	1.3700	0.26000				1		0	
103.02	Pantothenic Acid, LC (mg / kg (ppm))	0969	9.6500	0.10000				1		0	
104.00	Riboflavin, Fluorometric (mg / kg (ppm))	0227	1.0450	0.01000				1		0	
104.02	Riboflavin, Microbiological, Turbidity (mg / kg (ppm))	0969	2.0500	0.10000				1		0	
105.00	Thiamine, LC (mg / kg (ppm))	0208	1.9455	0.25900				3		0	
105.00	Thiamine, LC (mg / kg (ppm))	2058	2.4350	0.03000				3		0	
105.00	Thiamine, LC (mg / kg (ppm))	2023	3.1500	0.10000				3		0	
105.01	Thiamine, Fluorometer (mg / kg (ppm))	0227	3.9150	0.15000				1		0	
105.99	Thiamine, Miscellaneous (mg / kg (ppm))	0969	2.6500	0.30000				1		0	
106.02	Vitamin A, LC (KU / kg)	0969	0.00000	0.00000				0		4	
107.00	Vitamin B12, Microbiological (µg / kg (ppb))	0969	0.00000	0.00000				0		4	
108.99	Vitamin D3, Miscellaneous (KU / kg)	0969	0.00000	0.00000				0		4	
108.99	Vitamin D3, Miscellaneous (KU / kg)	2004	0.00000	0.00000				0		4	
109.02	Vitamin E, LC (IU/kg)	0969	0.00000	0.00000				0		4	
112.00	Pyridoxine, Vitamin B6 (µg / g)	0969	1.8500	0.06000				1		0	
112.01	Pyridoxine, LC (µg / g)	0227	2.5950	0.17000				1		0	
113.01	Folic Acid, Micro (mg / kg (ppm))	0969	0.23500	0.01000				2		0	
113.01	Folic Acid, Micro (mg / kg (ppm))	0227	0.29500	0.00200				2		0	
114.01	Biotin, Microbiological (mg / kg (ppm))	0227	0.12200	0.00800				2		0	
114.01	Biotin, Microbiological (mg / kg (ppm))	0969	0.13000	0.00000				2		0	
120.00	Alanine, Post-col Ninhydrin Der (%)	0870	0.44765	0.01030	0.46966	0.01713	0.00908	4		0	
120.00	Alanine, Post-col Ninhydrin Der (%)	0504	0.46500	0.01000	0.46966	0.01713	0.00908	4		0	
120.00	Alanine, Post-col Ninhydrin Der (%)	0227	0.48000	0.00000	0.46966	0.01713	0.00908	4		0	
120.00	Alanine, Post-col Ninhydrin Der (%)	0171	0.48600	0.01600	0.46966	0.01713	0.00908	4		0	
120.01	Alanine, Pre-col OPA Der (%)	0970	0.46200	0.00600				1		0	
120.02	Alanine, Post-col OPA Der (%)	2023	0.44500	0.01000				1		0	
120.05	Alanine, Pre-col AQC Der (%)	0676	0.45500	0.01000				1		0	
120.99	Alanine, Miscellaneous (%)	2115	0.45300	0.00200				1		0	
121.00	Arginine, Post-col Ninhydrin Der (%)	0171	0.52900	0.01800	0.53778	0.01204	0.01290	4		0	
121.00	Arginine, Post-col Ninhydrin Der (%)	0504	0.53000	0.02000	0.53778	0.01204	0.01290	4		0	



Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
121.00	Arginine, Post-col Ninhydrin Der (%)	0870	0.53710	0.00360	0.53778	0.01204	0.01290	4		0	
121.00	Arginine, Post-col Ninhydrin Der (%)	0227	0.55500	0.01000	0.53778	0.01204	0.01290	4		0	
121.01	Arginine, Pre-col OPA Der (%)	0970	0.54300	0.01000				1		0	
121.02	Arginine, Post-col OPA Der (%)	2023	0.55500	0.01000				1		0	
121.05	Arginine, Pre-col AQC Der (%)	0676	0.58000	0.00000				1		0	
121.99	Arginine, Miscellaneous (%)	2115	0.48900	0.02400				1		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0870	0.62955	0.00890	0.66451	0.03255	0.01498	4		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0504	0.64500	0.03000	0.66451	0.03255	0.01498	4		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0227	0.68500	0.01000	0.66451	0.03255	0.01498	4		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0171	0.69850	0.01100	0.66451	0.03255	0.01498	4		0	
122.01	Aspartic, Pre-col OPA Der (%)	0970	0.63300	0.01000				1		0	
122.02	Aspartic, Post-col OPA Der (%)	2023	0.63500	0.05000				1		0	
122.05	Aspartic, Pre-col AQC Der (%)	0676	0.68000	0.00000				1		0	
122.99	Aspartic, Miscellaneous (%)	2115	0.64550	0.01300				1		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0870	0.21050	0.00100	0.23775	0.02233	0.00550	4		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0171	0.23550	0.01100	0.23775	0.02233	0.00550	4		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0227	0.24000	0.00000	0.23775	0.02233	0.00550	4		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0504	0.26500	0.01000	0.23775	0.02233	0.00550	4		0	
124.01	Cysteine/Cystine, PAO Pre-col OPA Der (%)	0970	0.25600	0.01000				1		0	
124.02	Cysteine/Cystine, PAO Post-col OPA Der (%)	2023	0.24000	0.00000				1		0	
124.99	Cysteine/Cystine, Miscellaneous (%)	2115	0.23600	0.02400				1		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0504	3.0400	0.10000				3		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0870	3.0683	0.08590				3		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0227	3.0750	0.01000				3		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0171	2.7550	0.05200				3		2	
125.01	Glutamic, Pre-col OPA Der (%)	0970	2.9150	0.01000				1		0	
125.02	Glutamic, Post-col OPA Der (%)	2023	3.2700	0.14000				1		0	
125.05	Glutamic, Pre-col AQC Der (%)	0676	3.1100	0.08000				1		0	
125.99	Glutamic, Miscellaneous (%)	2115	3.1210	0.06400				1		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0171	0.41050	0.01500	0.43003	0.02035	0.01340	4		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0870	0.41460	0.00860	0.43003	0.02035	0.01340	4		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0227	0.44500	0.01000	0.43003	0.02035	0.01340	4		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0504	0.45000	0.02000	0.43003	0.02035	0.01340	4		0	
126.01	Glycine, Pre-col OPA Der (%)	0970	0.42100	0.00600				1		0	
126.05	Glycine, Pre-col AQC Der (%)	0676	0.46000	0.00000				1		0	
126.99	Glycine, Miscellaneous (%)	2115	0.43000	0.00600				1		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0870	0.23160	0.00280	0.24765	0.01092	0.00470	4		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0504	0.25000	0.00000	0.24765	0.01092	0.00470	4		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0171	0.25400	0.00600	0.24765	0.01092	0.00470	4		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0227	0.25500	0.01000	0.24765	0.01092	0.00470	4		0	
127.01	Histidine, Pre-col OPA Der (%)	0970	0.22700	0.00000				1		0	

