

Meat and Bone Meal

Pet Food Scheme

Labs Reporting: 53

Test Material Code # 201743

Method Proficiency Testing Report

Issue Date : 10/31/2017

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 (%)	0034	4.3000	0.08000	5.2479	0.65693	0.05075	4			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0309	5.3650	0.05000	5.2479	0.65693	0.05075	4			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0027	5.5265	0.05300	5.2479	0.65693	0.05075	4			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	2167	5.8000	0.02000	5.2479	0.65693	0.05075	4			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0504	4.7750	0.51000	5.2479	0.65693	0.05075	4			1
001.03	Loss on Drying, Low temp. methods (%)	2124	5.1900	0.04000				1			0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0065	4.7750	0.07000	5.1411	0.28279	0.10079	8	-1.29	4%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0407	4.9900	0.00500	5.1411	0.28279	0.10079	8	-0.53	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2115	5.0086	0.05130	5.1411	0.28279	0.10079	8	-0.47	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0098	5.0400	0.16000	5.1411	0.28279	0.10079	8	-0.36	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0171	5.1350	0.01000	5.1411	0.28279	0.10079	8	-0.02	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0003	5.2200	0.06000	5.1411	0.28279	0.10079	8	0.28	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0074	5.3950	0.27000	5.1411	0.28279	0.10079	8	0.90	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0529	5.8400	0.18000	5.1411	0.28279	0.10079	8	2.47	7%	0
001.08	Loss on Drying, 102°C 16 hr, in meat (%)	2165	5.1800	0.08000				1			0
001.99	Loss on Drying, Miscellaneous (%)	2136	4.5500	0.30000				3			0
001.99	Loss on Drying, Miscellaneous (%)	0510	4.7000	0.00000				3			0
001.99	Loss on Drying, Miscellaneous (%)	0676	5.3400	0.00000				3			0
002.01	Protein, Auto Kjell-Foss (%)	0164	49.540	0.18000				3			0
002.01	Protein, Auto Kjell-Foss (%)	2023	50.485	0.21000				3			0
002.01	Protein, Auto Kjell-Foss (%)	0870	50.879	0.47300				3			0
002.02	Protein, Semiauto Autoanalyzer (%)	0042	50.070	0.16000				1			0
002.04	Protein, Copper Catalyst (%)	2122	50.560	0.00000				2			0
002.04	Protein, Copper Catalyst (%)	0504	50.825	0.51000				2			0
002.05	Protein, Copper, Boric Acid (%)	2058	50.360	0.02000				3			0
002.05	Protein, Copper, Boric Acid (%)	2167	50.710	0.04000				3			0
002.05	Protein, Copper, Boric Acid (%)	2136	50.850	0.10000				3			0
002.05	Protein, Copper, Boric Acid (%)	2115	51.610	0.41420				3			1
002.06	Protein, Combustion Nitrogen Analyzer (%)	0510	49.300	0.20000	50.842	0.69062	0.60230	42	-2.23	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0529	49.620	0.98000	50.842	0.69062	0.60230	42	-1.77	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2016	49.840	1.2600	50.842	0.69062	0.60230	42	-1.45	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0065	49.966	0.39600	50.842	0.69062	0.60230	42	-1.27	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0034	50.068	0.15000	50.842	0.69062	0.60230	42	-1.12	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 (%)	0676	50.155	1.6900	50.842	0.69062	0.60230	42	-0.99	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0202	50.156	1.2800	50.842	0.69062	0.60230	42	-0.99	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0554	50.195	0.37000	50.842	0.69062	0.60230	42	-0.94	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0650	50.265	0.79000	50.842	0.69062	0.60230	42	-0.84	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2168	50.265	0.03000	50.842	0.69062	0.60230	42	-0.84	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0003	50.345	2.4100	50.842	0.69062	0.60230	42	-0.72	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0417	50.350	0.24000	50.842	0.69062	0.60230	42	-0.71	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0042	50.355	0.33000	50.842	0.69062	0.60230	42	-0.70	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2050	50.425	0.01000	50.842	0.69062	0.60230	42	-0.60	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0051	50.500	0.60000	50.842	0.69062	0.60230	42	-0.49	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0870	50.517	0.77620	50.842	0.69062	0.60230	42	-0.47	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0098	50.700	1.8000	50.842	0.69062	0.60230	42	-0.21	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0880	50.779	0.62500	50.842	0.69062	0.60230	42	-0.09	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2058	50.830	0.02000	50.842	0.69062	0.60230	42	-0.02	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2165	50.880	1.9200	50.842	0.69062	0.60230	42	0.06	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0171	50.890	0.54000	50.842	0.69062	0.60230	42	0.07	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2089	50.905	1.5500	50.842	0.69062	0.60230	42	0.09	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2162	50.910	0.90000	50.842	0.69062	0.60230	42	0.10	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0047	51.000	0.20000	50.842	0.69062	0.60230	42	0.23	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0026	51.068	0.04400	50.842	0.69062	0.60230	42	0.33	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0164	51.070	0.06000	50.842	0.69062	0.60230	42	0.33	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2095	51.105	0.55000	50.842	0.69062	0.60230	42	0.38	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0876	51.120	0.24000	50.842	0.69062	0.60230	42	0.40	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0242	51.160	1.0200	50.842	0.69062	0.60230	42	0.46	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0027	51.180	0.12000	50.842	0.69062	0.60230	42	0.49	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2124	51.225	0.21000	50.842	0.69062	0.60230	42	0.55	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0309	51.241	0.49950	50.842	0.69062	0.60230	42	0.58	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0504	51.255	0.29000	50.842	0.69062	0.60230	42	0.60	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0074	51.280	0.08000	50.842	0.69062	0.60230	42	0.63	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2169	51.487	1.2680	50.842	0.69062	0.60230	42	0.93	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0511	51.505	0.01000	50.842	0.69062	0.60230	42	0.96	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0957	51.630	0.44000	50.842	0.69062	0.60230	42	1.14	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0407	51.645	0.43300	50.842	0.69062	0.60230	42	1.16	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0001	51.845	0.15000	50.842	0.69062	0.60230	42	1.45	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0964	52.063	0.28500	50.842	0.69062	0.60230	42	1.77	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0208	52.300	0.40000	50.842	0.69062	0.60230	42	2.11	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2023	53.125	0.13000	50.842	0.69062	0.60230	42	3.31	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0808	5.8850	0.01000	50.842	0.69062	0.60230	42	-65.10	44%	2
002.08	Protein, Cu/Ti (%)	0098	50.535	0.87000				1			0
002.11	Protein, NIR (%)	2050	50.660	0.00000				1			0
002.99	Protein, Miscellaneous (%)	2004	52.400	0.20000				1			0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
003.00	Fat, Eth Ext., Direct (%)	2115	8.8751	0.05940				3			0
003.00	Fat, Eth Ext., Direct (%)	0309	9.3509	0.26410				3			0
003.00	Fat, Eth Ext., Direct (%)	0026	9.4800	0.14000				3			0
003.01	Fat, Ind Eth Ext (13th ed.), Indirect (%)	0554	9.1300	0.26000				2			0
003.01	Fat, Ind Eth Ext (13th ed.), Indirect (%)	0504	10.035	0.03000				2			0
003.06	Fat, Pet Ether (%)	0164	9.1050	0.25000				2			0
003.06	Fat, Pet Ether (%)	0511	9.4000	0.42000				2			0
003.09	Fat, Soxtec, Eth Ext (%)	0027	9.3325	0.17700				2			0
003.09	Fat, Soxtec, Eth Ext (%)	0098	9.3550	0.27000				2			0
003.10	Fat, Soxtec, Pet Ether (%)	0051	8.8500	0.10000	9.4165	0.20069	0.12776	9	-2.82	3%	0
003.10	Fat, Soxtec, Pet Ether (%)	0242	9.2400	0.06000	9.4165	0.20069	0.12776	9	-0.88	1%	0
003.10	Fat, Soxtec, Pet Ether (%)	2167	9.3350	0.13000	9.4165	0.20069	0.12776	9	-0.41	0%	0
003.10	Fat, Soxtec, Pet Ether (%)	0098	9.3550	0.21000	9.4165	0.20069	0.12776	9	-0.31	0%	0
003.10	Fat, Soxtec, Pet Ether (%)	0676	9.4800	0.02000	9.4165	0.20069	0.12776	9	0.32	0%	0
003.10	Fat, Soxtec, Pet Ether (%)	2162	9.4800	0.22000	9.4165	0.20069	0.12776	9	0.32	0%	0
003.10	Fat, Soxtec, Pet Ether (%)	0870	9.4853	0.25980	9.4165	0.20069	0.12776	9	0.34	0%	0
003.10	Fat, Soxtec, Pet Ether (%)	2165	9.5400	0.02000	9.4165	0.20069	0.12776	9	0.62	1%	0
003.10	Fat, Soxtec, Pet Ether (%)	2089	10.065	0.13000	9.4165	0.20069	0.12776	9	3.23	3%	0
003.11	Fat, NIR (%)	2050	8.8600	0.00000				1			0
003.12	Fat, Hexane Ext (%)	0171	9.2050	0.11000				1			0
003.13	Fat, Soxtec, Hexane Ext. (%)	0098	9.2450	0.01000				1			0
003.14	Fat, Ankom (%)	2115	8.6183	0.02070	9.3071	0.40403	0.19220	7	-1.71	4%	0
003.14	Fat, Ankom (%)	0202	9.0830	0.03400	9.3071	0.40403	0.19220	7	-0.55	1%	0
003.14	Fat, Ankom (%)	0529	9.1600	0.26000	9.3071	0.40403	0.19220	7	-0.36	1%	0
003.14	Fat, Ankom (%)	0034	9.4050	0.23000	9.3071	0.40403	0.19220	7	0.24	1%	0
003.14	Fat, Ankom (%)	0876	9.4250	0.11000	9.3071	0.40403	0.19220	7	0.29	1%	0
003.14	Fat, Ankom (%)	0407	9.6209	0.26070	9.3071	0.40403	0.19220	7	0.78	2%	0
003.14	Fat, Ankom (%)	0003	9.7550	0.43000	9.3071	0.40403	0.19220	7	1.11	2%	0
003.99	Fat, Miscellaneous (%)	0880	6.8000	0.20000	9.3988	1.7824	0.07750	4			0
003.99	Fat, Miscellaneous (%)	0047	9.6850	0.01000	9.3988	1.7824	0.07750	4			0
003.99	Fat, Miscellaneous (%)	2136	10.450	0.10000	9.3988	1.7824	0.07750	4			0
003.99	Fat, Miscellaneous (%)	2122	10.660	0.00000	9.3988	1.7824	0.07750	4			0
004.00	Fiber, Crude, Asbestos Free (%)	2165	1.0550	0.29000	1.6253	0.30360	0.15726	10	-1.88	18%	0
004.00	Fiber, Crude, Asbestos Free (%)	2023	1.3850	0.17000	1.6253	0.30360	0.15726	10	-0.79	7%	0
004.00	Fiber, Crude, Asbestos Free (%)	2004	1.4200	0.00000	1.6253	0.30360	0.15726	10	-0.68	6%	0
004.00	Fiber, Crude, Asbestos Free (%)	0511	1.4500	0.30000	1.6253	0.30360	0.15726	10	-0.58	5%	0
004.00	Fiber, Crude, Asbestos Free (%)	2167	1.6200	0.06000	1.6253	0.30360	0.15726	10	-0.02	0%	0
004.00	Fiber, Crude, Asbestos Free (%)	0208	1.7550	0.03000	1.6253	0.30360	0.15726	10	0.43	4%	0
004.00	Fiber, Crude, Asbestos Free (%)	0309	1.7624	0.03260	1.6253	0.30360	0.15726	10	0.45	4%	0
004.00	Fiber, Crude, Asbestos Free (%)	0164	1.8000	0.20000	1.6253	0.30360	0.15726	10	0.58	5%	0
004.00	Fiber, Crude, Asbestos Free (%)	0171	1.8100	0.08000	1.6253	0.30360	0.15726	10	0.61	6%	0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
004.00	Fiber, Crude, Asbestos Free (%)	0504	3.2750	0.41000	1.6253	0.30360	0.15726	10	5.43	51%	0
004.03	Fiber, Fritted Glass (%)	2089	1.5700	0.18000				2			0
004.03	Fiber, Fritted Glass (%)	2058	1.7550	0.03000				2			0
004.06	Fiber, Fibertec (%)	2115	1.3484	0.13090				3			0
004.06	Fiber, Fibertec (%)	0676	1.7600	0.12000				3			0
004.06	Fiber, Fibertec (%)	0027	1.7865	0.28900				3			0
004.07	Fiber, ANKOM (%)	2115	1.3050	0.07000	2.3076	0.76792	0.23081	14	-1.31	22%	0
004.07	Fiber, ANKOM (%)	0242	1.5850	0.19000	2.3076	0.76792	0.23081	14	-0.94	16%	0
004.07	Fiber, ANKOM (%)	0529	1.6200	0.18000	2.3076	0.76792	0.23081	14	-0.90	15%	0
004.07	Fiber, ANKOM (%)	0407	1.6572	0.13030	2.3076	0.76792	0.23081	14	-0.85	14%	0
004.07	Fiber, ANKOM (%)	0510	1.8500	0.10000	2.3076	0.76792	0.23081	14	-0.60	10%	0
004.07	Fiber, ANKOM (%)	0026	2.1000	0.20000	2.3076	0.76792	0.23081	14	-0.27	4%	0
004.07	Fiber, ANKOM (%)	0003	2.1900	0.36000	2.3076	0.76792	0.23081	14	-0.15	3%	0
004.07	Fiber, ANKOM (%)	0042	2.3050	0.49000	2.3076	0.76792	0.23081	14	0.00	0%	0
004.07	Fiber, ANKOM (%)	0876	2.6300	0.10000	2.3076	0.76792	0.23081	14	0.42	7%	0
004.07	Fiber, ANKOM (%)	0870	2.6509	0.05500	2.3076	0.76792	0.23081	14	0.45	7%	0
004.07	Fiber, ANKOM (%)	0074	2.6800	0.32000	2.3076	0.76792	0.23081	14	0.48	8%	0
004.07	Fiber, ANKOM (%)	0034	2.8150	0.51000	2.3076	0.76792	0.23081	14	0.66	11%	0
004.07	Fiber, ANKOM (%)	2124	3.8400	0.08000	2.3076	0.76792	0.23081	14	2.00	33%	0
004.07	Fiber, ANKOM (%)	0202	6.2170	0.44600	2.3076	0.76792	0.23081	14	5.09	85%	0
005.00	Ash, 2h @ 600°C (%)	0027	31.794	0.01500	32.324	0.41175	0.33843	28	-1.29	1%	0
005.00	Ash, 2h @ 600°C (%)	0808	31.805	0.07000	32.324	0.41175	0.33843	28	-1.26	1%	0
005.00	Ash, 2h @ 600°C (%)	0529	31.830	0.02000	32.324	0.41175	0.33843	28	-1.20	1%	0
005.00	Ash, 2h @ 600°C (%)	0407	31.889	0.33060	32.324	0.41175	0.33843	28	-1.06	1%	0
005.00	Ash, 2h @ 600°C (%)	0098	31.905	0.65000	32.324	0.41175	0.33843	28	-1.02	1%	0
005.00	Ash, 2h @ 600°C (%)	2016	31.955	0.45000	32.324	0.41175	0.33843	28	-0.90	1%	0
005.00	Ash, 2h @ 600°C (%)	0957	31.980	0.24000	32.324	0.41175	0.33843	28	-0.84	1%	0
005.00	Ash, 2h @ 600°C (%)	0964	31.994	0.06600	32.324	0.41175	0.33843	28	-0.80	1%	0
005.00	Ash, 2h @ 600°C (%)	0650	32.000	0.80000	32.324	0.41175	0.33843	28	-0.79	1%	0
005.00	Ash, 2h @ 600°C (%)	0511	32.145	0.73000	32.324	0.41175	0.33843	28	-0.44	0%	0
005.00	Ash, 2h @ 600°C (%)	0870	32.178	0.29630	32.324	0.41175	0.33843	28	-0.36	0%	0
005.00	Ash, 2h @ 600°C (%)	0510	32.225	0.15000	32.324	0.41175	0.33843	28	-0.24	0%	0
005.00	Ash, 2h @ 600°C (%)	2162	32.235	0.01000	32.324	0.41175	0.33843	28	-0.22	0%	0
005.00	Ash, 2h @ 600°C (%)	0164	32.255	0.15000	32.324	0.41175	0.33843	28	-0.17	0%	0
005.00	Ash, 2h @ 600°C (%)	0208	32.350	0.50000	32.324	0.41175	0.33843	28	0.06	0%	0
005.00	Ash, 2h @ 600°C (%)	0504	32.430	0.38000	32.324	0.41175	0.33843	28	0.26	0%	0
005.00	Ash, 2h @ 600°C (%)	0171	32.450	0.02000	32.324	0.41175	0.33843	28	0.31	0%	0
005.00	Ash, 2h @ 600°C (%)	2124	32.450	0.16000	32.324	0.41175	0.33843	28	0.31	0%	0
005.00	Ash, 2h @ 600°C (%)	0880	32.520	0.05700	32.324	0.41175	0.33843	28	0.47	0%	0
005.00	Ash, 2h @ 600°C (%)	0051	32.550	1.7000	32.324	0.41175	0.33843	28	0.55	0%	0
005.00	Ash, 2h @ 600°C (%)	0042	32.570	0.02000	32.324	0.41175	0.33843	28	0.60	0%	0

