

Dairy Beef Feed, Medicated

Animal Feed Scheme

Labs Reporting: 193

Test Material Code # 201728

Method Proficiency Testing Report

Issue Date : 09/30/2017

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			
000.02	Urea, As protein, Colorimetric (%)	0619	3.6950	0.05000	8.2679	4.7492	0.13571	7	-0.96	28%	0
000.02	Urea, As protein, Colorimetric (%)	0875	3.9400	0.12000	8.2679	4.7492	0.13571	7	-0.91	26%	0
000.02	Urea, As protein, Colorimetric (%)	0939	4.0450	0.09000	8.2679	4.7492	0.13571	7	-0.89	26%	0
000.02	Urea, As protein, Colorimetric (%)	0019	10.045	0.15000	8.2679	4.7492	0.13571	7	0.37	11%	0
000.02	Urea, As protein, Colorimetric (%)	0510	11.045	0.13000	8.2679	4.7492	0.13571	7	0.58	17%	0
000.02	Urea, As protein, Colorimetric (%)	0964	12.255	0.11000	8.2679	4.7492	0.13571	7	0.84	24%	0
000.02	Urea, As protein, Colorimetric (%)	0278	12.850	0.30000	8.2679	4.7492	0.13571	7	0.96	28%	0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0596	6.0600	0.20000	6.9918	0.68974	0.10825	8	-1.35	7%	0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0017	6.3500	0.10000	6.9918	0.68974	0.10825	8	-0.93	5%	0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0034	6.7800	0.10000	6.9918	0.68974	0.10825	8	-0.31	2%	0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0309	7.0000	0.00000	6.9918	0.68974	0.10825	8	0.01	0%	0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0504	7.1600	0.34000	6.9918	0.68974	0.10825	8	0.24	1%	0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0027	7.2580	0.05600	6.9918	0.68974	0.10825	8	0.39	2%	0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0169	7.3000	0.00000	6.9918	0.68974	0.10825	8	0.45	2%	0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0615	8.5050	0.07000	6.9918	0.68974	0.10825	8	2.19	11%	0
001.03	Loss on Drying, Low temp. methods (%)	0903	6.9350	0.01000	7.0300	0.12124	0.01000	4			0
001.03	Loss on Drying, Low temp. methods (%)	0895	6.9650	0.01000	7.0300	0.12124	0.01000	4			0
001.03	Loss on Drying, Low temp. methods (%)	0878	7.0150	0.01000	7.0300	0.12124	0.01000	4			0
001.03	Loss on Drying, Low temp. methods (%)	0619	7.2050	0.01000	7.0300	0.12124	0.01000	4			0
001.03	Loss on Drying, Low temp. methods (%)	0186	6.8850	0.05000	7.0300	0.12124	0.01000	4			1
001.05	Loss on Drying, LECO (%)	0610	6.8300	0.28000				2			0
001.05	Loss on Drying, LECO (%)	0644	7.1300	0.04000				2			0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0618	5.2250	0.07000	7.0807	0.25482	0.09897	38	-7.28	13%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0019	6.5000	0.20000	7.0807	0.25482	0.09897	38	-2.28	4%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0226	6.5750	0.13000	7.0807	0.25482	0.09897	38	-1.98	4%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0407	6.6567	0.13970	7.0807	0.25482	0.09897	38	-1.66	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0038	6.7000	0.40000	7.0807	0.25482	0.09897	38	-1.49	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0366	6.8500	0.10000	7.0807	0.25482	0.09897	38	-0.91	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0413	6.8500	0.10000	7.0807	0.25482	0.09897	38	-0.91	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0074	6.9000	0.14000	7.0807	0.25482	0.09897	38	-0.71	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0845	6.9050	0.05000	7.0807	0.25482	0.09897	38	-0.69	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0872	6.9200	0.08000	7.0807	0.25482	0.09897	38	-0.63	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0297	6.9350	0.07000	7.0807	0.25482	0.09897	38	-0.57	1%	0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0693	6.9653	0.03900	7.0807	0.25482	0.09897	38	-0.45	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0003	7.0000	0.00000	7.0807	0.25482	0.09897	38	-0.32	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2059	7.0250	0.11000	7.0807	0.25482	0.09897	38	-0.22	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2053	7.0400	0.10000	7.0807	0.25482	0.09897	38	-0.16	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0689	7.0500	0.10000	7.0807	0.25482	0.09897	38	-0.12	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0035	7.0650	0.05000	7.0807	0.25482	0.09897	38	-0.06	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0171	7.0750	0.15000	7.0807	0.25482	0.09897	38	-0.02	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2009	7.0840	0.00030	7.0807	0.25482	0.09897	38	0.01	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0066	7.0950	0.05000	7.0807	0.25482	0.09897	38	0.06	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0098	7.1000	0.24000	7.0807	0.25482	0.09897	38	0.08	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0083	7.1050	0.07000	7.0807	0.25482	0.09897	38	0.10	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0049	7.1400	0.08000	7.0807	0.25482	0.09897	38	0.23	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0571	7.1450	0.03000	7.0807	0.25482	0.09897	38	0.25	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2012	7.1550	0.03000	7.0807	0.25482	0.09897	38	0.29	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0278	7.1850	0.11000	7.0807	0.25482	0.09897	38	0.41	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0089	7.2000	0.00000	7.0807	0.25482	0.09897	38	0.47	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0187	7.2150	0.01000	7.0807	0.25482	0.09897	38	0.53	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0139	7.2500	0.10000	7.0807	0.25482	0.09897	38	0.66	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0849	7.2560	0.03200	7.0807	0.25482	0.09897	38	0.69	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0353	7.2750	0.37000	7.0807	0.25482	0.09897	38	0.76	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0675	7.2850	0.03000	7.0807	0.25482	0.09897	38	0.80	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0045	7.3050	0.39000	7.0807	0.25482	0.09897	38	0.88	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0581	7.3850	0.01000	7.0807	0.25482	0.09897	38	1.19	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0142	7.4250	0.01000	7.0807	0.25482	0.09897	38	1.35	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0695	7.4800	0.08000	7.0807	0.25482	0.09897	38	1.57	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0843	7.4800	0.06000	7.0807	0.25482	0.09897	38	1.57	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0529	8.4050	0.03000	7.0807	0.25482	0.09897	38	5.20	9%	0
001.08	Loss on Drying, 102°C 16 hr, in meat (%)	0590	7.3200	0.16000				2			0
001.08	Loss on Drying, 102°C 16 hr, in meat (%)	0652	7.4500	0.10000				2			0
001.99	Loss on Drying, Miscellaneous (%)	0618	5.8150	0.07000	7.1527	0.46083	0.07511	18	-2.90	9%	0
001.99	Loss on Drying, Miscellaneous (%)	0536	6.1200	0.00000	7.1527	0.46083	0.07511	18	-2.24	7%	0
001.99	Loss on Drying, Miscellaneous (%)	2155	6.5400	0.32000	7.1527	0.46083	0.07511	18	-1.33	4%	0
001.99	Loss on Drying, Miscellaneous (%)	0510	6.7500	0.10000	7.1527	0.46083	0.07511	18	-0.87	3%	0
001.99	Loss on Drying, Miscellaneous (%)	0940	6.9850	0.01000	7.1527	0.46083	0.07511	18	-0.36	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0910	7.0000	0.00000	7.1527	0.46083	0.07511	18	-0.33	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0676	7.0100	0.08000	7.1527	0.46083	0.07511	18	-0.31	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0630	7.0450	0.05000	7.1527	0.46083	0.07511	18	-0.23	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0948	7.1550	0.05000	7.1527	0.46083	0.07511	18	0.01	0%	0
001.99	Loss on Drying, Miscellaneous (%)	0912	7.2300	0.00000	7.1527	0.46083	0.07511	18	0.17	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0037	7.3000	0.08000	7.1527	0.46083	0.07511	18	0.32	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0918	7.3000	0.04000	7.1527	0.46083	0.07511	18	0.32	1%	0

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001.99	Loss on Drying, Miscellaneous (%)	0357	7.4456	0.06200	7.1527	0.46083	0.07511	18	0.64	2%	0
001.99	Loss on Drying, Miscellaneous (%)	0505	7.5250	0.05000	7.1527	0.46083	0.07511	18	0.81	3%	0
001.99	Loss on Drying, Miscellaneous (%)	0889	7.5400	0.14000	7.1527	0.46083	0.07511	18	0.84	3%	0
001.99	Loss on Drying, Miscellaneous (%)	0852	7.6150	0.07000	7.1527	0.46083	0.07511	18	1.00	3%	0
001.99	Loss on Drying, Miscellaneous (%)	0629	7.6200	0.18000	7.1527	0.46083	0.07511	18	1.01	3%	0
001.99	Loss on Drying, Miscellaneous (%)	0019	7.7650	0.05000	7.1527	0.46083	0.07511	18	1.33	4%	0
001.99	Loss on Drying, Miscellaneous (%)	0612	6.5300	0.62000	7.1527	0.46083	0.07511	18	-1.35	4%	1
002.00	Protein, Crude (%)	0940	34.180	0.14000				3			0
002.00	Protein, Crude (%)	0169	34.655	0.03000				3			0
002.00	Protein, Crude (%)	0845	34.890	0.16000				3			0
002.01	Protein, Auto Kjell-Foss (%)	0968	33.666	0.15200	34.301	0.39963	0.10011	9	-1.59	1%	0
002.01	Protein, Auto Kjell-Foss (%)	0653	33.980	0.16000	34.301	0.39963	0.10011	9	-0.80	0%	0
002.01	Protein, Auto Kjell-Foss (%)	0028	34.200	0.04000	34.301	0.39963	0.10011	9	-0.25	0%	0
002.01	Protein, Auto Kjell-Foss (%)	0889	34.225	0.03000	34.301	0.39963	0.10011	9	-0.19	0%	0
002.01	Protein, Auto Kjell-Foss (%)	0652	34.250	0.10000	34.301	0.39963	0.10011	9	-0.13	0%	0
002.01	Protein, Auto Kjell-Foss (%)	0870	34.316	0.10900	34.301	0.39963	0.10011	9	0.04	0%	0
002.01	Protein, Auto Kjell-Foss (%)	0610	34.500	0.20000	34.301	0.39963	0.10011	9	0.50	0%	0
002.01	Protein, Auto Kjell-Foss (%)	0685	34.640	0.02000	34.301	0.39963	0.10011	9	0.85	0%	0
002.01	Protein, Auto Kjell-Foss (%)	0164	34.915	0.09000	34.301	0.39963	0.10011	9	1.54	1%	0
002.01	Protein, Auto Kjell-Foss (%)	0910	33.700	0.60000	34.301	0.39963	0.10011	9	-1.51	1%	1
002.02	Protein, Semiauto Autoanalyzer (%)	0066	34.125	0.15000	34.373	0.26411	0.12358	4			0
002.02	Protein, Semiauto Autoanalyzer (%)	0036	34.299	0.05730	34.373	0.26411	0.12358	4			0
002.02	Protein, Semiauto Autoanalyzer (%)	0042	34.320	0.18000	34.373	0.26411	0.12358	4			0
002.02	Protein, Semiauto Autoanalyzer (%)	0043	34.747	0.10700	34.373	0.26411	0.12358	4			0
002.03	Protein, Hach Method (%)	0536	35.735	0.09000				1			0
002.04	Protein, Copper Catalyst (%)	0874	33.265	0.29000	35.095	2.0026	0.16000	4			0
002.04	Protein, Copper Catalyst (%)	0504	34.530	0.20000	35.095	2.0026	0.16000	4			0
002.04	Protein, Copper Catalyst (%)	0728	34.635	0.05000	35.095	2.0026	0.16000	4			0
002.04	Protein, Copper Catalyst (%)	0405	37.950	0.10000	35.095	2.0026	0.16000	4			0
002.04	Protein, Copper Catalyst (%)	0187	33.490	0.86000	35.095	2.0026	0.16000	4			1
002.05	Protein, Copper, Boric Acid (%)	2012	33.295	0.29000	34.272	0.53592	0.15639	28	-1.82	1%	0
002.05	Protein, Copper, Boric Acid (%)	0852	33.360	0.18000	34.272	0.53592	0.15639	28	-1.70	1%	0
002.05	Protein, Copper, Boric Acid (%)	0952	33.390	0.00000	34.272	0.53592	0.15639	28	-1.65	1%	0
002.05	Protein, Copper, Boric Acid (%)	2022	33.535	0.01000	34.272	0.53592	0.15639	28	-1.38	1%	0
002.05	Protein, Copper, Boric Acid (%)	2068	33.750	0.02000	34.272	0.53592	0.15639	28	-0.97	1%	0
002.05	Protein, Copper, Boric Acid (%)	0948	33.980	0.02000	34.272	0.53592	0.15639	28	-0.55	0%	0
002.05	Protein, Copper, Boric Acid (%)	0941	34.045	0.17000	34.272	0.53592	0.15639	28	-0.42	0%	0
002.05	Protein, Copper, Boric Acid (%)	0596	34.065	0.09000	34.272	0.53592	0.15639	28	-0.39	0%	0
002.05	Protein, Copper, Boric Acid (%)	0354	34.085	0.03000	34.272	0.53592	0.15639	28	-0.35	0%	0
002.05	Protein, Copper, Boric Acid (%)	0675	34.135	0.01000	34.272	0.53592	0.15639	28	-0.26	0%	0
002.05	Protein, Copper, Boric Acid (%)	0939	34.170	0.34000	34.272	0.53592	0.15639	28	-0.19	0%	0