Test Material Code # 201744

Method Proficiency Testing Report

Issue Date : 01/31/2018

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
127.02	Histidine, Post-col OPA Der (%)	2023	0.27000	0.00000				1		0	
127.05	Histidine, Pre-col AQC Der (%)	0676	0.27000	0.00000				1		0	
127.99	Histidine, Miscellaneous (%)	2115	0.24550	0.01500				1		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0227	0.42500	0.01000	0.44040	0.01715	0.01535	4		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0870	0.42610	0.02640	0.44040	0.01715	0.01535	4		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0504	0.45500	0.01000	0.44040	0.01715	0.01535	4		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0171	0.45550	0.01500	0.44040	0.01715	0.01535	4		0	
128.01	Isoleucine, Pre-col OPA Der (%)	0970	0.41900	0.00800				1		0	
128.02	Isoleucine, Post-col OPA Der (%)	2023	0.42000	0.02000				1		0	
128.05	Isoleucine, Pre-col AQC Der (%)	0676	0.41000	0.00000				1		0	
128.99	Isoleucine, Miscellaneous (%)	2115	0.41550	0.01100				1		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0870	0.73400	0.00960	0.79050	0.04175	0.01140	4		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0227	0.78500	0.01000	0.79050	0.04175	0.01140	4		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0504	0.81500	0.01000	0.79050	0.04175	0.01140	4		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0171	0.82800	0.01600	0.79050	0.04175	0.01140	4		0	
129.01	Leucine, Pre-col OPA Der (%)	0970	0.79400	0.00800				1		0	
129.02	Leucine, Post-col OPA Der (%)	2023	0.80500	0.03000				1		0	
129.05	Leucine, Pre-col AQC Der (%)	0676	0.79500	0.01000				1		0	
129.99	Leucine, Miscellaneous (%)	2115	0.79000	0.00600				1		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0171	0.31250	0.00500	0.37085	0.05311	0.01125	4		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0227	0.35500	0.03000	0.37085	0.05311	0.01125	4		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0870	0.37590	0.01000	0.37085	0.05311	0.01125	4		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0504	0.44000	0.00000	0.37085	0.05311	0.01125	4		0	
130.01	L-Lysine, Pre-col OPA Der (%)	0970	0.36300	0.00400				1		0	
130.02	L-Lysine, Post-col OPA Der (%)	2023	0.40500	0.01000				1		0	
130.05	L-Lysine, Pre-col AQC Der (%)	0676	0.41500	0.01000				1		0	
130.99	L-Lysine, Miscellaneous (%)	2115	0.39500	0.00600				1		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0870	0.17445	0.00350	0.19111	0.01274	0.00438	4		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0504	0.19000	0.00000	0.19111	0.01274	0.00438	4		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0227	0.19500	0.01000	0.19111	0.01274	0.00438	4		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0171	0.20500	0.00400	0.19111	0.01274	0.00438	4		0	
131.01	Methionine, PAO Pre-col OPA Der (%)	0970	0.18400	0.00600				1		0	
131.02	Methionine, PAO Post-col OPA Der (%)	2023	0.18000	0.00000				1		0	
131.99	Methionine, Miscellaneous (%)	2115	0.18200	0.00400				1		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0870	0.59480	0.00240	0.62883	0.02679	0.01035	4		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0227	0.62000	0.00000	0.62883	0.02679	0.01035	4		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0504	0.65000	0.02000	0.62883	0.02679	0.01035	4		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0171	0.65050	0.01900	0.62883	0.02679	0.01035	4		0	
132.01	Phenylalanine, Pre-col OPA Der (%)	0970	0.64450	0.00700				1		0	
132.02	Phenylalanine, Post-col OPA Der (%)	2023	0.61500	0.03000				1		0	
132.05	Phenylalanine, Pre-col AQC Der (%)	0676	0.63500	0.01000				1		0	

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
132.99	Phenylalanine, Miscellaneous (%)	2115	0.62950	0.04500				1		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0171	1.2970	0.02000	1.3646	0.06787	0.03263	4		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0870	1.3215	0.03050	1.3646	0.06787	0.03263	4		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0504	1.3950	0.01000	1.3646	0.06787	0.03263	4		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0227	1.4450	0.07000	1.3646	0.06787	0.03263	4		0	
133.05	Proline, Pre-col AQC Der (%)	0676	1.3950	0.03000				1		0	
133.99	Proline, Miscellaneous (%)	2115	1.1585	0.00700				3		0	
133.99	Proline, Miscellaneous (%)	0970	1.3500	0.00000				3		0	
133.99	Proline, Miscellaneous (%)	2023	1.3550	0.01000				3		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0504	0.43500	0.01000	0.48415	0.04386	0.00940	4		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0870	0.46510	0.00660	0.48415	0.04386	0.00940	4		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0227	0.50000	0.00000	0.48415	0.04386	0.00940	4		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0171	0.53650	0.02100	0.48415	0.04386	0.00940	4		0	
134.01	Serine, Pre-col OPA Der (%)	0970	0.47600	0.00200				1		0	
134.02	Serine, Post-col OPA Der (%)	2023	0.46000	0.02000				1		0	
134.05	Serine, Pre-col AQC Der (%)	0676	0.50500	0.01000				1		0	
134.99	Serine, Miscellaneous (%)	2115	0.48500	0.00800				1		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0870	0.36105	0.00470	0.37764	0.01795	0.01093	4		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0504	0.36500	0.01000	0.37764	0.01795	0.01093	4		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0227	0.38500	0.01000	0.37764	0.01795	0.01093	4		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0171	0.39950	0.01900	0.37764	0.01795	0.01093	4		0	
135.01	Threonine, Pre-col OPA Der (%)	0970	0.36850	0.00300				1		0	
135.02	Threonine, Post-col OPA Der (%)	2023	0.36000	0.02000				1		0	
135.05	Threonine, Pre-col AQC Der (%)	0676	0.38500	0.01000				1		0	
135.99	Threonine, Miscellaneous (%)	2115	0.36450	0.00500				1		0	
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0870	0.12635	0.00370				2		0	
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0227	0.18000	0.00000				2		0	
136.02	Tryptophan, Alka-Hydrol Post-col OPA De (%)	2023	0.18000	0.12000				1		0	
136.03	Tryptophan, Alka-Hydrol + IS RP LC FI (%)	2114	0.13500	0.01000				1		0	
136.99	Tryptophan, Miscellaneous (%)	0504	0.13500	0.01000				3		0	
136.99	Tryptophan, Miscellaneous (%)	0970	0.15850	0.00300				3		0	
136.99	Tryptophan, Miscellaneous (%)	0969	0.16950	0.00300				3		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0504	0.28500	0.03000	0.31113	0.02304	0.01640	4		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0171	0.29850	0.01500	0.31113	0.02304	0.01640	4		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0227	0.33000	0.02000	0.31113	0.02304	0.01640	4		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0870	0.33100	0.00060	0.31113	0.02304	0.01640	4		0	
137.01	Tyrosine, Pre-col OPA Der (%)	0970	0.38850	0.02300				1		0	
137.02	Tyrosine, Post-col OPA Der (%)	2023	0.26500	0.01000				1		0	
137.05	Tyrosine, Pre-col AQC Der (%)	0676	0.41000	0.02000				1		0	
137.99	Tyrosine, Miscellaneous (%)	2115	0.23600	0.12200				1		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0870	0.55935	0.00510	0.59084	0.02178	0.01378	4		0	