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005.00	Ash, 2h @ 600°C (%)	0001	32.636	0.16120	32.324	0.41175	0.33843	28	0.76	0%	0
005.00	Ash, 2h @ 600°C (%)	2089	32.640	0.66000	32.324	0.41175	0.33843	28	0.77	0%	0
005.00	Ash, 2h @ 600°C (%)	2115	32.745	0.05000	32.324	0.41175	0.33843	28	1.02	1%	0
005.00	Ash, 2h @ 600°C (%)	0876	32.785	0.31000	32.324	0.41175	0.33843	28	1.12	1%	0
005.00	Ash, 2h @ 600°C (%)	0047	32.900	0.40000	32.324	0.41175	0.33843	28	1.40	1%	0
005.00	Ash, 2h @ 600°C (%)	0309	32.925	0.05000	32.324	0.41175	0.33843	28	1.46	1%	0
005.00	Ash, 2h @ 600°C (%)	0242	33.015	1.0300	32.324	0.41175	0.33843	28	1.68	1%	0
005.00	Ash, 2h @ 600°C (%)	0417	24.450	1.7800	32.324	0.41175	0.33843	28	-19.12	12%	2
005.05	Ash, 3h @ 550°C (%)	2167	32.275	0.11000	32.605	0.29701	0.09800	5			0
005.05	Ash, 3h @ 550°C (%)	0003	32.500	0.00000	32.605	0.29701	0.09800	5			0
005.05	Ash, 3h @ 550°C (%)	2058	32.555	0.03000	32.605	0.29701	0.09800	5			0
005.05	Ash, 3h @ 550°C (%)	2165	32.610	0.14000	32.605	0.29701	0.09800	5			0
005.05	Ash, 3h @ 550°C (%)	0065	33.085	0.21000	32.605	0.29701	0.09800	5			0
005.05	Ash, 3h @ 550°C (%)	2050	31.950	1.0000	32.605	0.29701	0.09800	5			1
005.11	Ash, NIR (%)	2050	29.060	0.00000				1			0
005.99	Ash, Miscellaneous (%)	2169	32.133	0.32600	32.689	0.51555	0.48300	7	-1.08	1%	0
005.99	Ash, Miscellaneous (%)	2136	32.200	0.20000	32.689	0.51555	0.48300	7	-0.95	1%	0
005.99	Ash, Miscellaneous (%)	2023	32.505	0.23000	32.689	0.51555	0.48300	7	-0.36	0%	0
005.99	Ash, Miscellaneous (%)	2004	32.550	0.10000	32.689	0.51555	0.48300	7	-0.27	0%	0
005.99	Ash, Miscellaneous (%)	0676	33.050	0.86000	32.689	0.51555	0.48300	7	0.70	1%	0
005.99	Ash, Miscellaneous (%)	0970	33.150	1.3000	32.689	0.51555	0.48300	7	0.90	1%	0
005.99	Ash, Miscellaneous (%)	0202	33.233	0.36500	32.689	0.51555	0.48300	7	1.06	1%	0
006.99	Total sugars, Miscellaneous (%)	0970	0.00000	0.00000				0			4
006.99	Total sugars, Miscellaneous (%)	2165	0.00000	0.00000				0			4
008.02	Fiber, Acid Detergent (%)	0309	2.8723	0.05410				3			0
008.02	Fiber, Acid Detergent (%)	0504	3.2550	0.21000				3			0
008.02	Fiber, Acid Detergent (%)	2115	5.1208	0.01350				3			0
008.08	Fiber, Acid Detergent, ANKOM (%)	2004	2.8000	0.22000	4.5767	1.5061	0.13164	5			0
008.08	Fiber, Acid Detergent, ANKOM (%)	0870	3.5443	0.13940	4.5767	1.5061	0.13164	5			0
008.08	Fiber, Acid Detergent, ANKOM (%)	0164	4.3000	0.20000	4.5767	1.5061	0.13164	5			0
008.08	Fiber, Acid Detergent, ANKOM (%)	0529	6.0350	0.09000	4.5767	1.5061	0.13164	5			0
008.08	Fiber, Acid Detergent, ANKOM (%)	0407	6.2040	0.00880	4.5767	1.5061	0.13164	5			0
009.04	Fiber, Neutral Det-No ENZ Pretreat (%)	0504	34.400	2.7800				1			0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0309	30.569	0.81880				1			0
009.09	Fiber, Neutral Detergent, ANKOM (%)	2004	24.800	2.0000	34.053	6.7294	0.97040	5			0
009.09	Fiber, Neutral Detergent, ANKOM (%)	2115	29.302	0.14620	34.053	6.7294	0.97040	5			0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0870	37.596	1.7227	34.053	6.7294	0.97040	5			0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0164	37.600	0.80000	34.053	6.7294	0.97040	5			0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0407	40.968	0.18310	34.053	6.7294	0.97040	5			0
010.03	Moisture, Karl-Fischer (%)	0164	6.3550	0.13000				1			0
010.11	Moisture, NIR (%)	2050	5.6200	0.00000				1			0