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002.05	Protein, Copper, Boric Acid (%)	0619	34.200	0.00000	34.272	0.53592	0.15639	28	-0.14	0%	0
002.05	Protein, Copper, Boric Acid (%)	0689	34.200	0.40000	34.272	0.53592	0.15639	28	-0.14	0%	0
002.05	Protein, Copper, Boric Acid (%)	0878	34.200	0.18000	34.272	0.53592	0.15639	28	-0.14	0%	0
002.05	Protein, Copper, Boric Acid (%)	0881	34.282	0.10800	34.272	0.53592	0.15639	28	0.02	0%	0
002.05	Protein, Copper, Boric Acid (%)	2009	34.285	0.00940	34.272	0.53592	0.15639	28	0.02	0%	0
002.05	Protein, Copper, Boric Acid (%)	0674	34.300	0.00000	34.272	0.53592	0.15639	28	0.05	0%	0
002.05	Protein, Copper, Boric Acid (%)	0849	34.310	0.02000	34.272	0.53592	0.15639	28	0.07	0%	0
002.05	Protein, Copper, Boric Acid (%)	0536	34.360	0.54000	34.272	0.53592	0.15639	28	0.16	0%	0
002.05	Protein, Copper, Boric Acid (%)	0885	34.439	0.14600	34.272	0.53592	0.15639	28	0.31	0%	0
002.05	Protein, Copper, Boric Acid (%)	0903	34.675	0.01000	34.272	0.53592	0.15639	28	0.75	1%	0
002.05	Protein, Copper, Boric Acid (%)	2097	34.684	0.11760	34.272	0.53592	0.15639	28	0.77	1%	0
002.05	Protein, Copper, Boric Acid (%)	0897	34.740	0.02000	34.272	0.53592	0.15639	28	0.87	1%	0
002.05	Protein, Copper, Boric Acid (%)	2073	34.790	0.12000	34.272	0.53592	0.15639	28	0.97	1%	0
002.05	Protein, Copper, Boric Acid (%)	0552	34.800	0.02000	34.272	0.53592	0.15639	28	0.98	1%	0
002.05	Protein, Copper, Boric Acid (%)	2006	35.039	0.89800	34.272	0.53592	0.15639	28	1.43	1%	0
002.05	Protein, Copper, Boric Acid (%)	2161	35.165	0.03000	34.272	0.53592	0.15639	28	1.67	1%	0
002.05	Protein, Copper, Boric Acid (%)	0955	35.200	0.60000	34.272	0.53592	0.15639	28	1.73	1%	0
002.05	Protein, Copper, Boric Acid (%)	0895	18.955	31.030	34.272	0.53592	0.15639	28	-28.58	22%	2
002.06	Protein, Combustion Nitrogen Analyzer (%)	0539	33.195	0.51000	34.698	0.33955	0.21699	124	-4.43	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0598	33.675	0.23000	34.698	0.33955	0.21699	124	-3.01	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0407	33.725	0.07900	34.698	0.33955	0.21699	124	-2.87	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2059	33.750	0.45630	34.698	0.33955	0.21699	124	-2.79	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0047	33.800	0.20000	34.698	0.33955	0.21699	124	-2.64	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0948	34.030	0.06000	34.698	0.33955	0.21699	124	-1.97	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0646	34.075	0.39000	34.698	0.33955	0.21699	124	-1.83	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0108	34.080	0.54000	34.698	0.33955	0.21699	124	-1.82	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0870	34.101	0.02000	34.698	0.33955	0.21699	124	-1.76	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0011	34.190	0.22000	34.698	0.33955	0.21699	124	-1.49	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0956	34.200	0.40000	34.698	0.33955	0.21699	124	-1.47	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0941	34.235	0.21000	34.698	0.33955	0.21699	124	-1.36	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0695	34.256	0.22200	34.698	0.33955	0.21699	124	-1.30	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0027	34.269	0.03200	34.698	0.33955	0.21699	124	-1.26	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0034	34.275	0.26200	34.698	0.33955	0.21699	124	-1.24	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0505	34.275	0.13000	34.698	0.33955	0.21699	124	-1.24	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0878	34.305	0.05000	34.698	0.33955	0.21699	124	-1.16	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0018	34.340	0.42000	34.698	0.33955	0.21699	124	-1.05	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0038	34.349	0.11100	34.698	0.33955	0.21699	124	-1.03	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0033	34.350	0.30000	34.698	0.33955	0.21699	124	-1.02	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0861	34.375	0.05000	34.698	0.33955	0.21699	124	-0.95	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2155	34.385	0.75000	34.698	0.33955	0.21699	124	-0.92	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0148	34.410	0.24000	34.698	0.33955	0.21699	124	-0.85	0%	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 (%)	0202	34.416	0.21400	34.698	0.33955	0.21699	124	-0.83	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0039	34.440	0.02400	34.698	0.33955	0.21699	124	-0.76	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0630	34.450	0.02000	34.698	0.33955	0.21699	124	-0.73	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0019	34.460	0.68000	34.698	0.33955	0.21699	124	-0.70	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0848	34.460	0.12000	34.698	0.33955	0.21699	124	-0.70	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0675	34.470	0.02000	34.698	0.33955	0.21699	124	-0.67	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0017	34.473	0.26500	34.698	0.33955	0.21699	124	-0.66	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0233	34.475	0.31000	34.698	0.33955	0.21699	124	-0.66	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0139	34.490	0.02000	34.698	0.33955	0.21699	124	-0.61	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0100	34.500	0.38000	34.698	0.33955	0.21699	124	-0.58	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0354	34.525	0.01000	34.698	0.33955	0.21699	124	-0.51	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0004	34.530	0.04000	34.698	0.33955	0.21699	124	-0.49	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0074	34.540	0.50000	34.698	0.33955	0.21699	124	-0.46	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0563	34.541	0.03400	34.698	0.33955	0.21699	124	-0.46	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0049	34.550	0.04000	34.698	0.33955	0.21699	124	-0.43	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0294	34.550	0.10000	34.698	0.33955	0.21699	124	-0.43	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0571	34.558	0.21600	34.698	0.33955	0.21699	124	-0.41	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0171	34.560	0.18000	34.698	0.33955	0.21699	124	-0.40	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0144	34.575	0.05000	34.698	0.33955	0.21699	124	-0.36	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0026	34.578	0.18800	34.698	0.33955	0.21699	124	-0.35	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0297	34.600	0.10000	34.698	0.33955	0.21699	124	-0.29	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0278	34.600	0.20000	34.698	0.33955	0.21699	124	-0.29	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0520	34.600	0.00000	34.698	0.33955	0.21699	124	-0.29	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0692	34.600	0.00000	34.698	0.33955	0.21699	124	-0.29	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0574	34.615	0.13000	34.698	0.33955	0.21699	124	-0.24	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0009	34.615	0.33000	34.698	0.33955	0.21699	124	-0.24	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0042	34.625	0.17000	34.698	0.33955	0.21699	124	-0.21	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0590	34.625	0.05000	34.698	0.33955	0.21699	124	-0.21	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0682	34.630	0.00000	34.698	0.33955	0.21699	124	-0.20	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0083	34.645	0.35000	34.698	0.33955	0.21699	124	-0.15	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0298	34.650	0.02000	34.698	0.33955	0.21699	124	-0.14	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0610	34.650	0.30000	34.698	0.33955	0.21699	124	-0.14	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0619	34.650	0.10000	34.698	0.33955	0.21699	124	-0.14	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0615	34.655	0.25000	34.698	0.33955	0.21699	124	-0.13	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0676	34.660	0.06000	34.698	0.33955	0.21699	124	-0.11	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0857	34.660	0.18000	34.698	0.33955	0.21699	124	-0.11	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0142	34.670	0.08000	34.698	0.33955	0.21699	124	-0.08	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0353	34.675	0.07000	34.698	0.33955	0.21699	124	-0.07	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0644	34.677	0.06200	34.698	0.33955	0.21699	124	-0.06	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0035	34.690	0.06000	34.698	0.33955	0.21699	124	-0.02	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0872	34.690	0.38000	34.698	0.33955	0.21699	124	-0.02	0%	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 (%)	0010	34.700	0.20000	34.698	0.33955	0.21699	124	0.01	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0226	34.700	0.00000	34.698	0.33955	0.21699	124	0.01	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0910	34.700	0.00000	34.698	0.33955	0.21699	124	0.01	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0589	34.705	0.01000	34.698	0.33955	0.21699	124	0.02	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0229	34.720	0.26000	34.698	0.33955	0.21699	124	0.07	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0242	34.730	0.04000	34.698	0.33955	0.21699	124	0.10	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0045	34.750	0.30000	34.698	0.33955	0.21699	124	0.15	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0175	34.750	0.10000	34.698	0.33955	0.21699	124	0.15	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0357	34.750	0.25000	34.698	0.33955	0.21699	124	0.15	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0358	34.750	0.02000	34.698	0.33955	0.21699	124	0.15	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0413	34.750	0.50000	34.698	0.33955	0.21699	124	0.15	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0880	34.780	0.20000	34.698	0.33955	0.21699	124	0.24	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0541	34.790	0.12000	34.698	0.33955	0.21699	124	0.27	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2150	34.813	0.20700	34.698	0.33955	0.21699	124	0.34	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0918	34.820	1.2000	34.698	0.33955	0.21699	124	0.36	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0859	34.821	0.31900	34.698	0.33955	0.21699	124	0.36	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0529	34.825	0.15000	34.698	0.33955	0.21699	124	0.38	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0036	34.830	0.08000	34.698	0.33955	0.21699	124	0.39	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0263	34.843	0.04640	34.698	0.33955	0.21699	124	0.43	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0006	34.850	0.12000	34.698	0.33955	0.21699	124	0.45	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0510	34.850	0.10000	34.698	0.33955	0.21699	124	0.45	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0265	34.865	0.17000	34.698	0.33955	0.21699	124	0.49	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0939	34.870	0.36000	34.698	0.33955	0.21699	124	0.51	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0511	34.870	0.46000	34.698	0.33955	0.21699	124	0.51	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0596	34.875	0.13000	34.698	0.33955	0.21699	124	0.52	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0309	34.879	0.07500	34.698	0.33955	0.21699	124	0.53	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0208	34.900	0.20000	34.698	0.33955	0.21699	124	0.60	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0345	34.900	0.20000	34.698	0.33955	0.21699	124	0.60	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0098	34.900	0.60000	34.698	0.33955	0.21699	124	0.60	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0300	34.900	0.96000	34.698	0.33955	0.21699	124	0.60	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0618	34.902	0.28900	34.698	0.33955	0.21699	124	0.60	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2053	34.910	0.12000	34.698	0.33955	0.21699	124	0.63	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0123	34.915	0.07000	34.698	0.33955	0.21699	124	0.64	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0687	34.925	0.45000	34.698	0.33955	0.21699	124	0.67	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0693	34.962	0.10880	34.698	0.33955	0.21699	124	0.78	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0164	34.965	0.07000	34.698	0.33955	0.21699	124	0.79	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0425	34.970	0.04000	34.698	0.33955	0.21699	124	0.80	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0089	34.975	0.01000	34.698	0.33955	0.21699	124	0.82	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0205	34.975	0.13000	34.698	0.33955	0.21699	124	0.82	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0504	34.980	0.12000	34.698	0.33955	0.21699	124	0.83	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0843	35.015	0.21000	34.698	0.33955	0.21699	124	0.94	0%	0