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
138.00	Valine, Post-col Ninhydrin Der (%)	0504	0.59500	0.01000	0.59084	0.02178	0.01378	4		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0227	0.60000	0.02000	0.59084	0.02178	0.01378	4		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0171	0.60900	0.02000	0.59084	0.02178	0.01378	4		0	
138.01	Valine, Pre-col OPA Der (%)	0970	0.58500	0.00400				1		0	
138.02	Valine, Post-col OPA Der (%)	2023	0.55500	0.03000				1		0	
138.05	Valine, Pre-col AQC Der (%)	0676	0.61500	0.01000				1		0	
138.99	Valine, Miscellaneous (%)	2115	0.57450	0.01100				1		0	
139.00	Taurine, Post-col Ninhydrin Der (%)	0970	0.00820	0.00000				3		0	
139.00	Taurine, Post-col Ninhydrin Der (%)	0969	0.02000	0.00000				3		0	
139.00	Taurine, Post-col Ninhydrin Der (%)	0504	0.19500	0.03000				3		0	
139.99	Taurine, Miscellaneous (%)	2115	0.15900	0.00800				1		0	
160.99	Fructose, Miscellaneous (%)	2136	0.10500	0.01000				1		0	
160.99	Fructose, Miscellaneous (%)	0969	0.00000	0.00000				1		4	
160.99	Fructose, Miscellaneous (%)	0970	0.00000	0.00000				1		4	
160.99	Fructose, Miscellaneous (%)	2165	0.00000	0.00000				1		4	
161.99	Galactose, Miscellaneous (%)	0969	0.00000	0.00000				0		4	
161.99	Galactose, Miscellaneous (%)	0970	0.00000	0.00000				0		4	
162.99	Glucose, Miscellaneous (%)	2136	0.06000	0.00000				1		0	
162.99	Glucose, Miscellaneous (%)	0969	0.00000	0.00000				1		4	
162.99	Glucose, Miscellaneous (%)	0970	0.00000	0.00000				1		4	
162.99	Glucose, Miscellaneous (%)	2165	0.00000	0.00000				1		4	
163.99	Lactose, Miscellaneous (%)	0969	0.00000	0.00000				0		4	
163.99	Lactose, Miscellaneous (%)	0970	0.00000	0.00000				0		4	
163.99	Lactose, Miscellaneous (%)	2165	0.00000	0.00000				0		4	
164.99	Maltose, Miscellaneous (%)	0969	0.10000	0.00000				3		0	
164.99	Maltose, Miscellaneous (%)	0970	0.10000	0.00000				3		0	
164.99	Maltose, Miscellaneous (%)	2136	0.14500	0.01000				3		0	
164.99	Maltose, Miscellaneous (%)	0227	0.30500	0.05000				3		1	
164.99	Maltose, Miscellaneous (%)	2165	0.00000	0.00000				3		4	
165.99	Sucrose, Miscellaneous (%)	0969	0.97500	0.01000	1.0075	0.02901	0.04000	4		0	
165.99	Sucrose, Miscellaneous (%)	0970	1.0000	0.00000	1.0075	0.02901	0.04000	4		0	
165.99	Sucrose, Miscellaneous (%)	0227	1.0100	0.14000	1.0075	0.02901	0.04000	4		0	
165.99	Sucrose, Miscellaneous (%)	2136	1.0450	0.01000	1.0075	0.02901	0.04000	4		0	
165.99	Sucrose, Miscellaneous (%)	2165	0.75000	0.08000	1.0075	0.02901	0.04000	4		2	
400.01	Water activity, Aqualab chilled mirror (Units)	0407	0.51855	0.00710				2		0	
400.01	Water activity, Aqualab chilled mirror (Units)	2165	0.52450	0.02100				2		0	
516.00	Arsenic, total, AA, Hydride (mg / kg (ppm))	0171	0.11500	0.00000				1		0	
516.43	Arsenic, total, ICP, Microwave (mg / kg (ppm))	2124	0.04500	0.09000				0		4	
518.41	Cadmium, ICP, Dry ash (mg / kg (ppm))	0171	0.01200	0.00400				1		0	
518.43	Cadmium, ICP, Microwave (mg / kg (ppm))	2033	0.01000	0.00000				2		0	
518.43	Cadmium, ICP, Microwave (mg / kg (ppm))	2124	0.02500	0.01000				2		0	