Test Material Code # 201743

Method Proficiency Testing Report

Issue Date : 10/31/2017

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	
010.99	Moisture, Miscellaneous (%)	0970	4.5200	0.06000	5.1436	0.62309	0.08626	7	-1.00	6%	0
010.99	Moisture, Miscellaneous (%)	2004	4.8450	0.09000	5.1436	0.62309	0.08626	7	-0.48	3%	0
010.99	Moisture, Miscellaneous (%)	2122	4.9000	0.00000	5.1436	0.62309	0.08626	7	-0.39	2%	0
010.99	Moisture, Miscellaneous (%)	2089	4.9050	0.09000	5.1436	0.62309	0.08626	7	-0.38	2%	0
010.99	Moisture, Miscellaneous (%)	0964	5.0370	0.03600	5.1436	0.62309	0.08626	7	-0.17	1%	0
010.99	Moisture, Miscellaneous (%)	2167	5.7200	0.04000	5.1436	0.62309	0.08626	7	0.93	6%	0
010.99	Moisture, Miscellaneous (%)	2169	6.5747	0.28780	5.1436	0.62309	0.08626	7	2.30	14%	0
011.01	Loss on Drying, 135°C 2hr (%)	0554	4.9650	0.21000	5.7566	0.27868	0.17091	22	-2.84	7%	0
011.01	Loss on Drying, 135°C 2hr (%)	0876	5.2700	0.04000	5.7566	0.27868	0.17091	22	-1.75	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0164	5.3000	0.20000	5.7566	0.27868	0.17091	22	-1.64	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	2016	5.4500	0.54000	5.7566	0.27868	0.17091	22	-1.10	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0098	5.5150	0.55000	5.7566	0.27868	0.17091	22	-0.87	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0510	5.5500	0.10000	5.7566	0.27868	0.17091	22	-0.74	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0511	5.6250	0.07000	5.7566	0.27868	0.17091	22	-0.47	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0870	5.6910	0.20910	5.7566	0.27868	0.17091	22	-0.24	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0208	5.7350	0.09000	5.7566	0.27868	0.17091	22	-0.08	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0309	5.7800	0.06000	5.7566	0.27868	0.17091	22	0.08	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0242	5.8100	0.04000	5.7566	0.27868	0.17091	22	0.19	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0051	5.8450	0.19000	5.7566	0.27868	0.17091	22	0.32	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	2168	5.8600	0.12000	5.7566	0.27868	0.17091	22	0.37	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	2162	5.8800	0.12000	5.7566	0.27868	0.17091	22	0.44	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0202	5.9105	0.07300	5.7566	0.27868	0.17091	22	0.55	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0171	5.9150	0.03000	5.7566	0.27868	0.17091	22	0.57	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0957	5.9150	0.25000	5.7566	0.27868	0.17091	22	0.57	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0650	5.9300	0.60000	5.7566	0.27868	0.17091	22	0.62	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0047	5.9500	0.10000	5.7566	0.27868	0.17091	22	0.69	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0407	5.9925	0.00900	5.7566	0.27868	0.17091	22	0.85	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	2058	6.1000	0.08000	5.7566	0.27868	0.17091	22	1.23	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0880	6.2365	0.07900	5.7566	0.27868	0.17091	22	1.72	4%	0
011.02	Loss on Drying, 130°C for 2 hours (%)	0417	5.9600	0.10000				3			0
011.02	Loss on Drying, 130°C for 2 hours (%)	2023	5.9900	0.04000				3			0
011.02	Loss on Drying, 130°C for 2 hours (%)	2083	6.3750	0.05000				3			0
011.03	Loss on drying, 130°C, 1 hour, Flour (%)	0808	5.8200	0.10000				1			0
011.99	Loss on Drying, High Temp. Methods Miscellaneo	2095	5.7000	0.40000				1			0
012.01	Starch, Megazyme (%)	0676	0.43000	0.10000				3			0
012.01	Starch, Megazyme (%)	0870	0.44255	0.02230				3			0
012.01	Starch, Megazyme (%)	2004	0.49500	0.03000				3			0
012.04	Starch, YSI Analyzer (%)	0510	0.70000	0.00000				1			0
013.00	Fat, Acid hydrolysis (%)	2115	9.7407	0.05130	10.273	0.29602	0.38400	10	-1.80	3%	0
013.00	Fat, Acid hydrolysis (%)	0242	10.040	0.22000	10.273	0.29602	0.38400	10	-0.79	1%	0
013.00	Fat, Acid hydrolysis (%)	2004	10.100	0.40000	10.273	0.29602	0.38400	10	-0.59	1%	0

Test Material Code # 201743

Method Proficiency Testing Report

Issue Date : 10/31/2017

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 (%)	0504	10.195	0.49000	10.273	0.29602	0.38400	10	-0.26	0%	0
013.00	Fat, Acid hydrolysis (%)	0970	10.200	0.20000	10.273	0.29602	0.38400	10	-0.25	0%	0
013.00	Fat, Acid hydrolysis (%)	2016	10.235	0.83000	10.273	0.29602	0.38400	10	-0.13	0%	0
013.00	Fat, Acid hydrolysis (%)	0202	10.450	0.27700	10.273	0.29602	0.38400	10	0.59	1%	0
013.00	Fat, Acid hydrolysis (%)	0098	10.455	0.31000	10.273	0.29602	0.38400	10	0.61	1%	0
013.00	Fat, Acid hydrolysis (%)	0309	10.513	0.50170	10.273	0.29602	0.38400	10	0.81	1%	0
013.00	Fat, Acid hydrolysis (%)	2023	11.230	0.56000	10.273	0.29602	0.38400	10	3.23	5%	0
013.02	Fat, Mojonnier, Bak Ext (%)	2058	9.4400	0.12000	10.544	0.21399	0.18681	14	-5.16	5%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0808	10.330	0.28000	10.544	0.21399	0.18681	14	-1.00	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0208	10.350	0.30000	10.544	0.21399	0.18681	14	-0.91	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0065	10.405	0.15000	10.544	0.21399	0.18681	14	-0.65	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0957	10.415	0.25000	10.544	0.21399	0.18681	14	-0.60	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0171	10.460	0.20000	10.544	0.21399	0.18681	14	-0.39	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0510	10.500	0.20000	10.544	0.21399	0.18681	14	-0.21	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0511	10.585	0.49000	10.544	0.21399	0.18681	14	0.19	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0676	10.630	0.12000	10.544	0.21399	0.18681	14	0.40	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0870	10.675	0.06200	10.544	0.21399	0.18681	14	0.61	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0164	10.700	0.16000	10.544	0.21399	0.18681	14	0.73	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0001	10.732	0.07330	10.544	0.21399	0.18681	14	0.88	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0051	10.750	0.10000	10.544	0.21399	0.18681	14	0.96	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0650	11.015	0.11000	10.544	0.21399	0.18681	14	2.20	2%	0
013.10	Fat, Soxtec-Acid Hydrolysis (%)	2095	9.5000	0.20000	9.8613	0.32048	0.22250	4			0
013.10	Fat, Soxtec-Acid Hydrolysis (%)	2124	9.8150	0.19000	9.8613	0.32048	0.22250	4			0
013.10	Fat, Soxtec-Acid Hydrolysis (%)	2162	9.8500	0.12000	9.8613	0.32048	0.22250	4			0
013.10	Fat, Soxtec-Acid Hydrolysis (%)	2167	10.280	0.38000	9.8613	0.32048	0.22250	4			0
013.13	Fat, Ankom- Acid Hydrolysis (%)	0074	7.9250	0.65000				3			0
013.13	Fat, Ankom- Acid Hydrolysis (%)	0042	9.6300	1.2000				3			0
013.13	Fat, Ankom- Acid Hydrolysis (%)	0407	11.393	0.00880				3			0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0510	74.500	1.0000				1			0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0510	1.0000	0.00000				1			0
019.00	Calcium, Ox-Mn04 Vol. (%)	2115	12.166	0.02570				1			0
019.31	Calcium, AAS, Dry ash (%)	0529	11.615	0.91000				3			0
019.31	Calcium, AAS, Dry ash (%)	0001	12.285	0.23000				3			0
019.31	Calcium, AAS, Dry ash (%)	0650	13.700	0.60000				3			0
019.41	Calcium, ICP, Dry ash (%)	0098	11.345	0.07000	11.857	0.55049	0.47410	8	-0.93	2%	0
019.41	Calcium, ICP, Dry ash (%)	0164	11.450	0.10000	11.857	0.55049	0.47410	8	-0.74	2%	0
019.41	Calcium, ICP, Dry ash (%)	0003	11.500	0.20000	11.857	0.55049	0.47410	8	-0.65	2%	0
019.41	Calcium, ICP, Dry ash (%)	0051	11.600	0.16000	11.857	0.55049	0.47410	8	-0.47	1%	0
019.41	Calcium, ICP, Dry ash (%)	0511	11.915	0.87000	11.857	0.55049	0.47410	8	0.11	0%	0
019.41	Calcium, ICP, Dry ash (%)	0074	11.920	0.30000	11.857	0.55049	0.47410	8	0.12	0%	0
019.41	Calcium, ICP, Dry ash (%)	0208	12.440	1.7800	11.857	0.55049	0.47410	8	1.06	2%	0