Test Material Code # 201728

Method Proficiency Testing Report

Issue Date : 09/30/2017

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	
002.06	Protein, Combustion Nitrogen Analyzer (%)	0186	35.050	0.10000	34.698	0.33955	0.21699	124	1.04	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0366	35.050	0.90000	34.698	0.33955	0.21699	124	1.04	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0190	35.070	0.04000	34.698	0.33955	0.21699	124	1.10	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0014	35.150	0.50000	34.698	0.33955	0.21699	124	1.33	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2161	35.160	0.18000	34.698	0.33955	0.21699	124	1.36	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0876	35.165	0.13000	34.698	0.33955	0.21699	124	1.38	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0001	35.175	0.57000	34.698	0.33955	0.21699	124	1.41	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2076	35.189	0.13400	34.698	0.33955	0.21699	124	1.45	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0726	35.275	0.23000	34.698	0.33955	0.21699	124	1.70	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0884	35.300	0.20000	34.698	0.33955	0.21699	124	1.77	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2089	35.325	0.25000	34.698	0.33955	0.21699	124	1.85	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2012	35.360	0.54000	34.698	0.33955	0.21699	124	1.95	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0964	35.419	0.17200	34.698	0.33955	0.21699	124	2.12	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0003	35.460	0.22000	34.698	0.33955	0.21699	124	2.25	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2006	35.465	0.21000	34.698	0.33955	0.21699	124	2.26	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0955	35.550	0.30000	34.698	0.33955	0.21699	124	2.51	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2129	35.620	0.38000	34.698	0.33955	0.21699	124	2.72	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0953	35.790	0.48000	34.698	0.33955	0.21699	124	3.22	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0612	37.985	0.19000	34.698	0.33955	0.21699	124	9.68	5%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0553	33.369	1.8030	34.698	0.33955	0.21699	124	-3.91	2%	1
002.06	Protein, Combustion Nitrogen Analyzer (%)	2081	33.630	1.6200	34.698	0.33955	0.21699	124	-3.14	2%	1
002.06	Protein, Combustion Nitrogen Analyzer (%)	0581	53.340	2.2600	34.698	0.33955	0.21699	124	54.90	27%	2
002.06	Protein, Combustion Nitrogen Analyzer (%)	0037	61.785	1.3700	34.698	0.33955	0.21699	124	79.78	39%	2
002.08	Protein, Cu/Ti (%)	0563	33.540	0.11970				2			0
002.08	Protein, Cu/Ti (%)	0098	34.295	0.35000				2			0
002.10	Protein, Block dig/distillation (%)	0629	33.220	0.02000				1			0
002.11	Protein, NIR (%)	0852	35.805	0.05000	38.987	2.6874	0.13800	5			0
002.11	Protein, NIR (%)	2121	38.055	0.19000	38.987	2.6874	0.13800	5			0
002.11	Protein, NIR (%)	2120	38.190	0.22000	38.987	2.6874	0.13800	5			0
002.11	Protein, NIR (%)	0011	39.830	0.00000	38.987	2.6874	0.13800	5			0
002.11	Protein, NIR (%)	0297	43.055	0.23000	38.987	2.6874	0.13800	5			0
002.99	Protein, Miscellaneous (%)	2004	34.750	0.10000	35.461	0.99140	0.24750	4			0
002.99	Protein, Miscellaneous (%)	2145	34.865	0.29000	35.461	0.99140	0.24750	4			0
002.99	Protein, Miscellaneous (%)	2144	35.330	0.26000	35.461	0.99140	0.24750	4			0
002.99	Protein, Miscellaneous (%)	0643	36.900	0.34000	35.461	0.99140	0.24750	4			0
002.99	Protein, Miscellaneous (%)	2105	42.600	5.1600	35.461	0.99140	0.24750	4			2
003.00	Fat, Eth Ext., Direct (%)	0615	1.0750	0.03000	1.6016	0.40109	0.05877	11	-1.31	16%	0
003.00	Fat, Eth Ext., Direct (%)	0026	1.2700	0.02000	1.6016	0.40109	0.05877	11	-0.83	10%	0
003.00	Fat, Eth Ext., Direct (%)	0309	1.2899	0.17200	1.6016	0.40109	0.05877	11	-0.78	10%	0
003.00	Fat, Eth Ext., Direct (%)	0142	1.3550	0.01000	1.6016	0.40109	0.05877	11	-0.61	8%	0
003.00	Fat, Eth Ext., Direct (%)	0939	1.4000	0.16000	1.6016	0.40109	0.05877	11	-0.50	6%	0

Test Material Code # 201728

Method Proficiency Testing Report

Issue Date : 09/30/2017

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	
003.00	Fat, Eth Ext., Direct (%)	2053	1.6450	0.01000	1.6016	0.40109	0.05877	11	0.11	1%	0
003.00	Fat, Eth Ext., Direct (%)	0885	1.7197	0.03450	1.6016	0.40109	0.05877	11	0.29	4%	0
003.00	Fat, Eth Ext., Direct (%)	0175	1.7800	0.12000	1.6016	0.40109	0.05877	11	0.44	6%	0
003.00	Fat, Eth Ext., Direct (%)	0345	1.8250	0.05000	1.6016	0.40109	0.05877	11	0.56	7%	0
003.00	Fat, Eth Ext., Direct (%)	0653	2.0550	0.03000	1.6016	0.40109	0.05877	11	1.13	14%	0
003.00	Fat, Eth Ext., Direct (%)	0596	4.8750	0.01000	1.6016	0.40109	0.05877	11	8.16	102%	0
003.00	Fat, Eth Ext., Direct (%)	0017	2.8000	0.50000	1.6016	0.40109	0.05877	11	2.99	37%	1
003.01	Fat, Ind Eth Ext (13th ed.), Indirect (%)	0504	1.3450	0.49000				1			0
003.06	Fat, Pet Ether (%)	0425	1.2750	0.05000	1.6164	0.25191	0.04512	16	-1.36	11%	0
003.06	Fat, Pet Ether (%)	0563	1.3104	0.06990	1.6164	0.25191	0.04512	16	-1.21	9%	0
003.06	Fat, Pet Ether (%)	0644	1.3650	0.00600	1.6164	0.25191	0.04512	16	-1.00	8%	0
003.06	Fat, Pet Ether (%)	0297	1.4700	0.06000	1.6164	0.25191	0.04512	16	-0.58	5%	0
003.06	Fat, Pet Ether (%)	0083	1.5050	0.05000	1.6164	0.25191	0.04512	16	-0.44	3%	0
003.06	Fat, Pet Ether (%)	0918	1.5050	0.07000	1.6164	0.25191	0.04512	16	-0.44	3%	0
003.06	Fat, Pet Ether (%)	0294	1.5150	0.01000	1.6164	0.25191	0.04512	16	-0.40	3%	0
003.06	Fat, Pet Ether (%)	0229	1.5250	0.01000	1.6164	0.25191	0.04512	16	-0.36	3%	0
003.06	Fat, Pet Ether (%)	0511	1.6250	0.05000	1.6164	0.25191	0.04512	16	0.03	0%	0
003.06	Fat, Pet Ether (%)	0148	1.6600	0.04000	1.6164	0.25191	0.04512	16	0.17	1%	0
003.06	Fat, Pet Ether (%)	0849	1.7130	0.02600	1.6164	0.25191	0.04512	16	0.38	3%	0
003.06	Fat, Pet Ether (%)	0300	1.7700	0.02000	1.6164	0.25191	0.04512	16	0.61	5%	0
003.06	Fat, Pet Ether (%)	0884	1.8000	0.20000	1.6164	0.25191	0.04512	16	0.73	6%	0
003.06	Fat, Pet Ether (%)	0910	1.8350	0.05000	1.6164	0.25191	0.04512	16	0.87	7%	0
003.06	Fat, Pet Ether (%)	0164	2.0350	0.01000	1.6164	0.25191	0.04512	16	1.66	13%	0
003.06	Fat, Pet Ether (%)	0682	2.1400	0.00000	1.6164	0.25191	0.04512	16	2.08	16%	0
003.06	Fat, Pet Ether (%)	0687	1.9500	0.30000	1.6164	0.25191	0.04512	16	1.32	10%	1
003.06	Fat, Pet Ether (%)	0552	7.8450	0.07000	1.6164	0.25191	0.04512	16	24.73	193%	2
003.09	Fat, Soxtec, Eth Ext (%)	0263	1.0248	0.01640	1.6105	0.47847	0.04651	18	-1.22	18%	0
003.09	Fat, Soxtec, Eth Ext (%)	0027	1.0260	0.04000	1.6105	0.47847	0.04651	18	-1.22	18%	0
003.09	Fat, Soxtec, Eth Ext (%)	2068	1.1350	0.03000	1.6105	0.47847	0.04651	18	-0.99	15%	0
003.09	Fat, Soxtec, Eth Ext (%)	0098	1.1950	0.11000	1.6105	0.47847	0.04651	18	-0.87	13%	0
003.09	Fat, Soxtec, Eth Ext (%)	2012	1.3150	0.07000	1.6105	0.47847	0.04651	18	-0.62	9%	0
003.09	Fat, Soxtec, Eth Ext (%)	0004	1.3800	0.08000	1.6105	0.47847	0.04651	18	-0.48	7%	0
003.09	Fat, Soxtec, Eth Ext (%)	0505	1.3950	0.01000	1.6105	0.47847	0.04651	18	-0.45	7%	0
003.09	Fat, Soxtec, Eth Ext (%)	0685	1.4500	0.02000	1.6105	0.47847	0.04651	18	-0.34	5%	0
003.09	Fat, Soxtec, Eth Ext (%)	0674	1.4700	0.00000	1.6105	0.47847	0.04651	18	-0.29	4%	0
003.09	Fat, Soxtec, Eth Ext (%)	0508	1.5917	0.03070	1.6105	0.47847	0.04651	18	-0.04	1%	0
003.09	Fat, Soxtec, Eth Ext (%)	0948	1.6000	0.02000	1.6105	0.47847	0.04651	18	-0.02	0%	0
003.09	Fat, Soxtec, Eth Ext (%)	0675	1.7250	0.01000	1.6105	0.47847	0.04651	18	0.24	4%	0
003.09	Fat, Soxtec, Eth Ext (%)	0354	1.8500	0.02000	1.6105	0.47847	0.04651	18	0.50	7%	0
003.09	Fat, Soxtec, Eth Ext (%)	0226	1.9500	0.10000	1.6105	0.47847	0.04651	18	0.71	11%	0
003.09	Fat, Soxtec, Eth Ext (%)	0630	2.1000	0.02000	1.6105	0.47847	0.04651	18	1.02	15%	0