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0164	0.01100	0.00000				3		0	
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0227	0.01100	0.00000				3		0	
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0553	0.01230	0.00080				3		0	
520.41	Chromium, ICP, Dry ash (mg / kg (ppm))	0171	0.09300	0.00200				1		0	
526.41	Lead, ICP, Dry ash (mg / kg (ppm))	0171	0.02600	0.04800				1		0	
539.41	Nickel, ICP, Dry ash (mg / kg (ppm))	0171	0.08300	0.00600				1		0	
710.99	Lauric Acid (12:0), Miscellaneous (% (w/w))	2124	0.00000	0.00000				0		4	
714.99	Myristic Acid (14:0 ), Miscellaneous (% (w/w))	2124	0.01000	0.00000				1		0	
716.99	Palmitic Acid (16:0), Miscellaneous (% (w/w))	2124	0.41000	0.00000				1		0	
718.99	Palmitoleic Acid (9c-16:1), Miscellaneous (% (w/w))	2124	0.00000	0.00000				0		4	
722.99	Stearic Acid (18:0), Miscellaneous (% (w/w))	2124	0.04500	0.00000				1		0	
724.99	Oleic Acid (9c-18:1), Miscellaneous (% (w/w))	2124	0.29850	0.00100				1		0	
726.99	Linoleic Acid (9c,12c-18:2), Miscellaneous (% (w/w))	2124	0.94150	0.00300				1		0	
728.99	alpha-Linolenic Acid (9c,12c,15c-18:3), Miscellaneous (% (w/w))	2124	0.03650	0.00100				1		0	
740.99	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-21:5), Miscellaneous (% (w/w))	2124	0.00000	0.00000				0		4	
750.99	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-22:6), Miscellaneous (% (w/w))	2124	0.00000	0.00000				0		4	
754.99	Total n-3 Polyunsaturated (Omega-3) Fatty Acids, Miscellaneous (% (w/w))	2124	0.04000	0.00000				1		0	
756.99	Total n-6 Polyunsaturated (Omega-6) Fatty Acids, Miscellaneous (% (w/w))	2124	0.94650	0.00300				1		0	
772.99	Total Fatty Acids, Miscellaneous (% (w/w))	2124	1.7600	0.00000				1		0	

Notes: Interpreting Z Scores: Red indicates a normally distributed Z value >3 or <-3 (requires action), Orange = Z between 2 and 3 or -2 and -3 (warning) and Green = Z < 2 and >-2 (OK at 95%). Flags indicate data usage: 0 = Used, 1 = Rejected for duplicates too far apart, 2 = Rejected as outlier, 5 = A reporting limit and 4 = zeros submitted as values. Robust statistics not used if < 6 labs reporting, in the case of 4 or 5 labs reporting Means and SD's may be reported based on Raw Data with obvious blunders removed (Mandel h and k exclusions apply; Grey). Flag 3 indicates not used in statistics.