Test Material Code # 201743

Method Proficiency Testing Report

Issue Date : 10/31/2017

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	
019.41	Calcium, ICP, Dry ash (%)	0407	12.687	0.31280	11.857	0.55049	0.47410	8	1.51	4%	0
019.42	Calcium, ICP, Open vessel (%)	0870	10.790	0.22000				2			0
019.42	Calcium, ICP, Open vessel (%)	0042	13.050	0.70000				2			0
019.43	Calcium, ICP, Microwave (%)	2165	9.6500	0.50000	11.371	0.51645	0.37491	10	-3.33	8%	0
019.43	Calcium, ICP, Microwave (%)	2058	10.949	0.31600	11.371	0.51645	0.37491	10	-0.82	2%	0
019.43	Calcium, ICP, Microwave (%)	2136	11.100	0.20000	11.371	0.51645	0.37491	10	-0.53	1%	0
019.43	Calcium, ICP, Microwave (%)	0202	11.166	0.40200	11.371	0.51645	0.37491	10	-0.40	1%	0
019.43	Calcium, ICP, Microwave (%)	0510	11.195	0.17000	11.371	0.51645	0.37491	10	-0.34	1%	0
019.43	Calcium, ICP, Microwave (%)	2124	11.460	0.16000	11.371	0.51645	0.37491	10	0.17	0%	0
019.43	Calcium, ICP, Microwave (%)	0098	11.620	0.32000	11.371	0.51645	0.37491	10	0.48	1%	0
019.43	Calcium, ICP, Microwave (%)	0027	11.731	0.52300	11.371	0.51645	0.37491	10	0.70	2%	0
019.43	Calcium, ICP, Microwave (%)	2089	11.750	0.44000	11.371	0.51645	0.37491	10	0.73	2%	0
019.43	Calcium, ICP, Microwave (%)	0964	12.363	0.71810	11.371	0.51645	0.37491	10	1.92	4%	0
019.44	Calcium, ICP, Dry ash (%)	2023	9.7750	0.07000	11.063	1.0300	0.19120	5			0
019.44	Calcium, ICP, Dry ash (%)	2114	10.383	0.07600	11.063	1.0300	0.19120	5			0
019.44	Calcium, ICP, Dry ash (%)	0970	11.250	0.50000	11.063	1.0300	0.19120	5			0
019.44	Calcium, ICP, Dry ash (%)	2004	11.450	0.30000	11.063	1.0300	0.19120	5			0
019.44	Calcium, ICP, Dry ash (%)	0065	12.455	0.01000	11.063	1.0300	0.19120	5			0
019.52	Calcium, ICP-MS, Open vessel (%)	0047	12.665	0.01000				1			0
019.53	Calcium, ICP-MS, Microwave (%)	0034	12.556	1.5760				1			0
019.99	Calcium, Miscellaneous (%)	0676	11.035	0.53000				2			0
019.99	Calcium, Miscellaneous (%)	0242	11.325	0.01000				2			0
021.31	Cobalt, AAS, Dry ash (mg / kg (ppm))	0164	1.6500	0.10000				1			0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0964	0.22755	0.05970				2			0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0510	0.24000	0.02000				2			0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0529	13.720	3.3200				1			0
022.32	Copper, AAS, Open vessel (mg / kg (ppm))	0504	10.200	0.80000				1			0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0098	6.9500	0.58000	9.5491	2.2754	0.67941	8	-1.14	14%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0208	7.8770	0.11800	9.5491	2.2754	0.67941	8	-0.73	9%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0407	7.9062	0.03730	9.5491	2.2754	0.67941	8	-0.72	9%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0164	9.0000	0.20000	9.5491	2.2754	0.67941	8	-0.24	3%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0051	9.6600	0.50000	9.5491	2.2754	0.67941	8	0.05	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0511	10.500	1.0000	9.5491	2.2754	0.67941	8	0.42	5%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0074	12.000	2.0000	9.5491	2.2754	0.67941	8	1.08	13%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0003	12.500	1.0000	9.5491	2.2754	0.67941	8	1.30	15%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0870	8.2705	0.46300				2			0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0042	17.700	3.6000				2			0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0098	6.1550	0.31000	9.2223	1.5625	0.23326	7	-1.96	17%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	2165	7.8500	0.30000	9.2223	1.5625	0.23326	7	-0.88	7%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	2124	9.0450	0.49000	9.2223	1.5625	0.23326	7	-0.11	1%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0202	9.9720	0.35000	9.2223	1.5625	0.23326	7	0.48	4%	0

Test Material Code # 201743

Method Proficiency Testing Report

Issue Date : 10/31/2017

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))	0510	10.000	0.00000	9.2223	1.5625	0.23326	7	0.50	4%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0964	10.310	0.18280	9.2223	1.5625	0.23326	7	0.70	6%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	2033	10.500	0.00000	9.2223	1.5625	0.23326	7	0.82	7%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	2089	9.9150	1.7300	9.2223	1.5625	0.23326	7	0.44	4%	1
022.44	Copper, ICP, Dry ash (mg / kg (ppm))	0970	9.2600	0.06000				3			0
022.44	Copper, ICP, Dry ash (mg / kg (ppm))	2114	10.640	0.59600				3			0
022.44	Copper, ICP, Dry ash (mg / kg (ppm))	2004	10.700	0.20000				3			0
022.53	Copper, ICP-MS, Microwave (mg / kg (ppm))	2136	8.9400	1.1600				2			0
022.53	Copper, ICP-MS, Microwave (mg / kg (ppm))	2023	8.9500	0.22000				2			0
022.99	Copper, Miscellaneous (mg / kg (ppm))	0242	9.5000	1.0000				1			0
024.99	Iodine, Miscellaneous (mg / kg (ppm))	0970	1.6900	0.06000				1			0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0529	186.40	18.940				1			0
025.32	Iron, AAS, Open vessel (mg / kg (ppm))	0504	209.35	5.1000				1			0
025.33	Iron, AAS, Microwave (mg / kg (ppm))	0504	185.95	3.1000				1			0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0208	156.15	14.500	183.63	18.698	20.401	11	-1.47	7%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	2114	172.23	2.8790	183.63	18.698	20.401	11	-0.61	3%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0407	173.13	0.23270	183.63	18.698	20.401	11	-0.56	3%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0164	175.00	8.0000	183.63	18.698	20.401	11	-0.46	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0511	175.00	10.000	183.63	18.698	20.401	11	-0.46	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0970	176.00	6.0000	183.63	18.698	20.401	11	-0.41	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0051	185.00	30.000	183.63	18.698	20.401	11	0.07	0%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0098	192.80	20.800	183.63	18.698	20.401	11	0.49	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	2004	200.00	18.000	183.63	18.698	20.401	11	0.88	4%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0003	203.00	68.000	183.63	18.698	20.401	11	1.04	5%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0074	224.00	46.000	183.63	18.698	20.401	11	2.16	11%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0870	202.55	13.500				2			0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0042	232.50	39.000				2			0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2089	112.80	16.020	176.63	30.631	6.2805	8	-2.08	18%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2165	145.00	10.000	176.63	30.631	6.2805	8	-1.03	9%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0510	168.00	0.00000	176.63	30.631	6.2805	8	-0.28	2%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2033	182.00	0.00000	176.63	30.631	6.2805	8	0.18	2%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2023	186.00	8.0000	176.63	30.631	6.2805	8	0.31	3%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2136	192.50	3.0000	176.63	30.631	6.2805	8	0.52	4%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0964	202.56	2.4240	176.63	30.631	6.2805	8	0.85	7%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0098	206.30	10.800	176.63	30.631	6.2805	8	0.97	8%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2124	199.50	51.000	176.63	30.631	6.2805	8	0.75	6%	1
025.53	Iron, ICP-MS, Microwave (mg / kg (ppm))	0034	180.40	4.2000				1			0
025.99	Iron, Miscellaneous (mg / kg (ppm))	0242	189.00	8.0000				1			0
027.31	Magnesium, AAS, Dry ash (%)	0529	0.23500	0.01000				2			0
027.31	Magnesium, AAS, Dry ash (%)	0650	0.28800	0.01600				2			0
027.41	Magnesium, ICP, Dry ash (%)	0407	0.21385	0.00670	0.23402	0.01897	0.01296	8	-1.06	4%	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 (%)	0051	0.21930	0.01300	0.23402	0.01897	0.01296	8	-0.78	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0003	0.22500	0.01000	0.23402	0.01897	0.01296	8	-0.48	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0164	0.22750	0.01100	0.23402	0.01897	0.01296	8	-0.34	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0208	0.22800	0.00800	0.23402	0.01897	0.01296	8	-0.32	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0098	0.24500	0.01000	0.23402	0.01897	0.01296	8	0.58	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0074	0.25350	0.00500	0.23402	0.01897	0.01296	8	1.03	4%	0
027.41	Magnesium, ICP, Dry ash (%)	0511	0.26000	0.04000	0.23402	0.01897	0.01296	8	1.37	6%	0
027.42	Magnesium, ICP, Open vessel (%)	0870	0.22165	0.00350				2			0
027.42	Magnesium, ICP, Open vessel (%)	0042	0.24450	0.00300				2			0
027.43	Magnesium, ICP, Microwave (%)	0510	0.19000	0.00000	0.22958	0.02472	0.00414	9	-1.60	9%	0
027.43	Magnesium, ICP, Microwave (%)	2165	0.20000	0.00000	0.22958	0.02472	0.00414	9	-1.20	6%	0
027.43	Magnesium, ICP, Microwave (%)	2136	0.22100	0.01200	0.22958	0.02472	0.00414	9	-0.35	2%	0
027.43	Magnesium, ICP, Microwave (%)	0202	0.22650	0.00100	0.22958	0.02472	0.00414	9	-0.12	1%	0
027.43	Magnesium, ICP, Microwave (%)	0098	0.24000	0.00000	0.22958	0.02472	0.00414	9	0.42	2%	0
027.43	Magnesium, ICP, Microwave (%)	2089	0.24000	0.02000	0.22958	0.02472	0.00414	9	0.42	2%	0
027.43	Magnesium, ICP, Microwave (%)	2124	0.24000	0.00000	0.22958	0.02472	0.00414	9	0.42	2%	0
027.43	Magnesium, ICP, Microwave (%)	2033	0.24900	0.00000	0.22958	0.02472	0.00414	9	0.79	4%	0
027.43	Magnesium, ICP, Microwave (%)	0964	0.25725	0.00430	0.22958	0.02472	0.00414	9	1.12	6%	0
027.44	Magnesium, ICP, Dry ash (%)	2114	0.20400	0.00600				3			0
027.44	Magnesium, ICP, Dry ash (%)	0970	0.23300	0.00800				3			0
027.44	Magnesium, ICP, Dry ash (%)	2004	0.24000	0.00400				3			0
027.44	Magnesium, ICP, Dry ash (%)	2023	0.26450	0.05900				3			1
027.44	Magnesium, ICP, Dry ash (%)	0065	5.8900	0.02000				3			2
027.53	Magnesium, ICP-MS, Microwave (%)	0034	0.25075	0.01250				1			0
027.99	Magnesium, Miscellaneous (%)	0242	0.23000	0.00000				1			0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0529	19.185	1.4900				1			0
028.32	Manganese, AAS, Open vessel (mg / kg (ppm))	0504	17.475	1.3100				1			0
028.33	Manganese, AAS, Microwave (mg / kg (ppm))	0504	14.540	0.80000				1			0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0208	12.010	1.0400	14.443	1.3792	0.94360	7	-1.76	8%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0003	14.000	0.00000	14.443	1.3792	0.94360	7	-0.32	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0164	14.000	0.00000	14.443	1.3792	0.94360	7	-0.32	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0407	14.269	0.18520	14.443	1.3792	0.94360	7	-0.13	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0511	15.000	0.00000	14.443	1.3792	0.94360	7	0.40	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0051	15.205	1.9500	14.443	1.3792	0.94360	7	0.55	3%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0098	16.255	3.4300	14.443	1.3792	0.94360	7	1.31	6%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0074	20.500	9.0000	14.443	1.3792	0.94360	7	4.39	21%	1
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0870	12.265	0.57000				2			0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0042	18.100	1.6000				2			0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0510	13.000	0.00000	15.439	0.99162	2.0113	7	-2.46	8%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2033	15.100	0.00000	15.439	0.99162	2.0113	7	-0.34	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2089	15.240	0.76000	15.439	0.99162	2.0113	7	-0.20	1%	0