Test Material Code # 201728

Method Proficiency Testing Report

Issue Date : 09/30/2017

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	
003.09	Fat, Soxtec, Eth Ext (%)	0964	2.1530	0.08000	1.6105	0.47847	0.04651	18	1.13	17%	0
003.09	Fat, Soxtec, Eth Ext (%)	0510	2.3000	0.00000	1.6105	0.47847	0.04651	18	1.44	21%	0
003.09	Fat, Soxtec, Eth Ext (%)	0353	2.6800	0.18000	1.6105	0.47847	0.04651	18	2.24	33%	0
003.09	Fat, Soxtec, Eth Ext (%)	0590	2.3100	0.42000	1.6105	0.47847	0.04651	18	1.46	22%	1
003.10	Fat, Soxtec, Pet Ether (%)	0036	0.77925	0.03310	1.2608	0.33084	0.08975	30	-1.46	19%	0
003.10	Fat, Soxtec, Pet Ether (%)	0541	0.80000	0.10000	1.2608	0.33084	0.08975	30	-1.39	18%	0
003.10	Fat, Soxtec, Pet Ether (%)	0952	0.80000	0.00000	1.2608	0.33084	0.08975	30	-1.39	18%	0
003.10	Fat, Soxtec, Pet Ether (%)	2155	0.80595	0.10510	1.2608	0.33084	0.08975	30	-1.37	18%	0
003.10	Fat, Soxtec, Pet Ether (%)	0553	0.81500	0.09000	1.2608	0.33084	0.08975	30	-1.35	18%	0
003.10	Fat, Soxtec, Pet Ether (%)	0098	0.94000	0.14000	1.2608	0.33084	0.08975	30	-0.97	13%	0
003.10	Fat, Soxtec, Pet Ether (%)	2073	0.94000	0.12000	1.2608	0.33084	0.08975	30	-0.97	13%	0
003.10	Fat, Soxtec, Pet Ether (%)	0242	1.0900	0.10000	1.2608	0.33084	0.08975	30	-0.52	7%	0
003.10	Fat, Soxtec, Pet Ether (%)	2022	1.1400	0.00000	1.2608	0.33084	0.08975	30	-0.37	5%	0
003.10	Fat, Soxtec, Pet Ether (%)	0861	1.1700	0.10000	1.2608	0.33084	0.08975	30	-0.27	4%	0
003.10	Fat, Soxtec, Pet Ether (%)	0897	1.2050	0.01000	1.2608	0.33084	0.08975	30	-0.17	2%	0
003.10	Fat, Soxtec, Pet Ether (%)	0233	1.2300	0.04000	1.2608	0.33084	0.08975	30	-0.09	1%	0
003.10	Fat, Soxtec, Pet Ether (%)	0693	1.2320	0.17470	1.2608	0.33084	0.08975	30	-0.09	1%	0
003.10	Fat, Soxtec, Pet Ether (%)	0728	1.2350	0.01000	1.2608	0.33084	0.08975	30	-0.08	1%	0
003.10	Fat, Soxtec, Pet Ether (%)	0878	1.2350	0.11000	1.2608	0.33084	0.08975	30	-0.08	1%	0
003.10	Fat, Soxtec, Pet Ether (%)	0042	1.2450	0.39000	1.2608	0.33084	0.08975	30	-0.05	1%	0
003.10	Fat, Soxtec, Pet Ether (%)	0870	1.3060	0.03880	1.2608	0.33084	0.08975	30	0.14	2%	0
003.10	Fat, Soxtec, Pet Ether (%)	0100	1.3400	0.02000	1.2608	0.33084	0.08975	30	0.24	3%	0
003.10	Fat, Soxtec, Pet Ether (%)	0629	1.3900	0.06000	1.2608	0.33084	0.08975	30	0.39	5%	0
003.10	Fat, Soxtec, Pet Ether (%)	2009	1.3908	0.02380	1.2608	0.33084	0.08975	30	0.39	5%	0
003.10	Fat, Soxtec, Pet Ether (%)	0889	1.4000	0.12000	1.2608	0.33084	0.08975	30	0.42	6%	0
003.10	Fat, Soxtec, Pet Ether (%)	0045	1.4200	0.08000	1.2608	0.33084	0.08975	30	0.48	6%	0
003.10	Fat, Soxtec, Pet Ether (%)	0366	1.5000	0.20000	1.2608	0.33084	0.08975	30	0.72	9%	0
003.10	Fat, Soxtec, Pet Ether (%)	0695	1.5340	0.05400	1.2608	0.33084	0.08975	30	0.83	11%	0
003.10	Fat, Soxtec, Pet Ether (%)	0676	1.5650	0.15000	1.2608	0.33084	0.08975	30	0.92	12%	0
003.10	Fat, Soxtec, Pet Ether (%)	0881	1.5795	0.06300	1.2608	0.33084	0.08975	30	0.96	13%	0
003.10	Fat, Soxtec, Pet Ether (%)	2089	1.6050	0.19000	1.2608	0.33084	0.08975	30	1.04	14%	0
003.10	Fat, Soxtec, Pet Ether (%)	0619	1.6750	0.15000	1.2608	0.33084	0.08975	30	1.25	16%	0
003.10	Fat, Soxtec, Pet Ether (%)	0689	1.7000	0.00000	1.2608	0.33084	0.08975	30	1.33	17%	0
003.10	Fat, Soxtec, Pet Ether (%)	0298	2.0200	0.02000	1.2608	0.33084	0.08975	30	2.29	30%	0
003.10	Fat, Soxtec, Pet Ether (%)	0618	2.3600	0.52000	1.2608	0.33084	0.08975	30	3.32	44%	1
003.11	Fat, NIR (%)	0297	1.1050	0.01000				3			0
003.11	Fat, NIR (%)	0011	1.9400	0.00000				3			0
003.11	Fat, NIR (%)	0852	2.3350	0.09000				3			0
003.12	Fat, Hexane Ext (%)	0903	1.1100	0.02000				3			0
003.12	Fat, Hexane Ext (%)	0895	1.1700	0.02000				3			0
003.12	Fat, Hexane Ext (%)	0171	1.2450	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			
003.12	Fat, Hexane Ext (%)	0940	1.4350	0.25000				3			1
003.13	Fat, Soxtec, Hexane Ext. (%)	0098	1.1700	0.18000	1.4772	0.34484	0.08363	8	-0.89	10%	0
003.13	Fat, Soxtec, Hexane Ext. (%)	0208	1.1900	0.20000	1.4772	0.34484	0.08363	8	-0.83	10%	0
003.13	Fat, Soxtec, Hexane Ext. (%)	0205	1.2225	0.03900	1.4772	0.34484	0.08363	8	-0.74	9%	0
003.13	Fat, Soxtec, Hexane Ext. (%)	0033	1.2400	0.02000	1.4772	0.34484	0.08363	8	-0.69	8%	0
003.13	Fat, Soxtec, Hexane Ext. (%)	0187	1.5750	0.07000	1.4772	0.34484	0.08363	8	0.28	3%	0
003.13	Fat, Soxtec, Hexane Ext. (%)	2006	1.7150	0.05000	1.4772	0.34484	0.08363	8	0.69	8%	0
003.13	Fat, Soxtec, Hexane Ext. (%)	0646	1.8250	0.03000	1.4772	0.34484	0.08363	8	1.01	12%	0
003.13	Fat, Soxtec, Hexane Ext. (%)	0123	1.8800	0.08000	1.4772	0.34484	0.08363	8	1.17	14%	0
003.14	Fat, Ankom (%)	0175	1.0400	0.00000	1.5762	0.30890	0.07880	40	-1.74	17%	0
003.14	Fat, Ankom (%)	0357	1.0500	0.10000	1.5762	0.30890	0.07880	40	-1.70	17%	0
003.14	Fat, Ankom (%)	0581	1.2100	0.04000	1.5762	0.30890	0.07880	40	-1.19	12%	0
003.14	Fat, Ankom (%)	0358	1.2250	0.11000	1.5762	0.30890	0.07880	40	-1.14	11%	0
003.14	Fat, Ankom (%)	0278	1.2500	0.10000	1.5762	0.30890	0.07880	40	-1.06	10%	0
003.14	Fat, Ankom (%)	0202	1.2910	0.01200	1.5762	0.30890	0.07880	40	-0.92	9%	0
003.14	Fat, Ankom (%)	0912	1.3100	0.14000	1.5762	0.30890	0.07880	40	-0.86	8%	0
003.14	Fat, Ankom (%)	0186	1.3250	0.03000	1.5762	0.30890	0.07880	40	-0.81	8%	0
003.14	Fat, Ankom (%)	0956	1.3500	0.10000	1.5762	0.30890	0.07880	40	-0.73	7%	0
003.14	Fat, Ankom (%)	0265	1.3600	0.34000	1.5762	0.30890	0.07880	40	-0.70	7%	0
003.14	Fat, Ankom (%)	0520	1.3600	0.16000	1.5762	0.30890	0.07880	40	-0.70	7%	0
003.14	Fat, Ankom (%)	0066	1.4100	0.02000	1.5762	0.30890	0.07880	40	-0.54	5%	0
003.14	Fat, Ankom (%)	0682	1.4600	0.00000	1.5762	0.30890	0.07880	40	-0.38	4%	0
003.14	Fat, Ankom (%)	0144	1.4800	0.04000	1.5762	0.30890	0.07880	40	-0.31	3%	0
003.14	Fat, Ankom (%)	0574	1.4800	0.02000	1.5762	0.30890	0.07880	40	-0.31	3%	0
003.14	Fat, Ankom (%)	0229	1.4850	0.03000	1.5762	0.30890	0.07880	40	-0.30	3%	0
003.14	Fat, Ankom (%)	0407	1.4911	0.00290	1.5762	0.30890	0.07880	40	-0.28	3%	0
003.14	Fat, Ankom (%)	0089	1.5000	0.00000	1.5762	0.30890	0.07880	40	-0.25	2%	0
003.14	Fat, Ankom (%)	0108	1.5150	0.13000	1.5762	0.30890	0.07880	40	-0.20	2%	0
003.14	Fat, Ankom (%)	0009	1.5400	0.10000	1.5762	0.30890	0.07880	40	-0.12	1%	0
003.14	Fat, Ankom (%)	0955	1.5400	0.00000	1.5762	0.30890	0.07880	40	-0.12	1%	0
003.14	Fat, Ankom (%)	0968	1.5685	0.00500	1.5762	0.30890	0.07880	40	-0.02	0%	0
003.14	Fat, Ankom (%)	0619	1.5900	0.08000	1.5762	0.30890	0.07880	40	0.04	0%	0
003.14	Fat, Ankom (%)	0004	1.5950	0.09000	1.5762	0.30890	0.07880	40	0.06	1%	0
003.14	Fat, Ankom (%)	0692	1.6000	0.40000	1.5762	0.30890	0.07880	40	0.08	1%	0
003.14	Fat, Ankom (%)	2129	1.6050	0.11000	1.5762	0.30890	0.07880	40	0.09	1%	0
003.14	Fat, Ankom (%)	0015	1.6200	0.08000	1.5762	0.30890	0.07880	40	0.14	1%	0
003.14	Fat, Ankom (%)	0001	1.6950	0.02200	1.5762	0.30890	0.07880	40	0.38	4%	0
003.14	Fat, Ankom (%)	0049	1.7050	0.03000	1.5762	0.30890	0.07880	40	0.42	4%	0
003.14	Fat, Ankom (%)	0529	1.7400	0.06000	1.5762	0.30890	0.07880	40	0.53	5%	0
003.14	Fat, Ankom (%)	0598	1.7450	0.07000	1.5762	0.30890	0.07880	40	0.55	5%	0
003.14	Fat, Ankom (%)	0948	1.7450	0.01000	1.5762	0.30890	0.07880	40	0.55	5%	0

Test Material Code # 201728

Method Proficiency Testing Report

Issue Date : 09/30/2017

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	
003.14	Fat, Ankom (%)	0019	1.7550	0.07000	1.5762	0.30890	0.07880	40	0.58	6%	0
003.14	Fat, Ankom (%)	0726	2.1450	0.03000	1.5762	0.30890	0.07880	40	1.84	18%	0
003.14	Fat, Ankom (%)	0843	2.1500	0.12000	1.5762	0.30890	0.07880	40	1.86	18%	0
003.14	Fat, Ankom (%)	0848	2.2450	0.05000	1.5762	0.30890	0.07880	40	2.17	21%	0
003.14	Fat, Ankom (%)	0074	2.2500	0.06000	1.5762	0.30890	0.07880	40	2.18	21%	0
003.14	Fat, Ankom (%)	0190	2.3750	0.11000	1.5762	0.30890	0.07880	40	2.59	25%	0
003.14	Fat, Ankom (%)	0413	2.5500	0.10000	1.5762	0.30890	0.07880	40	3.15	31%	0
003.14	Fat, Ankom (%)	0034	4.8200	0.18000	1.5762	0.30890	0.07880	40	10.50	103%	0
003.14	Fat, Ankom (%)	0876	3.3400	0.52000	1.5762	0.30890	0.07880	40	5.71	56%	1
003.14	Fat, Ankom (%)	0037	9.2300	0.40000	1.5762	0.30890	0.07880	40	24.78	243%	2
003.99	Fat, Miscellaneous (%)	2105	0.79000	0.18000	1.8167	0.75734	0.07333	6	-1.36	28%	0
003.99	Fat, Miscellaneous (%)	0536	1.4200	0.02000	1.8167	0.75734	0.07333	6	-0.52	11%	0
003.99	Fat, Miscellaneous (%)	0941	1.7800	0.20000	1.8167	0.75734	0.07333	6	-0.05	1%	0
003.99	Fat, Miscellaneous (%)	0047	1.9600	0.00000	1.8167	0.75734	0.07333	6	0.19	4%	0
003.99	Fat, Miscellaneous (%)	2144	2.2200	0.02000	1.8167	0.75734	0.07333	6	0.53	11%	0
003.99	Fat, Miscellaneous (%)	2145	2.7300	0.02000	1.8167	0.75734	0.07333	6	1.21	25%	0
003.99	Fat, Miscellaneous (%)	0880	2.5500	5.1000	1.8167	0.75734	0.07333	6			4
004.00	Fiber, Crude, Asbestos Free (%)	2073	7.7450	0.11000	8.5223	0.50803	0.12115	18	-1.53	5%	0
004.00	Fiber, Crude, Asbestos Free (%)	0175	8.0800	0.00000	8.5223	0.50803	0.12115	18	-0.87	3%	0
004.00	Fiber, Crude, Asbestos Free (%)	0884	8.1000	0.00000	8.5223	0.50803	0.12115	18	-0.83	2%	0
004.00	Fiber, Crude, Asbestos Free (%)	0171	8.1800	0.10000	8.5223	0.50803	0.12115	18	-0.67	2%	0
004.00	Fiber, Crude, Asbestos Free (%)	0298	8.1800	0.02000	8.5223	0.50803	0.12115	18	-0.67	2%	0
004.00	Fiber, Crude, Asbestos Free (%)	0425	8.2500	0.10000	8.5223	0.50803	0.12115	18	-0.54	2%	0
004.00	Fiber, Crude, Asbestos Free (%)	0354	8.2550	0.01000	8.5223	0.50803	0.12115	18	-0.53	2%	0
004.00	Fiber, Crude, Asbestos Free (%)	0169	8.3200	0.00000	8.5223	0.50803	0.12115	18	-0.40	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	0164	8.3500	0.30000	8.5223	0.50803	0.12115	18	-0.34	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	0017	8.4000	0.20000	8.5223	0.50803	0.12115	18	-0.24	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	0309	8.5762	0.00570	8.5223	0.50803	0.12115	18	0.11	0%	0
004.00	Fiber, Crude, Asbestos Free (%)	2004	8.6350	0.03000	8.5223	0.50803	0.12115	18	0.22	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	0345	8.6700	0.06000	8.5223	0.50803	0.12115	18	0.29	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	0511	8.9000	0.20000	8.5223	0.50803	0.12115	18	0.74	2%	0
004.00	Fiber, Crude, Asbestos Free (%)	0226	9.0000	0.20000	8.5223	0.50803	0.12115	18	0.94	3%	0
004.00	Fiber, Crude, Asbestos Free (%)	0695	9.2050	0.03000	8.5223	0.50803	0.12115	18	1.34	4%	0
004.00	Fiber, Crude, Asbestos Free (%)	0208	9.2550	0.51000	8.5223	0.50803	0.12115	18	1.44	4%	0
004.00	Fiber, Crude, Asbestos Free (%)	2076	9.3975	0.30500	8.5223	0.50803	0.12115	18	1.72	5%	0
004.00	Fiber, Crude, Asbestos Free (%)	0504	10.595	1.7500	8.5223	0.50803	0.12115	18	4.08	12%	1
004.01	Fiber, Sing Filt (%)	0366	9.3000	0.80000				1			0
004.03	Fiber, Fritted Glass (%)	2089	6.2400	0.24000	8.5616	1.7892	0.31083	4			0
004.03	Fiber, Fritted Glass (%)	0353	8.4000	0.12000	8.5616	1.7892	0.31083	4			0
004.03	Fiber, Fritted Glass (%)	0045	9.0600	0.16000	8.5616	1.7892	0.31083	4			0
004.03	Fiber, Fritted Glass (%)	0693	10.546	0.72330	8.5616	1.7892	0.31083	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	
004.06	Fiber, Fibertec (%)	2146	7.2950	0.29000	8.3456	0.38528	0.10979	24	-2.73	6%	0
004.06	Fiber, Fibertec (%)	0098	7.9000	0.22000	8.3456	0.38528	0.10979	24	-1.16	3%	0
004.06	Fiber, Fibertec (%)	2022	7.9050	0.05000	8.3456	0.38528	0.10979	24	-1.14	3%	0
004.06	Fiber, Fibertec (%)	0895	7.9350	0.03000	8.3456	0.38528	0.10979	24	-1.07	2%	0
004.06	Fiber, Fibertec (%)	0675	8.0550	0.25000	8.3456	0.38528	0.10979	24	-0.75	2%	0
004.06	Fiber, Fibertec (%)	0885	8.1064	0.06800	8.3456	0.38528	0.10979	24	-0.62	1%	0
004.06	Fiber, Fibertec (%)	0897	8.1100	0.02000	8.3456	0.38528	0.10979	24	-0.61	1%	0
004.06	Fiber, Fibertec (%)	0903	8.1100	0.02000	8.3456	0.38528	0.10979	24	-0.61	1%	0
004.06	Fiber, Fibertec (%)	0875	8.1400	0.04000	8.3456	0.38528	0.10979	24	-0.53	1%	0
004.06	Fiber, Fibertec (%)	0881	8.1695	0.08500	8.3456	0.38528	0.10979	24	-0.46	1%	0
004.06	Fiber, Fibertec (%)	2006	8.2200	0.04000	8.3456	0.38528	0.10979	24	-0.33	1%	0
004.06	Fiber, Fibertec (%)	2068	8.3450	0.01000	8.3456	0.38528	0.10979	24	0.00	0%	0
004.06	Fiber, Fibertec (%)	0676	8.3800	0.06000	8.3456	0.38528	0.10979	24	0.09	0%	0
004.06	Fiber, Fibertec (%)	0878	8.3850	0.27000	8.3456	0.38528	0.10979	24	0.10	0%	0
004.06	Fiber, Fibertec (%)	0027	8.4330	0.04800	8.3456	0.38528	0.10979	24	0.23	1%	0
004.06	Fiber, Fibertec (%)	0590	8.4350	0.03000	8.3456	0.38528	0.10979	24	0.23	1%	0
004.06	Fiber, Fibertec (%)	0689	8.4500	0.10000	8.3456	0.38528	0.10979	24	0.27	1%	0
004.06	Fiber, Fibertec (%)	0674	8.6400	0.00000	8.3456	0.38528	0.10979	24	0.76	2%	0
004.06	Fiber, Fibertec (%)	0952	8.6600	0.02000	8.3456	0.38528	0.10979	24	0.82	2%	0
004.06	Fiber, Fibertec (%)	0968	8.7360	0.06400	8.3456	0.38528	0.10979	24	1.01	2%	0
004.06	Fiber, Fibertec (%)	0918	8.7600	0.30000	8.3456	0.38528	0.10979	24	1.08	2%	0
004.06	Fiber, Fibertec (%)	0941	8.8050	0.17000	8.3456	0.38528	0.10979	24	1.19	3%	0
004.06	Fiber, Fibertec (%)	0948	8.9400	0.24000	8.3456	0.38528	0.10979	24	1.54	4%	0
004.06	Fiber, Fibertec (%)	0845	9.2550	0.21000	8.3456	0.38528	0.10979	24	2.36	5%	0
004.06	Fiber, Fibertec (%)	0205	8.3300	0.88000	8.3456	0.38528	0.10979	24	-0.04	0%	1
004.07	Fiber, ANKOM (%)	0552	1.5500	0.06000	9.3679	1.3671	0.28426	59	-5.72	42%	0
004.07	Fiber, ANKOM (%)	0034	4.8400	0.26000	9.3679	1.3671	0.28426	59	-3.31	24%	0
004.07	Fiber, ANKOM (%)	0413	6.9500	0.10000	9.3679	1.3671	0.28426	59	-1.77	13%	0
004.07	Fiber, ANKOM (%)	0505	7.0950	0.21000	9.3679	1.3671	0.28426	59	-1.66	12%	0
004.07	Fiber, ANKOM (%)	0123	7.3650	0.11000	9.3679	1.3671	0.28426	59	-1.47	11%	0
004.07	Fiber, ANKOM (%)	2012	7.5850	0.39000	9.3679	1.3671	0.28426	59	-1.30	10%	0
004.07	Fiber, ANKOM (%)	0910	7.6000	0.40000	9.3679	1.3671	0.28426	59	-1.29	9%	0
004.07	Fiber, ANKOM (%)	0682	7.7000	0.00000	9.3679	1.3671	0.28426	59	-1.22	9%	0
004.07	Fiber, ANKOM (%)	0619	8.1050	0.19000	9.3679	1.3671	0.28426	59	-0.92	7%	0
004.07	Fiber, ANKOM (%)	0100	8.1350	0.03000	9.3679	1.3671	0.28426	59	-0.90	7%	0
004.07	Fiber, ANKOM (%)	0708	8.2750	0.15000	9.3679	1.3671	0.28426	59	-0.80	6%	0
004.07	Fiber, ANKOM (%)	0242	8.3300	0.52000	9.3679	1.3671	0.28426	59	-0.76	6%	0
004.07	Fiber, ANKOM (%)	0529	8.3350	0.43000	9.3679	1.3671	0.28426	59	-0.76	6%	0
004.07	Fiber, ANKOM (%)	0026	8.4000	0.20000	9.3679	1.3671	0.28426	59	-0.71	5%	0
004.07	Fiber, ANKOM (%)	0726	8.5500	0.10000	9.3679	1.3671	0.28426	59	-0.60	4%	0
004.07	Fiber, ANKOM (%)	0035	8.6550	0.29000	9.3679	1.3671	0.28426	59	-0.52	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	
004.07	Fiber, ANKOM (%)	0297	8.7600	0.04000	9.3679	1.3671	0.28426	59	-0.44	3%	0
004.07	Fiber, ANKOM (%)	0948	8.8350	0.87000	9.3679	1.3671	0.28426	59	-0.39	3%	0
004.07	Fiber, ANKOM (%)	0596	8.8500	0.54000	9.3679	1.3671	0.28426	59	-0.38	3%	0
004.07	Fiber, ANKOM (%)	0354	8.9100	0.14000	9.3679	1.3671	0.28426	59	-0.33	2%	0
004.07	Fiber, ANKOM (%)	0653	8.9750	0.03000	9.3679	1.3671	0.28426	59	-0.29	2%	0
004.07	Fiber, ANKOM (%)	0294	9.0500	0.10000	9.3679	1.3671	0.28426	59	-0.23	2%	0
004.07	Fiber, ANKOM (%)	0643	9.0550	0.07000	9.3679	1.3671	0.28426	59	-0.23	2%	0
004.07	Fiber, ANKOM (%)	0098	9.1200	0.34000	9.3679	1.3671	0.28426	59	-0.18	1%	0
004.07	Fiber, ANKOM (%)	0033	9.1250	0.47000	9.3679	1.3671	0.28426	59	-0.18	1%	0
004.07	Fiber, ANKOM (%)	0692	9.1500	0.70000	9.3679	1.3671	0.28426	59	-0.16	1%	0
004.07	Fiber, ANKOM (%)	0956	9.2000	0.20000	9.3679	1.3671	0.28426	59	-0.12	1%	0