Test Material Code # 201743

Method Proficiency Testing Report

Issue Date : 10/31/2017

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	
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0098	15.335	0.29000	15.439	0.99162	2.0113	7	-0.10	0%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0964	15.658	1.1413	15.439	0.99162	2.0113	7	0.22	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0202	15.861	0.51800	15.439	0.99162	2.0113	7	0.43	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2124	20.635	11.370	15.439	0.99162	2.0113	7	5.24	17%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2165	33.500	39.000	15.439	0.99162	2.0113	7	18.21	58%	1
028.44	Manganese, ICP, Dry ash (mg / kg (ppm))	2114	12.239	0.34800	13.960	1.2819	0.43700	4			0
028.44	Manganese, ICP, Dry ash (mg / kg (ppm))	0970	13.750	0.30000	13.960	1.2819	0.43700	4			0
028.44	Manganese, ICP, Dry ash (mg / kg (ppm))	2023	14.750	0.90000	13.960	1.2819	0.43700	4			0
028.44	Manganese, ICP, Dry ash (mg / kg (ppm))	2004	15.100	0.20000	13.960	1.2819	0.43700	4			0
028.53	Manganese, ICP-MS, Microwave (mg / kg (ppm))	0034	14.665	1.0100				2			0
028.53	Manganese, ICP-MS, Microwave (mg / kg (ppm))	2136	16.150	0.10000				2			0
028.99	Manganese, Miscellaneous (mg / kg (ppm))	0242	15.500	1.0000				1			0
031.01	Phosphorus, Photometric (%)	0529	5.4350	0.05000	5.6242	0.15998	0.14470	6	-1.18	2%	0
031.01	Phosphorus, Photometric (%)	0511	5.5100	0.24000	5.6242	0.15998	0.14470	6	-0.71	1%	0
031.01	Phosphorus, Photometric (%)	0650	5.6150	0.47000	5.6242	0.15998	0.14470	6	-0.06	0%	0
031.01	Phosphorus, Photometric (%)	2115	5.6327	0.06520	5.6242	0.15998	0.14470	6	0.05	0%	0
031.01	Phosphorus, Photometric (%)	2058	5.7300	0.04000	5.6242	0.15998	0.14470	6	0.66	1%	0
031.01	Phosphorus, Photometric (%)	0208	5.8225	0.00300	5.6242	0.15998	0.14470	6	1.24	2%	0
031.03	Phosphorus, Autoanalyzer (%)	0504	5.6050	0.07000				2			0
031.03	Phosphorus, Autoanalyzer (%)	0001	5.6175	0.02700				2			0
031.41	Phosphorus, ICP, Dry ash (%)	0003	3.9600	0.04000	5.5193	0.60929	0.09698	6	-2.56	14%	0
031.41	Phosphorus, ICP, Dry ash (%)	0074	5.2050	0.13000	5.5193	0.60929	0.09698	6	-0.52	3%	0
031.41	Phosphorus, ICP, Dry ash (%)	0098	5.5375	0.03100	5.5193	0.60929	0.09698	6	0.03	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0164	5.8050	0.05000	5.5193	0.60929	0.09698	6	0.47	3%	0
031.41	Phosphorus, ICP, Dry ash (%)	0407	5.9703	0.21890	5.5193	0.60929	0.09698	6	0.74	4%	0
031.41	Phosphorus, ICP, Dry ash (%)	0051	5.9926	0.11200	5.5193	0.60929	0.09698	6	0.78	4%	0
031.41	Phosphorus, ICP, Dry ash (%)	0208	6.3775	1.2450	5.5193	0.60929	0.09698	6	1.41	8%	1
031.42	Phosphorus, ICP, Open vessel (%)	0870	5.1495	0.17700				3			0
031.42	Phosphorus, ICP, Open vessel (%)	0504	5.5650	0.40000				3			0
031.42	Phosphorus, ICP, Open vessel (%)	0042	5.7450	0.87000				3			0
031.43	Phosphorus, ICP, Microwave (%)	2165	4.6500	0.10000	5.5248	0.33064	0.16673	9	-2.65	8%	0
031.43	Phosphorus, ICP, Microwave (%)	0202	5.2740	0.01400	5.5248	0.33064	0.16673	9	-0.76	2%	0
031.43	Phosphorus, ICP, Microwave (%)	2089	5.4050	0.21000	5.5248	0.33064	0.16673	9	-0.36	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0027	5.4200	0.37200	5.5248	0.33064	0.16673	9	-0.32	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0510	5.4750	0.07000	5.5248	0.33064	0.16673	9	-0.15	0%	0
031.43	Phosphorus, ICP, Microwave (%)	2124	5.6350	0.11000	5.5248	0.33064	0.16673	9	0.33	1%	0
031.43	Phosphorus, ICP, Microwave (%)	2058	5.7150	0.05000	5.5248	0.33064	0.16673	9	0.58	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0098	5.7495	0.37900	5.5248	0.33064	0.16673	9	0.68	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0964	6.1448	0.19560	5.5248	0.33064	0.16673	9	1.88	6%	0
031.44	Phosphorus, ICP, Dry ash (%)	2023	4.6500	0.30000	5.1851	0.45598	0.19325	4			0
031.44	Phosphorus, ICP, Dry ash (%)	2114	4.9855	0.10300	5.1851	0.45598	0.19325	4			0