004.07	Fiber, ANKOM (%)	0229	9.2750	0.15000	9.3679	1.3671	0.28426	59	-0.07	0%	0
004.07	Fiber, ANKOM (%)	2053	9.2950	0.01000	9.3679	1.3671	0.28426	59	-0.05	0%	0
004.07	Fiber, ANKOM (%)	0520	9.3000	0.40000	9.3679	1.3671	0.28426	59	-0.05	0%	0
004.07	Fiber, ANKOM (%)	0003	9.3200	0.70000	9.3679	1.3671	0.28426	59	-0.04	0%	0
004.07	Fiber, ANKOM (%)	2009	9.3351	0.20390	9.3679	1.3671	0.28426	59	-0.02	0%	0
004.07	Fiber, ANKOM (%)	0581	9.3500	0.10000	9.3679	1.3671	0.28426	59	-0.01	0%	0
004.07	Fiber, ANKOM (%)	0042	9.3650	0.17000	9.3679	1.3671	0.28426	59	0.00	0%	0
004.07	Fiber, ANKOM (%)	0848	9.3650	0.21000	9.3679	1.3671	0.28426	59	0.00	0%	0
004.07	Fiber, ANKOM (%)	0190	9.4500	0.30000	9.3679	1.3671	0.28426	59	0.06	0%	0
004.07	Fiber, ANKOM (%)	0263	9.5200	0.01000	9.3679	1.3671	0.28426	59	0.11	1%	0
004.07	Fiber, ANKOM (%)	0089	9.5500	0.02000	9.3679	1.3671	0.28426	59	0.13	1%	0
004.07	Fiber, ANKOM (%)	0028	9.6500	0.10000	9.3679	1.3671	0.28426	59	0.21	2%	0
004.07	Fiber, ANKOM (%)	0278	9.7500	0.50000	9.3679	1.3671	0.28426	59	0.28	2%	0
004.07	Fiber, ANKOM (%)	0870	9.7580	0.08310	9.3679	1.3671	0.28426	59	0.29	2%	0
004.07	Fiber, ANKOM (%)	0849	9.9865	0.04700	9.3679	1.3671	0.28426	59	0.45	3%	0
004.07	Fiber, ANKOM (%)	0510	10.050	0.10000	9.3679	1.3671	0.28426	59	0.50	4%	0
004.07	Fiber, ANKOM (%)	0939	10.150	0.44000	9.3679	1.3671	0.28426	59	0.57	4%	0
004.07	Fiber, ANKOM (%)	0083	10.365	0.31000	9.3679	1.3671	0.28426	59	0.73	5%	0
004.07	Fiber, ANKOM (%)	0644	10.393	0.38900	9.3679	1.3671	0.28426	59	0.75	5%	0
004.07	Fiber, ANKOM (%)	0009	10.500	0.82000	9.3679	1.3671	0.28426	59	0.83	6%	0
004.07	Fiber, ANKOM (%)	0407	10.583	0.18700	9.3679	1.3671	0.28426	59	0.89	6%	0
004.07	Fiber, ANKOM (%)	0563	10.702	0.20150	9.3679	1.3671	0.28426	59	0.98	7%	0
004.07	Fiber, ANKOM (%)	0019	10.710	0.02000	9.3679	1.3671	0.28426	59	0.98	7%	0
004.07	Fiber, ANKOM (%)	0876	10.735	0.23000	9.3679	1.3671	0.28426	59	1.00	7%	0
004.07	Fiber, ANKOM (%)	0144	11.220	0.48000	9.3679	1.3671	0.28426	59	1.35	10%	0
004.07	Fiber, ANKOM (%)	0861	11.225	0.43000	9.3679	1.3671	0.28426	59	1.36	10%	0
004.07	Fiber, ANKOM (%)	0074	11.380	0.60000	9.3679	1.3671	0.28426	59	1.47	11%	0
004.07	Fiber, ANKOM (%)	0015	11.635	0.25000	9.3679	1.3671	0.28426	59	1.66	12%	0
004.07	Fiber, ANKOM (%)	0066	11.765	0.39000	9.3679	1.3671	0.28426	59	1.75	13%	0
004.07	Fiber, ANKOM (%)	0955	12.050	0.10000	9.3679	1.3671	0.28426	59	1.96	14%	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	
004.07	Fiber, ANKOM (%)	0202	14.428	1.0000	9.3679	1.3671	0.28426	59	3.70	27%	0
004.07	Fiber, ANKOM (%)	0536	16.480	0.88000	9.3679	1.3671	0.28426	59	5.20	38%	0
004.07	Fiber, ANKOM (%)	0265	7.9300	1.3200	9.3679	1.3671	0.28426	59	-1.05	8%	1
004.11	Fiber, NIR (%)	2121	9.7450	0.25000	10.500	0.75896	0.21500	4			0
004.11	Fiber, NIR (%)	0011	10.350	0.00000	10.500	0.75896	0.21500	4			0
004.11	Fiber, NIR (%)	2120	10.350	0.50000	10.500	0.75896	0.21500	4			0
004.11	Fiber, NIR (%)	0852	11.555	0.11000	10.500	0.75896	0.21500	4			0
004.99	Fiber, Miscellaneous (%)	2145	7.3500	0.04000	7.6363	0.23113	0.11250	4			0
004.99	Fiber, Miscellaneous (%)	0610	7.5500	0.20000	7.6363	0.23113	0.11250	4			0
004.99	Fiber, Miscellaneous (%)	2144	7.7950	0.11000	7.6363	0.23113	0.11250	4			0
004.99	Fiber, Miscellaneous (%)	0629	7.8500	0.10000	7.6363	0.23113	0.11250	4			0
004.99	Fiber, Miscellaneous (%)	0940	7.8000	0.60000	7.6363	0.23113	0.11250	4			1
005.00	Ash, 2h @ 600°C (%)	0169	20.615	0.05000	25.818	0.74823	0.24475	93	-6.95	10%	0
005.00	Ash, 2h @ 600°C (%)	0539	20.890	0.28000	25.818	0.74823	0.24475	93	-6.59	10%	0
005.00	Ash, 2h @ 600°C (%)	2097	21.269	0.63530	25.818	0.74823	0.24475	93	-6.08	9%	0
005.00	Ash, 2h @ 600°C (%)	0278	22.470	0.32000	25.818	0.74823	0.24475	93	-4.47	6%	0
005.00	Ash, 2h @ 600°C (%)	0208	22.550	0.10000	25.818	0.74823	0.24475	93	-4.37	6%	0
005.00	Ash, 2h @ 600°C (%)	0123	23.190	0.14000	25.818	0.74823	0.24475	93	-3.51	5%	0
005.00	Ash, 2h @ 600°C (%)	0049	23.365	0.29000	25.818	0.74823	0.24475	93	-3.28	5%	0
005.00	Ash, 2h @ 600°C (%)	0876	23.740	0.14000	25.818	0.74823	0.24475	93	-2.78	4%	0
005.00	Ash, 2h @ 600°C (%)	0142	24.075	0.13000	25.818	0.74823	0.24475	93	-2.33	3%	0
005.00	Ash, 2h @ 600°C (%)	0693	24.264	0.64910	25.818	0.74823	0.24475	93	-2.08	3%	0
005.00	Ash, 2h @ 600°C (%)	0596	24.540	0.90000	25.818	0.74823	0.24475	93	-1.71	2%	0
005.00	Ash, 2h @ 600°C (%)	0042	24.640	0.02000	25.818	0.74823	0.24475	93	-1.57	2%	0
005.00	Ash, 2h @ 600°C (%)	0019	24.700	0.60000	25.818	0.74823	0.24475	93	-1.49	2%	0
005.00	Ash, 2h @ 600°C (%)	0242	24.795	0.35000	25.818	0.74823	0.24475	93	-1.37	2%	0
005.00	Ash, 2h @ 600°C (%)	0148	24.875	0.01000	25.818	0.74823	0.24475	93	-1.26	2%	0
005.00	Ash, 2h @ 600°C (%)	0881	24.877	0.14600	25.818	0.74823	0.24475	93	-1.26	2%	0
005.00	Ash, 2h @ 600°C (%)	0186	24.885	0.83000	25.818	0.74823	0.24475	93	-1.25	2%	0
005.00	Ash, 2h @ 600°C (%)	0175	25.020	0.20000	25.818	0.74823	0.24475	93	-1.07	2%	0
005.00	Ash, 2h @ 600°C (%)	0956	25.100	0.60000	25.818	0.74823	0.24475	93	-0.96	1%	0
005.00	Ash, 2h @ 600°C (%)	0357	25.150	0.30000	25.818	0.74823	0.24475	93	-0.89	1%	0
005.00	Ash, 2h @ 600°C (%)	2073	25.180	0.16000	25.818	0.74823	0.24475	93	-0.85	1%	0
005.00	Ash, 2h @ 600°C (%)	0520	25.200	0.52000	25.818	0.74823	0.24475	93	-0.83	1%	0
005.00	Ash, 2h @ 600°C (%)	0918	25.215	0.05000	25.818	0.74823	0.24475	93	-0.81	1%	0
005.00	Ash, 2h @ 600°C (%)	0598	25.245	0.03000	25.818	0.74823	0.24475	93	-0.77	1%	0
005.00	Ash, 2h @ 600°C (%)	2053	25.270	0.00000	25.818	0.74823	0.24475	93	-0.73	1%	0
005.00	Ash, 2h @ 600°C (%)	0026	25.370	0.78000	25.818	0.74823	0.24475	93	-0.60	1%	0
005.00	Ash, 2h @ 600°C (%)	2068	25.405	0.05000	25.818	0.74823	0.24475	93	-0.55	1%	0
005.00	Ash, 2h @ 600°C (%)	0541	25.545	0.93000	25.818	0.74823	0.24475	93	-0.36	1%	0
005.00	Ash, 2h @ 600°C (%)	0205	25.560	0.08000	25.818	0.74823	0.24475	93	-0.34	0%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
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005.00	Ash, 2h @ 600°C (%)	0298	25.560	0.02000	25.818	0.74823	0.24475	93	-0.34	0%	0
005.00	Ash, 2h @ 600°C (%)	0845	25.615	0.81000	25.818	0.74823	0.24475	93	-0.27	0%	0
005.00	Ash, 2h @ 600°C (%)	0027	25.630	0.21700	25.818	0.74823	0.24475	93	-0.25	0%	0
005.00	Ash, 2h @ 600°C (%)	0164	25.675	0.07000	25.818	0.74823	0.24475	93	-0.19	0%	0
005.00	Ash, 2h @ 600°C (%)	0618	25.684	0.72090	25.818	0.74823	0.24475	93	-0.18	0%	0
005.00	Ash, 2h @ 600°C (%)	0646	25.705	0.23000	25.818	0.74823	0.24475	93	-0.15	0%	0
005.00	Ash, 2h @ 600°C (%)	0870	25.748	0.71890	25.818	0.74823	0.24475	93	-0.09	0%	0
005.00	Ash, 2h @ 600°C (%)	0848	25.875	0.15000	25.818	0.74823	0.24475	93	0.08	0%	0
005.00	Ash, 2h @ 600°C (%)	0407	25.892	0.21240	25.818	0.74823	0.24475	93	0.10	0%	0
005.00	Ash, 2h @ 600°C (%)	0964	25.926	0.54700	25.818	0.74823	0.24475	93	0.14	0%	0
005.00	Ash, 2h @ 600°C (%)	0425	25.940	0.10000	25.818	0.74823	0.24475	93	0.16	0%	0
005.00	Ash, 2h @ 600°C (%)	0880	25.940	0.60000	25.818	0.74823	0.24475	93	0.16	0%	0
005.00	Ash, 2h @ 600°C (%)	0226	25.950	0.50000	25.818	0.74823	0.24475	93	0.18	0%	0
005.00	Ash, 2h @ 600°C (%)	0874	25.965	0.37000	25.818	0.74823	0.24475	93	0.20	0%	0
005.00	Ash, 2h @ 600°C (%)	0953	25.970	0.02000	25.818	0.74823	0.24475	93	0.20	0%	0
005.00	Ash, 2h @ 600°C (%)	0529	26.005	0.43000	25.818	0.74823	0.24475	93	0.25	0%	0
005.00	Ash, 2h @ 600°C (%)	0144	26.010	0.06000	25.818	0.74823	0.24475	93	0.26	0%	0
005.00	Ash, 2h @ 600°C (%)	0229	26.025	0.45000	25.818	0.74823	0.24475	93	0.28	0%	0
005.00	Ash, 2h @ 600°C (%)	0139	26.045	0.03000	25.818	0.74823	0.24475	93	0.30	0%	0
005.00	Ash, 2h @ 600°C (%)	0033	26.050	0.30000	25.818	0.74823	0.24475	93	0.31	0%	0
005.00	Ash, 2h @ 600°C (%)	0098	26.050	0.28000	25.818	0.74823	0.24475	93	0.31	0%	0
005.00	Ash, 2h @ 600°C (%)	0265	26.060	0.18000	25.818	0.74823	0.24475	93	0.32	0%	0
005.00	Ash, 2h @ 600°C (%)	0038	26.075	0.09000	25.818	0.74823	0.24475	93	0.34	0%	0
005.00	Ash, 2h @ 600°C (%)	0643	26.075	0.09000	25.818	0.74823	0.24475	93	0.34	0%	0
005.00	Ash, 2h @ 600°C (%)	0504	26.080	0.04000	25.818	0.74823	0.24475	93	0.35	1%	0
005.00	Ash, 2h @ 600°C (%)	0505	26.100	0.20000	25.818	0.74823	0.24475	93	0.38	1%	0