Test Material Code # 201743

Method Proficiency Testing Report

Issue Date : 10/31/2017

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			
031.44	Phosphorus, ICP, Dry ash (%)	0970	5.4350	0.23000	5.1851	0.45598	0.19325	4			0
031.44	Phosphorus, ICP, Dry ash (%)	2004	5.6700	0.14000	5.1851	0.45598	0.19325	4			0
031.44	Phosphorus, ICP, Dry ash (%)	0065	0.25700	0.01200	5.1851	0.45598	0.19325	4			2
031.53	Phosphorus, ICP-MS, Microwave (%)	2136	5.3000	0.32000				1			0
031.99	Phosphorus, Miscellaneous (%)	0242	5.3950	0.03000				2			0
031.99	Phosphorus, Miscellaneous (%)	0676	5.5350	0.09000				2			0
032.02	Potassium, Flame Emission (%)	0504	0.27000	0.00000				1			0
032.31	Potassium, AAS, Dry ash (%)	0650	0.27750	0.01100				2			0
032.31	Potassium, AAS, Dry ash (%)	0529	0.30500	0.05000				2			0
032.41	Potassium, ICP, Dry ash (%)	0407	0.25805	0.00870	0.29737	0.01267	0.01624	8	-3.10	7%	0
032.41	Potassium, ICP, Dry ash (%)	0164	0.29000	0.02000	0.29737	0.01267	0.01624	8	-0.58	1%	0
032.41	Potassium, ICP, Dry ash (%)	0208	0.29250	0.00900	0.29737	0.01267	0.01624	8	-0.38	1%	0
032.41	Potassium, ICP, Dry ash (%)	0003	0.29500	0.01000	0.29737	0.01267	0.01624	8	-0.19	0%	0
032.41	Potassium, ICP, Dry ash (%)	0074	0.30000	0.02000	0.29737	0.01267	0.01624	8	0.21	0%	0
032.41	Potassium, ICP, Dry ash (%)	0511	0.30000	0.04000	0.29737	0.01267	0.01624	8	0.21	0%	0
032.41	Potassium, ICP, Dry ash (%)	0051	0.30670	0.02220	0.29737	0.01267	0.01624	8	0.74	2%	0
032.41	Potassium, ICP, Dry ash (%)	0098	0.32000	0.00000	0.29737	0.01267	0.01624	8	1.79	4%	0
032.42	Potassium, ICP, Open vessel (%)	0870	0.27525	0.00910				3			0
032.42	Potassium, ICP, Open vessel (%)	0504	0.29650	0.00700				3			0
032.42	Potassium, ICP, Open vessel (%)	0042	0.38350	0.19100				3			0
032.43	Potassium, ICP, Microwave (%)	2165	0.27000	0.00000	0.30436	0.02648	0.01753	10	-1.30	6%	0
032.43	Potassium, ICP, Microwave (%)	2136	0.27900	0.01600	0.30436	0.02648	0.01753	10	-0.96	4%	0
032.43	Potassium, ICP, Microwave (%)	0202	0.28750	0.03300	0.30436	0.02648	0.01753	10	-0.64	3%	0
032.43	Potassium, ICP, Microwave (%)	2124	0.29500	0.01000	0.30436	0.02648	0.01753	10	-0.35	2%	0
032.43	Potassium, ICP, Microwave (%)	2058	0.30050	0.01100	0.30436	0.02648	0.01753	10	-0.15	1%	0
032.43	Potassium, ICP, Microwave (%)	2089	0.30500	0.05000	0.30436	0.02648	0.01753	10	0.02	0%	0
032.43	Potassium, ICP, Microwave (%)	0027	0.31250	0.00300	0.30436	0.02648	0.01753	10	0.31	1%	0
032.43	Potassium, ICP, Microwave (%)	0098	0.31500	0.01000	0.30436	0.02648	0.01753	10	0.40	2%	0
032.43	Potassium, ICP, Microwave (%)	0510	0.33500	0.01000	0.30436	0.02648	0.01753	10	1.16	5%	0
032.43	Potassium, ICP, Microwave (%)	0964	0.34775	0.03230	0.30436	0.02648	0.01753	10	1.64	7%	0
032.44	Potassium, ICP, Dry ash (%)	2023	0.28150	0.00500	0.30600	0.03533	0.00350	4			0
032.44	Potassium, ICP, Dry ash (%)	2114	0.28450	0.00700	0.30600	0.03533	0.00350	4			0
032.44	Potassium, ICP, Dry ash (%)	0970	0.30050	0.00100	0.30600	0.03533	0.00350	4			0
032.44	Potassium, ICP, Dry ash (%)	2004	0.35750	0.00100	0.30600	0.03533	0.00350	4			0
032.44	Potassium, ICP, Dry ash (%)	0065	0.58000	0.02000	0.30600	0.03533	0.00350	4			2
032.53	Potassium, ICP-MS, Microwave (%)	0034	0.27140	0.00260				1			0
032.99	Potassium, Miscellaneous (%)	0242	0.26500	0.01000				1			0
033.00	Salt as chloride, Sol Cl (%)	0504	0.32150	0.02300				2			0
033.00	Salt as chloride, Sol Cl (%)	0309	0.41480	0.00400				2			0
033.01	Salt as chloride, Poten Cl (%)	0650	0.38000	0.04000	0.42063	0.02989	0.01975	6	-1.36	5%	0
033.01	Salt as chloride, Poten Cl (%)	0407	0.39875	0.00850	0.42063	0.02989	0.01975	6	-0.73	3%	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	
033.01	Salt as chloride, Poten CI (%)	0098	0.42500	0.03000	0.42063	0.02989	0.01975	6	0.15	1%	0
033.01	Salt as chloride, Poten CI (%)	0510	0.43000	0.04000	0.42063	0.02989	0.01975	6	0.31	1%	0
033.01	Salt as chloride, Poten CI (%)	0164	0.44000	0.00000	0.42063	0.02989	0.01975	6	0.65	2%	0
033.01	Salt as chloride, Poten CI (%)	0242	0.45000	0.00000	0.42063	0.02989	0.01975	6	0.98	3%	0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0171	0.44500	0.01000				2			0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0164	0.49500	0.07000				2			0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	0964	0.33585	0.05810				2			0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	2124	0.59500	0.11000				2			0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	2023	0.55000	0.10000				1			0
034.99	Selenium, Miscellaneous (mg / kg (ppm))	0970	0.52000	0.06000				1			0
035.05	Sodium, Flame Emission (%)	0504	0.53500	0.01000				1			0
035.31	Sodium, AAS, Dry ash (%)	0650	0.48250	0.13300				2			0
035.31	Sodium, AAS, Dry ash (%)	0529	0.55750	0.03900				2			0
035.41	Sodium, ICP, Dry ash (%)	0065	0.32500	0.03000	0.52290	0.04095	0.01425	11	-4.83	19%	0
035.41	Sodium, ICP, Dry ash (%)	0003	0.47500	0.01000	0.52290	0.04095	0.01425	11	-1.17	5%	0
035.41	Sodium, ICP, Dry ash (%)	2114	0.48500	0.00800	0.52290	0.04095	0.01425	11	-0.93	4%	0
035.41	Sodium, ICP, Dry ash (%)	0407	0.51975	0.01830	0.52290	0.04095	0.01425	11	-0.08	0%	0
035.41	Sodium, ICP, Dry ash (%)	0164	0.52350	0.00100	0.52290	0.04095	0.01425	11	0.01	0%	0
035.41	Sodium, ICP, Dry ash (%)	0970	0.53000	0.01000	0.52290	0.04095	0.01425	11	0.17	1%	0
035.41	Sodium, ICP, Dry ash (%)	0051	0.53070	0.03440	0.52290	0.04095	0.01425	11	0.19	1%	0
035.41	Sodium, ICP, Dry ash (%)	2023	0.53400	0.02400	0.52290	0.04095	0.01425	11	0.27	1%	0
035.41	Sodium, ICP, Dry ash (%)	0098	0.55500	0.01000	0.52290	0.04095	0.01425	11	0.78	3%	0
035.41	Sodium, ICP, Dry ash (%)	0208	0.56350	0.00700	0.52290	0.04095	0.01425	11	0.99	4%	0
035.41	Sodium, ICP, Dry ash (%)	2004	0.57400	0.00400	0.52290	0.04095	0.01425	11	1.25	5%	0
035.42	Sodium, ICP, Open vessel (%)	0870	0.51180	0.01340				3			0
035.42	Sodium, ICP, Open vessel (%)	0504	0.51450	0.02700				3			0
035.42	Sodium, ICP, Open vessel (%)	0042	0.60350	0.00900				3			0
035.43	Sodium, ICP, Microwave (%)	0510	0.47350	0.00300	0.52913	0.03495	0.01361	10	-1.59	5%	0
035.43	Sodium, ICP, Microwave (%)	2165	0.49000	0.00000	0.52913	0.03495	0.01361	10	-1.12	4%	0
035.43	Sodium, ICP, Microwave (%)	2136	0.50800	0.00800	0.52913	0.03495	0.01361	10	-0.60	2%	0
035.43	Sodium, ICP, Microwave (%)	2089	0.53000	0.00000	0.52913	0.03495	0.01361	10	0.03	0%	0
035.43	Sodium, ICP, Microwave (%)	0027	0.53100	0.01800	0.52913	0.03495	0.01361	10	0.05	0%	0
035.43	Sodium, ICP, Microwave (%)	0098	0.53500	0.01000	0.52913	0.03495	0.01361	10	0.17	1%	0
035.43	Sodium, ICP, Microwave (%)	2058	0.53600	0.01200	0.52913	0.03495	0.01361	10	0.20	1%	0
035.43	Sodium, ICP, Microwave (%)	0202	0.54800	0.03400	0.52913	0.03495	0.01361	10	0.54	2%	0
035.43	Sodium, ICP, Microwave (%)	2124	0.55500	0.01000	0.52913	0.03495	0.01361	10	0.74	2%	0
035.43	Sodium, ICP, Microwave (%)	0964	0.74165	0.04110	0.52913	0.03495	0.01361	10	6.08	20%	0
035.53	Sodium, ICP-MS, Microwave (%)	0034	0.51875	0.00450				1			0
035.99	Sodium, Miscellaneous (%)	0242	0.50000	0.02000				1			0
036.42	Sulfur, ICP, Open vessel (%)	0870	0.33860	0.00380				3			0
036.42	Sulfur, ICP, Open vessel (%)	0407	0.36270	0.01000				3			0