005.00	Ash, 2h @ 600°C (%)	0674	26.100	0.00000	25.818	0.74823	0.24475	93	0.38	1%	0
005.00	Ash, 2h @ 600°C (%)	0354	26.125	0.01000	25.818	0.74823	0.24475	93	0.41	1%	0
005.00	Ash, 2h @ 600°C (%)	0358	26.195	0.55000	25.818	0.74823	0.24475	93	0.50	1%	0
005.00	Ash, 2h @ 600°C (%)	0682	26.200	0.00000	25.818	0.74823	0.24475	93	0.51	1%	0
005.00	Ash, 2h @ 600°C (%)	0100	26.200	0.06000	25.818	0.74823	0.24475	93	0.51	1%	0
005.00	Ash, 2h @ 600°C (%)	0035	26.205	0.09000	25.818	0.74823	0.24475	93	0.52	1%	0
005.00	Ash, 2h @ 600°C (%)	0563	26.222	0.00830	25.818	0.74823	0.24475	93	0.54	1%	0
005.00	Ash, 2h @ 600°C (%)	0968	26.240	0.16300	25.818	0.74823	0.24475	93	0.56	1%	0
005.00	Ash, 2h @ 600°C (%)	0001	26.244	0.01350	25.818	0.74823	0.24475	93	0.57	1%	0
005.00	Ash, 2h @ 600°C (%)	0047	26.250	0.10000	25.818	0.74823	0.24475	93	0.58	1%	0
005.00	Ash, 2h @ 600°C (%)	0552	26.265	0.11000	25.818	0.74823	0.24475	93	0.60	1%	0
005.00	Ash, 2h @ 600°C (%)	0108	26.295	0.29000	25.818	0.74823	0.24475	93	0.64	1%	0
005.00	Ash, 2h @ 600°C (%)	0653	26.305	0.03000	25.818	0.74823	0.24475	93	0.65	1%	0
005.00	Ash, 2h @ 600°C (%)	0171	26.320	0.26000	25.818	0.74823	0.24475	93	0.67	1%	0
005.00	Ash, 2h @ 600°C (%)	2006	26.320	0.10000	25.818	0.74823	0.24475	93	0.67	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	
005.00	Ash, 2h @ 600°C (%)	0553	26.325	0.03000	25.818	0.74823	0.24475	93	0.68	1%	0
005.00	Ash, 2h @ 600°C (%)	2012	26.330	0.12000	25.818	0.74823	0.24475	93	0.68	1%	0
005.00	Ash, 2h @ 600°C (%)	0309	26.335	0.21000	25.818	0.74823	0.24475	93	0.69	1%	0
005.00	Ash, 2h @ 600°C (%)	2150	26.335	0.15000	25.818	0.74823	0.24475	93	0.69	1%	0
005.00	Ash, 2h @ 600°C (%)	0861	26.350	0.02000	25.818	0.74823	0.24475	93	0.71	1%	0
005.00	Ash, 2h @ 600°C (%)	0589	26.365	0.41000	25.818	0.74823	0.24475	93	0.73	1%	0
005.00	Ash, 2h @ 600°C (%)	0353	26.390	0.18000	25.818	0.74823	0.24475	93	0.77	1%	0
005.00	Ash, 2h @ 600°C (%)	0004	26.395	0.27000	25.818	0.74823	0.24475	93	0.77	1%	0
005.00	Ash, 2h @ 600°C (%)	0083	26.405	0.11000	25.818	0.74823	0.24475	93	0.79	1%	0
005.00	Ash, 2h @ 600°C (%)	0510	26.420	0.00000	25.818	0.74823	0.24475	93	0.81	1%	0
005.00	Ash, 2h @ 600°C (%)	2022	26.420	0.06000	25.818	0.74823	0.24475	93	0.81	1%	0
005.00	Ash, 2h @ 600°C (%)	0187	26.435	0.01000	25.818	0.74823	0.24475	93	0.83	1%	0
005.00	Ash, 2h @ 600°C (%)	0045	26.450	0.50000	25.818	0.74823	0.24475	93	0.85	1%	0
005.00	Ash, 2h @ 600°C (%)	0366	26.500	0.20000	25.818	0.74823	0.24475	93	0.91	1%	0
005.00	Ash, 2h @ 600°C (%)	0675	26.560	0.52000	25.818	0.74823	0.24475	93	0.99	1%	0
005.00	Ash, 2h @ 600°C (%)	0615	26.625	0.21000	25.818	0.74823	0.24475	93	1.08	2%	0
005.00	Ash, 2h @ 600°C (%)	0948	26.640	0.08000	25.818	0.74823	0.24475	93	1.10	2%	0
005.00	Ash, 2h @ 600°C (%)	0017	26.650	0.10000	25.818	0.74823	0.24475	93	1.11	2%	0
005.00	Ash, 2h @ 600°C (%)	0581	26.690	0.38000	25.818	0.74823	0.24475	93	1.17	2%	0
005.00	Ash, 2h @ 600°C (%)	2089	26.720	0.14000	25.818	0.74823	0.24475	93	1.21	2%	0
005.00	Ash, 2h @ 600°C (%)	0345	26.950	0.30000	25.818	0.74823	0.24475	93	1.51	2%	0
005.00	Ash, 2h @ 600°C (%)	0630	27.020	0.14000	25.818	0.74823	0.24475	93	1.61	2%	0
005.00	Ash, 2h @ 600°C (%)	0852	27.175	0.11000	25.818	0.74823	0.24475	93	1.81	3%	0
005.00	Ash, 2h @ 600°C (%)	0297	25.285	1.8300	25.818	0.74823	0.24475	93	-0.71	1%	1
005.02	Ash, LECO (%)	0644	26.600	0.16000				2			0
005.02	Ash, LECO (%)	2161	26.630	0.00000				2			0
005.05	Ash, 3h @ 550°C (%)	0003	24.100	0.08000	26.251	0.33962	0.20704	29	-6.33	4%	0
005.05	Ash, 3h @ 550°C (%)	0845	25.615	0.81000	26.251	0.33962	0.20704	29	-1.87	1%	0
005.05	Ash, 3h @ 550°C (%)	0849	25.694	0.15300	26.251	0.33962	0.20704	29	-1.64	1%	0
005.05	Ash, 3h @ 550°C (%)	0955	25.800	0.20000	26.251	0.33962	0.20704	29	-1.33	1%	0
005.05	Ash, 3h @ 550°C (%)	0619	25.900	0.00000	26.251	0.33962	0.20704	29	-1.03	1%	0
005.05	Ash, 3h @ 550°C (%)	0889	25.995	0.51000	26.251	0.33962	0.20704	29	-0.75	0%	0
005.05	Ash, 3h @ 550°C (%)	0413	26.050	0.70000	26.251	0.33962	0.20704	29	-0.59	0%	0
005.05	Ash, 3h @ 550°C (%)	0897	26.075	0.01000	26.251	0.33962	0.20704	29	-0.52	0%	0
005.05	Ash, 3h @ 550°C (%)	0940	26.090	0.12000	26.251	0.33962	0.20704	29	-0.47	0%	0
005.05	Ash, 3h @ 550°C (%)	0903	26.105	0.01000	26.251	0.33962	0.20704	29	-0.43	0%	0
005.05	Ash, 3h @ 550°C (%)	0066	26.155	0.37000	26.251	0.33962	0.20704	29	-0.28	0%	0
005.05	Ash, 3h @ 550°C (%)	0895	26.225	0.01000	26.251	0.33962	0.20704	29	-0.08	0%	0
005.05	Ash, 3h @ 550°C (%)	0685	26.255	0.01000	26.251	0.33962	0.20704	29	0.01	0%	0
005.05	Ash, 3h @ 550°C (%)	0726	26.265	0.07000	26.251	0.33962	0.20704	29	0.04	0%	0
005.05	Ash, 3h @ 550°C (%)	0263	26.270	0.05360	26.251	0.33962	0.20704	29	0.05	0%	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	
005.05	Ash, 3h @ 550°C (%)	0939	26.280	0.22000	26.251	0.33962	0.20704	29	0.08	0%	0
005.05	Ash, 3h @ 550°C (%)	0692	26.300	0.00000	26.251	0.33962	0.20704	29	0.14	0%	0
005.05	Ash, 3h @ 550°C (%)	0610	26.345	0.09000	26.251	0.33962	0.20704	29	0.28	0%	0
005.05	Ash, 3h @ 550°C (%)	0590	26.355	0.19000	26.251	0.33962	0.20704	29	0.31	0%	0
005.05	Ash, 3h @ 550°C (%)	2009	26.363	0.02530	26.251	0.33962	0.20704	29	0.33	0%	0
005.05	Ash, 3h @ 550°C (%)	0294	26.400	0.20000	26.251	0.33962	0.20704	29	0.44	0%	0
005.05	Ash, 3h @ 550°C (%)	2129	26.405	0.57000	26.251	0.33962	0.20704	29	0.45	0%	0
005.05	Ash, 3h @ 550°C (%)	0695	26.452	0.23000	26.251	0.33962	0.20704	29	0.59	0%	0
005.05	Ash, 3h @ 550°C (%)	0190	26.455	0.57000	26.251	0.33962	0.20704	29	0.60	0%	0
005.05	Ash, 3h @ 550°C (%)	0689	26.600	0.02000	26.251	0.33962	0.20704	29	1.03	1%	0
005.05	Ash, 3h @ 550°C (%)	0941	26.640	0.16000	26.251	0.33962	0.20704	29	1.14	1%	0
005.05	Ash, 3h @ 550°C (%)	2146	26.855	0.45000	26.251	0.33962	0.20704	29	1.78	1%	0
005.05	Ash, 3h @ 550°C (%)	0878	26.875	0.09000	26.251	0.33962	0.20704	29	1.84	1%	0
005.05	Ash, 3h @ 550°C (%)	0885	26.958	0.08220	26.251	0.33962	0.20704	29	2.08	1%	0
005.11	Ash, NIR (%)	0852	9.2750	0.05000	26.026	14.281	0.55250	4			0
005.11	Ash, NIR (%)	0297	19.050	0.12000	26.026	14.281	0.55250	4			0
005.11	Ash, NIR (%)	2120	37.155	0.59000	26.026	14.281	0.55250	4			0
005.11	Ash, NIR (%)	2121	38.625	1.4500	26.026	14.281	0.55250	4			0
005.99	Ash, Miscellaneous (%)	0536	25.455	0.61000	26.363	0.59761	0.29590	10	-1.52	2%	0
005.99	Ash, Miscellaneous (%)	0574	25.740	0.34000	26.363	0.59761	0.29590	10	-1.04	1%	0
005.99	Ash, Miscellaneous (%)	0728	25.855	0.31000	26.363	0.59761	0.29590	10	-0.85	1%	0
005.99	Ash, Miscellaneous (%)	0884	26.300	0.20000	26.363	0.59761	0.29590	10	-0.11	0%	0
005.99	Ash, Miscellaneous (%)	0629	26.350	0.38000	26.363	0.59761	0.29590	10	-0.02	0%	0
005.99	Ash, Miscellaneous (%)	0652	26.500	0.20000	26.363	0.59761	0.29590	10	0.23	0%	0
005.99	Ash, Miscellaneous (%)	2145	26.710	0.08000	26.363	0.59761	0.29590	10	0.58	1%	0
005.99	Ash, Miscellaneous (%)	0910	26.800	0.20000	26.363	0.59761	0.29590	10	0.73	1%	0
005.99	Ash, Miscellaneous (%)	0202	26.878	0.02900	26.363	0.59761	0.29590	10	0.86	1%	0
005.99	Ash, Miscellaneous (%)	0676	27.035	0.61000	26.363	0.59761	0.29590	10	1.12	1%	0
006.00	Total sugars, As sucrose (%)	0910	4.4100	0.18000				1			0
006.01	Total sugars, Mod. Fehling Soln (%)	0407	5.5300	0.08000				1			0
006.99	Total sugars, Miscellaneous (%)	0956	5.3500	0.30000				1			0
008.02	Fiber, Acid Detergent (%)	0964	8.6500	0.80000	11.288	0.91335	0.31211	16	-2.89	12%	0
008.02	Fiber, Acid Detergent (%)	0590	10.000	0.00000	11.288	0.91335	0.31211	16	-1.41	6%	0
008.02	Fiber, Acid Detergent (%)	0676	10.320	0.06000	11.288	0.91335	0.31211	16	-1.06	4%	0
008.02	Fiber, Acid Detergent (%)	0675	10.720	0.84000	11.288	0.91335	0.31211	16	-0.62	3%	0
008.02	Fiber, Acid Detergent (%)	0208	10.750	1.1000	11.288	0.91335	0.31211	16	-0.59	2%	0
008.02	Fiber, Acid Detergent (%)	0345	10.920	0.14000	11.288	0.91335	0.31211	16	-0.40	2%	0
008.02	Fiber, Acid Detergent (%)	0939	11.075	0.53000	11.288	0.91335	0.31211	16	-0.23	1%	0
008.02	Fiber, Acid Detergent (%)	0504	11.205	0.39000	11.288	0.91335	0.31211	16	-0.09	0%	0
008.02	Fiber, Acid Detergent (%)	0353	11.510	0.06000	11.288	0.91335	0.31211	16	0.24	1%	0
008.02	Fiber, Acid Detergent (%)	0948	11.685	0.45000	11.288	0.91335	0.31211	16	0.43	2%	0