Test Material Code # 201743

Method Proficiency Testing Report

Issue Date : 10/31/2017

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 (%)	0164	0.37000	0.02000				3			0
036.43	Sulfur, ICP, Microwave (%)	0202	0.34050	0.01700	0.43151	0.09815	0.02913	6	-0.93	11%	0
036.43	Sulfur, ICP, Microwave (%)	0098	0.38445	0.01070	0.43151	0.09815	0.02913	6	-0.48	5%	0
036.43	Sulfur, ICP, Microwave (%)	2089	0.38500	0.03000	0.43151	0.09815	0.02913	6	-0.47	5%	0
036.43	Sulfur, ICP, Microwave (%)	0964	0.41535	0.10710	0.43151	0.09815	0.02913	6	-0.16	2%	0
036.43	Sulfur, ICP, Microwave (%)	0510	0.48500	0.01000	0.43151	0.09815	0.02913	6	0.55	6%	0
036.43	Sulfur, ICP, Microwave (%)	2033	0.60800	0.00000	0.43151	0.09815	0.02913	6	1.80	20%	0
036.99	Sulfur, Miscellaneous (%)	0242	0.50500	0.01000				1			0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0529	83.840	2.8200				1			0
037.32	Zinc, AAS, Open vessel (mg / kg (ppm))	0504	94.505	0.77000				1			0
037.33	Zinc, AAS, Microwave (mg / kg (ppm))	0504	85.935	1.5900				1			0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0164	74.500	3.0000	97.959	19.213	8.5311	8	-1.22	12%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0208	76.995	1.5500	97.959	19.213	8.5311	8	-1.09	11%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0407	92.324	3.3289	97.959	19.213	8.5311	8	-0.29	3%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0098	97.710	8.5800	97.959	19.213	8.5311	8	-0.01	0%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0051	98.645	8.7900	97.959	19.213	8.5311	8	0.04	0%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0511	104.00	12.000	97.959	19.213	8.5311	8	0.31	3%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0074	119.00	4.0000	97.959	19.213	8.5311	8	1.10	11%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0003	120.50	27.000	97.959	19.213	8.5311	8	1.17	12%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0870	63.170	0.16000				2			0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0042	894.00	10.000				2			0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2165	85.500	3.0000	91.431	4.7756	3.2559	9	-1.24	3%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0510	86.500	3.0000	91.431	4.7756	3.2559	9	-1.03	3%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0202	87.041	5.7000	91.431	4.7756	3.2559	9	-0.92	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2089	91.695	2.1700	91.431	4.7756	3.2559	9	0.06	0%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2033	91.700	0.00000	91.431	4.7756	3.2559	9	0.06	0%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2023	93.300	9.8000	91.431	4.7756	3.2559	9	0.39	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2124	94.750	0.70000	91.431	4.7756	3.2559	9	0.70	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0098	94.960	0.38000	91.431	4.7756	3.2559	9	0.74	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0964	97.432	4.5530	91.431	4.7756	3.2559	9	1.26	3%	0
037.44	Zinc, ICP, Dry ash (mg / kg (ppm))	2114	75.425	0.82600				3			0
037.44	Zinc, ICP, Dry ash (mg / kg (ppm))	0970	91.500	3.0000				3			0
037.44	Zinc, ICP, Dry ash (mg / kg (ppm))	2004	101.16	1.6900				3			0
037.53	Zinc, ICP-MS, Microwave (mg / kg (ppm))	2136	84.150	0.50000				1			0
037.99	Zinc, Miscellaneous (mg / kg (ppm))	0242	95.500	3.0000				1			0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0510	0.15000	0.10000				2			0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0964	0.18150	0.02920				2			0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	2023	0.23500	0.01000				1			0
042.99	Chloride, Miscellaneous (%)	0970	0.26400	0.00600				1			0
101.01	Choline Chloride, Chem (mg / kg (ppm))	2004	202.00	10.000				1			0
104.03	Riboflavin, LC (mg / kg (ppm))	2023	4.3500	0.30000				1			0

Test Material Code # 201743

Method Proficiency Testing Report

Issue Date : 10/31/2017

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			
105.00	Thiamine, LC (mg / kg (ppm))	2023	0.35000	0.10000				1		0	
106.02	Vitamin A, LC (KU / kg)	0970	0.00000	0.00000				0		4	
106.02	Vitamin A, LC (KU / kg)	2004	0.00000	0.00000				0		4	
108.99	Vitamin D3, Miscellaneous (KU / kg)	0970	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)	0970	0.00000	0.00000				0		4	
120.00	Alanine, Post-col Ninhydrin Der (%)	0870	3.7857	0.10740	4.0602	0.20870	0.06935	4		0	
120.00	Alanine, Post-col Ninhydrin Der (%)	0227	4.0550	0.09000	4.0602	0.20870	0.06935	4		0	
120.00	Alanine, Post-col Ninhydrin Der (%)	0504	4.1100	0.06000	4.0602	0.20870	0.06935	4		0	
120.00	Alanine, Post-col Ninhydrin Der (%)	0171	4.2900	0.02000	4.0602	0.20870	0.06935	4		0	
120.05	Alanine, Pre-col AQC Der (%)	0676	3.4850	0.21000				1		0	
120.99	Alanine, Miscellaneous (%)	2115	3.8230	0.05600				1		0	
121.00	Arginine, Post-col Ninhydrin Der (%)	0870	3.5185	0.05120	3.7734	0.18804	0.03030	4		0	
121.00	Arginine, Post-col Ninhydrin Der (%)	0227	3.7450	0.03000	3.7734	0.18804	0.03030	4		0	
121.00	Arginine, Post-col Ninhydrin Der (%)	0171	3.9050	0.01000	3.7734	0.18804	0.03030	4		0	
121.00	Arginine, Post-col Ninhydrin Der (%)	0504	3.9250	0.03000	3.7734	0.18804	0.03030	4		0	
121.02	Arginine, Post-col OPA Der (%)	2023	3.5700	0.02000				1		0	
121.05	Arginine, Pre-col AQC Der (%)	0676	3.5350	0.09000				1		0	
121.99	Arginine, Miscellaneous (%)	2115	3.4115	0.16900				1		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0870	3.4824	0.04710	3.6431	0.14453	0.05178	4		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0227	3.5600	0.12000	3.6431	0.14453	0.05178	4		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0504	3.7550	0.03000	3.6431	0.14453	0.05178	4		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0171	3.7750	0.01000	3.6431	0.14453	0.05178	4		0	
122.02	Aspartic, Post-col OPA Der (%)	2023	3.5200	0.22000				1		0	
122.05	Aspartic, Pre-col AQC Der (%)	0676	3.2650	0.17000				1		0	
122.99	Aspartic, Miscellaneous (%)	2115	3.3525	0.01700				1		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0227	0.36000	0.02000	0.40900	0.04848	0.00805	4		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0870	0.37600	0.01220	0.40900	0.04848	0.00805	4		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0504	0.44000	0.00000	0.40900	0.04848	0.00805	4		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0171	0.46000	0.00000	0.40900	0.04848	0.00805	4		0	
124.02	Cysteine/Cystine, PAO Post-col OPA Der (%)	2023	0.41500	0.03000				1		0	
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0676	0.40500	0.03000				1		0	
124.99	Cysteine/Cystine, Miscellaneous (%)	2115	0.31500	0.08200				1		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0171	5.0700	0.06000	5.6935	0.44928	0.07870	4		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0870	5.7039	0.09480	5.6935	0.44928	0.07870	4		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0227	5.8800	0.14000	5.6935	0.44928	0.07870	4		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0504	6.1200	0.02000	5.6935	0.44928	0.07870	4		0	
125.02	Glutamic, Post-col OPA Der (%)	2023	6.0250	0.17000				1		0	
125.05	Glutamic, Pre-col AQC Der (%)	0676	5.5600	0.16000				1		0	
125.99	Glutamic, Miscellaneous (%)	2115	6.2345	0.04300				1		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0870	7.5474	0.28400	7.9606	0.29175	0.11850	4		0	

Test Material Code # 201743

Method Proficiency Testing Report

Issue Date : 10/31/2017

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			
126.00	Glycine, Post-col Ninhydrin Der (%)	0171	7.9850	0.01000	7.9606	0.29175	0.11850	4		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0227	8.0900	0.06000	7.9606	0.29175	0.11850	4		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0504	8.2200	0.12000	7.9606	0.29175	0.11850	4		0	
126.02	Glycine, Post-col OPA Der (%)	2023	7.9600	0.30000				1		0	
126.05	Glycine, Pre-col AQC Der (%)	0676	7.0200	0.20000				1		0	
126.99	Glycine, Miscellaneous (%)	2115	7.5975	0.11300				1		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0870	0.73590	0.02960	0.83023	0.10341	0.01490	4		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0227	0.75000	0.02000	0.83023	0.10341	0.01490	4		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0171	0.89000	0.00000	0.83023	0.10341	0.01490	4		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0504	0.94500	0.01000	0.83023	0.10341	0.01490	4		0	
127.02	Histidine, Post-col OPA Der (%)	2023	0.86000	0.26000				1		0	
127.05	Histidine, Pre-col AQC Der (%)	0676	0.68000	0.04000				1		0	
127.99	Histidine, Miscellaneous (%)	2115	0.78350	0.00900				1		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0870	1.0642	0.05210	1.2960	0.17375	0.03303	4		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0227	1.2900	0.04000	1.2960	0.17375	0.03303	4		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0171	1.3500	0.02000	1.2960	0.17375	0.03303	4		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0504	1.4800	0.02000	1.2960	0.17375	0.03303	4		0	
128.02	Isoleucine, Post-col OPA Der (%)	2023	1.1850	0.05000				1		0	
128.05	Isoleucine, Pre-col AQC Der (%)	0676	1.1450	0.09000				1		0	
128.99	Isoleucine, Miscellaneous (%)	2115	1.2675	0.02100				1		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0870	2.6138	0.02580	2.7872	0.16994	0.06895	4		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0227	2.6950	0.11000	2.7872	0.16994	0.06895	4		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0171	2.8400	0.02000	2.7872	0.16994	0.06895	4		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0504	3.0000	0.12000	2.7872	0.16994	0.06895	4		0	
129.02	Leucine, Post-col OPA Der (%)	2023	2.6950	0.15000				1		0	
129.05	Leucine, Pre-col AQC Der (%)	0676	2.5300	0.18000				1		0	
129.99	Leucine, Miscellaneous (%)	2115	2.6675	0.01300				1		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0171	2.3800	0.00000	2.4934	0.14348	0.03768	4		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0870	2.3936	0.03070	2.4934	0.14348	0.03768	4		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0227	2.5100	0.06000	2.4934	0.14348	0.03768	4		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0504	2.6900	0.06000	2.4934	0.14348	0.03768	4		0	
130.02	L-Lysine, Post-col OPA Der (%)	2023	2.1850	0.13000				1		0	
130.05	L-Lysine, Pre-col AQC Der (%)	0676	2.3050	0.25000				1		0	
130.99	L-Lysine, Miscellaneous (%)	2115	2.3305	0.01900				1		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0227	0.65500	0.05000	0.68320	0.03062	0.01935	4		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0171	0.66000	0.00000	0.68320	0.03062	0.01935	4		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0504	0.70000	0.02000	0.68320	0.03062	0.01935	4		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0870	0.71780	0.00740	0.68320	0.03062	0.01935	4		0	
131.02	Methionine, PAO Post-col OPA Der (%)	2023	0.66500	0.03000				1		0	
131.05	Methionine, PAO Pre-col AQC Der (%)	0676	0.77000	0.04000				1		0	
131.99	Methionine, Miscellaneous (%)	2115	0.60050	0.00500				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			
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0227	1.5100	0.04000	1.5998	0.11160	0.02768	4		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0870	1.5144	0.02070	1.5998	0.11160	0.02768	4		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0171	1.6300	0.02000	1.5998	0.11160	0.02768	4		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0504	1.7450	0.03000	1.5998	0.11160	0.02768	4		0	
132.02	Phenylalanine, Post-col OPA Der (%)	2023	1.5550	0.09000				1		0	
132.05	Phenylalanine, Pre-col AQC Der (%)	0676	1.4350	0.11000				1		0	
132.99	Phenylalanine, Miscellaneous (%)	2115	1.7800	0.05400				1		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0870	4.5560	0.16600	4.7315	0.13930	0.16650	4		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0504	4.7200	0.44000	4.7315	0.13930	0.16650	4		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0227	4.7550	0.05000	4.7315	0.13930	0.16650	4		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0171	4.8950	0.01000	4.7315	0.13930	0.16650	4		0	
133.05	Proline, Pre-col AQC Der (%)	0676	4.3650	0.21000				1		0	
133.99	Proline, Miscellaneous (%)	2023	4.8200	0.72000				2		0	
133.99	Proline, Miscellaneous (%)	2115	4.8760	0.07400				2		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0504	1.8500	0.16000	1.9681	0.09299	0.06268	4		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0227	1.9400	0.06000	1.9681	0.09299	0.06268	4		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0171	2.0250	0.01000	1.9681	0.09299	0.06268	4		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0870	2.0574	0.02070	1.9681	0.09299	0.06268	4		0	
134.02	Serine, Post-col OPA Der (%)	2023	1.8950	0.21000				1		0	
134.05	Serine, Pre-col AQC Der (%)	0676	1.9200	0.02000				1		0	
134.99	Serine, Miscellaneous (%)	2115	1.8300	0.00000				1		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0870	1.5002	0.03470	1.5500	0.05578	0.04368	4		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0227	1.5050	0.05000	1.5500	0.05578	0.04368	4		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0504	1.5850	0.09000	1.5500	0.05578	0.04368	4		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0171	1.6100	0.00000	1.5500	0.05578	0.04368	4		0	
135.02	Threonine, Post-col OPA Der (%)	2023	1.4800	0.18000				1		0	
135.05	Threonine, Pre-col AQC Der (%)	0676	1.4650	0.03000				2		0	
135.05	Threonine, Pre-col AQC Der (%)	0027	1.5440	0.31400				2		0	
135.99	Threonine, Miscellaneous (%)	2115	1.4295	0.01100				1		0	
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0171	0.13000	0.00000				3		0	
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0870	0.26715	0.00230				3		0	
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0227	0.28000	0.02000				3		0	
136.03	Tryptophan, Alka-Hydrol + IS RP LC FI (%)	2114	0.26560	0.00060				1		0	
136.99	Tryptophan, Miscellaneous (%)	0504	0.26600	0.03600				2		0	
136.99	Tryptophan, Miscellaneous (%)	0970	0.33450	0.03300				2		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0870	0.83960	0.02760	1.0387	0.15316	0.05440	4		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0227	1.0000	0.04000	1.0387	0.15316	0.05440	4		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0171	1.1350	0.03000	1.0387	0.15316	0.05440	4		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0504	1.1800	0.12000	1.0387	0.15316	0.05440	4		0	
137.02	Tyrosine, Post-col OPA Der (%)	2023	0.95000	0.00000				1		0	
137.05	Tyrosine, Pre-col AQC Der (%)	0676	1.1050	0.11000				1		0	

Test Material Code # 201743

Method Proficiency Testing Report

Issue Date : 10/31/2017

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			
137.99	Tyrosine, Miscellaneous (%)	2115	0.86600	0.00400				1		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0870	1.6111	0.08000	1.9303	0.22909	0.06500	4		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0171	1.9600	0.02000	1.9303	0.22909	0.06500	4		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0227	1.9950	0.05000	1.9303	0.22909	0.06500	4		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0504	2.1550	0.11000	1.9303	0.22909	0.06500	4		0	
138.02	Valine, Post-col OPA Der (%)	2023	1.6300	0.32000				1		0	
138.05	Valine, Pre-col AQC Der (%)	0676	1.8200	0.12000				1		0	
138.99	Valine, Miscellaneous (%)	2115	1.9615	0.03900				1		0	
139.00	Taurine, Post-col Ninhydrin Der (%)	0970	0.03610	0.00100				3		0	
139.00	Taurine, Post-col Ninhydrin Der (%)	0171	0.05000	0.00000				3		0	
139.00	Taurine, Post-col Ninhydrin Der (%)	0227	0.05000	0.00000				3		0	
139.00	Taurine, Post-col Ninhydrin Der (%)	0504	0.06500	0.01000				3		1	
139.05	Taurine, Pre-col AQC Der (%)	0676	0.03000	0.00000				1		0	
139.99	Taurine, Miscellaneous (%)	2115	0.17500	0.01400				1		0	
160.99	Fructose, Miscellaneous (%)	0970	0.00000	0.00000				0		4	
160.99	Fructose, Miscellaneous (%)	2165	0.00000	0.00000				0		4	
161.99	Galactose, Miscellaneous (%)	0970	0.00000	0.00000				0		4	
162.99	Glucose, Miscellaneous (%)	0970	0.00000	0.00000				0		4	
162.99	Glucose, Miscellaneous (%)	2165	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 (%)	0970	0.00000	0.00000				0		4	
164.99	Maltose, Miscellaneous (%)	2165	0.00000	0.00000				0		4	
165.99	Sucrose, Miscellaneous (%)	0970	0.00000	0.00000				0		4	
165.99	Sucrose, Miscellaneous (%)	2165	0.00000	0.00000				0		4	
400.01	Water activity, Aqualab chilled mirror (Units)	0407	0.35660	0.00080				3		0	
400.01	Water activity, Aqualab chilled mirror (Units)	2167	0.36650	0.01100				3		0	
400.01	Water activity, Aqualab chilled mirror (Units)	2165	0.41000	0.00600				3		0	
400.99	Water activity, Miscellaneous (Units)	2083	0.35500	0.01000				1		0	
516.00	Arsenic, total, AA, Hydride (mg / kg (ppm))	0171	0.05400	0.00200				1		0	
516.43	Arsenic, total, ICP, Microwave (mg / kg (ppm))	2124	0.00000	0.00000				0		4	
516.53	Arsenic, total, ICP-MS, Microwave (mg / kg (ppm))	0227	0.06100	0.01600				1		0	
518.43	Cadmium, ICP, Microwave (mg / kg (ppm))	2124	0.00000	0.00000				0		4	
520.43	Chromium, ICP, Microwave (mg / kg (ppm))	0510	1.0550	0.01000				1		0	
520.53	Chromium, ICP-MS, Microwave (mg / kg (ppm))	2023	0.67000	0.16000				1		0	
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0227	0.22700	0.02200				1		0	
539.53	Nickel, ICP-MS, Microwave (mg / kg (ppm))	2023	1.6150	0.07000				1		0	
710.02	Lauric Acid (12:0), Direct Methylation by Acid-Alka	0227	0.01000	0.00000				1		0	
710.99	Lauric Acid (12:0), Miscellaneous (%) (w/w)	2124	0.01000	0.00000				1		0	
714.02	Myristic Acid (14:0), Direct Methylation by Acid-Al	0227	0.28500	0.01000				1		0	
714.99	Myristic Acid (14:0), Miscellaneous (%) (w/w)	2124	0.35000	0.00000				1		0	

Test Material Code # 201743

Method Proficiency Testing Report

Issue Date : 10/31/2017

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			
716.02	Palmitic Acid (16:0), Direct Methylation by Acid-All	0227	2.2550	0.07000				1		0	
716.99	Palmitic Acid (16:0), Miscellaneous (% (w/w))	2124	2.7850	0.03000				1		0	
718.99	Palmitoleic Acid (9c-16:1), Miscellaneous (% (w/w))	2124	0.31000	0.00000				1		0	
722.99	Stearic Acid (18:0), Miscellaneous (% (w/w))	2124	1.8900	0.04000				1		0	
724.02	Oleic Acid (9c-18:1), Direct Methylation by Acid-Al	0227	3.1900	0.12000				1		0	
724.99	Oleic Acid (9c-18:1), Miscellaneous (% (w/w))	2124	4.1700	0.08000				1		0	
726.02	Linoleic Acid (9c,12c-18:2), Direct Methylation by	0227	0.33500	0.01000				1		0	
726.99	Linoleic Acid (9c,12c-18:2), Miscellaneous (% (w/	2124	0.36500	0.01000				1		0	
728.02	alpha-Linolenic Acid (9c,12c,15c-18:3), Direct Met	0227	0.02000	0.00000				1		0	
728.99	alpha-Linolenic Acid (9c,12c,15c-18:3), Miscellane	2124	0.03000	0.00000				1		0	
732.02	Gondoic Acid (11c-20:1), Direct Methylation by Ac	0227	0.02000	0.00000				1		0	
736.02	Arachidonic Acid (5c,8c,11c,14c-20:4), Direct Metl	0227	0.06000	0.00000				1		0	
740.02	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-2l	0227	0.06000	0.00000				1		0	
740.99	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-2l	2124	0.00000	0.00000				0		4	
742.02	Behenic Acid (22:0), Direct Methylation by Acid-Al	0227	0.01000	0.00000				1		0	
748.02	Lignoceric Acid (24:0), Direct Methylation by Acid-	0227	0.01000	0.00000				1		0	
750.99	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,1	2124	0.00000	0.00000				0		4	
754.02	Total n-3 Polyunsaturated (Omega-3) Fatty Acids,	0227	0.04000	0.00000				1		0	
754.99	Total n-3 Polyunsaturated (Omega-3) Fatty Acids,	2124	0.12000	0.00000				1		0	
756.02	Total n-6 Polyunsaturated (Omega-6) Fatty Acids,	0227	0.44000	0.02000				1		0	
756.99	Total n-6 Polyunsaturated (Omega-6) Fatty Acids,	2124	0.40500	0.01000				1		0	
758.02	Total Saturated Fatty Acids, Direct Methylation by	0227	4.3050	0.15000				1		0	
766.02	Total Polyunsaturated Fatty Acids, Direct Methylat	0227	0.52000	0.02000				1		0	
772.02	Total Fatty Acids, Direct Methylation by Acid-Alkal	0227	9.3550	0.35000				1		0	
772.99	Total Fatty Acids, Miscellaneous (% (w/w))	2124	10.065	0.15000				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, 8 = Analyst data exempt 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.