Test Material Code # 201728

Method Proficiency Testing Report

Issue Date : 09/30/2017

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	
008.02	Fiber, Acid Detergent (%)	0226	11.800	0.20000	11.288	0.91335	0.31211	16	0.56	2%	0
008.02	Fiber, Acid Detergent (%)	0098	11.925	0.03000	11.288	0.91335	0.31211	16	0.70	3%	0
008.02	Fiber, Acid Detergent (%)	0148	11.935	0.13000	11.288	0.91335	0.31211	16	0.71	3%	0
008.02	Fiber, Acid Detergent (%)	0309	12.094	0.00380	11.288	0.91335	0.31211	16	0.88	4%	0
008.02	Fiber, Acid Detergent (%)	0187	12.100	0.16000	11.288	0.91335	0.31211	16	0.89	4%	0
008.02	Fiber, Acid Detergent (%)	0689	12.650	0.10000	11.288	0.91335	0.31211	16	1.49	6%	0
008.05	Fiber, Acid Detergent-Hach (%)	0265	12.550	0.10000				1			0
008.08	Fiber, Acid Detergent, ANKOM (%)	0037	2.5250	0.31000	11.343	1.1129	0.36196	40	-7.92	39%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	2012	9.3900	0.02000	11.343	1.1129	0.36196	40	-1.75	9%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0366	9.9500	1.3000	11.343	1.1129	0.36196	40	-1.25	6%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0889	10.010	0.08000	11.343	1.1129	0.36196	40	-1.20	6%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0653	10.110	0.00000	11.343	1.1129	0.36196	40	-1.11	5%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0848	10.145	0.21000	11.343	1.1129	0.36196	40	-1.08	5%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0042	10.315	0.19000	11.343	1.1129	0.36196	40	-0.92	5%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0870	10.331	0.35770	11.343	1.1129	0.36196	40	-0.91	4%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0968	10.426	0.27000	11.343	1.1129	0.36196	40	-0.82	4%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0861	10.520	0.42000	11.343	1.1129	0.36196	40	-0.74	4%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0035	10.645	0.15000	11.343	1.1129	0.36196	40	-0.63	3%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0083	10.760	0.52000	11.343	1.1129	0.36196	40	-0.52	3%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0049	10.795	1.8500	11.343	1.1129	0.36196	40	-0.49	2%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0278	10.850	0.30000	11.343	1.1129	0.36196	40	-0.44	2%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0066	10.860	0.26000	11.343	1.1129	0.36196	40	-0.43	2%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0413	10.900	0.60000	11.343	1.1129	0.36196	40	-0.40	2%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0354	10.990	0.24000	11.343	1.1129	0.36196	40	-0.32	2%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0510	11.000	0.00000	11.343	1.1129	0.36196	40	-0.31	2%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0918	11.292	1.2983	11.343	1.1129	0.36196	40	-0.05	0%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0294	11.300	0.00000	11.343	1.1129	0.36196	40	-0.04	0%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0407	11.320	0.25290	11.343	1.1129	0.36196	40	-0.02	0%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0357	11.450	0.10000	11.343	1.1129	0.36196	40	0.10	0%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0358	11.470	0.34000	11.343	1.1129	0.36196	40	0.11	1%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0033	11.550	0.30000	11.343	1.1129	0.36196	40	0.19	1%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0956	11.600	0.20000	11.343	1.1129	0.36196	40	0.23	1%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0297	11.770	0.10000	11.343	1.1129	0.36196	40	0.38	2%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0581	11.800	0.26000	11.343	1.1129	0.36196	40	0.41	2%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0263	11.825	0.12330	11.343	1.1129	0.36196	40	0.43	2%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0148	11.825	0.15000	11.343	1.1129	0.36196	40	0.43	2%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0190	12.110	0.20000	11.343	1.1129	0.36196	40	0.69	3%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0001	12.125	0.65000	11.343	1.1129	0.36196	40	0.70	3%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0693	12.251	0.28600	11.343	1.1129	0.36196	40	0.82	4%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	2129	12.305	0.27000	11.343	1.1129	0.36196	40	0.86	4%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0726	12.360	0.14000	11.343	1.1129	0.36196	40	0.91	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	
008.08	Fiber, Acid Detergent, ANKOM (%)	0529	12.560	0.84000	11.343	1.1129	0.36196	40	1.09	5%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0164	12.850	0.10000	11.343	1.1129	0.36196	40	1.35	7%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0045	12.950	0.70000	11.343	1.1129	0.36196	40	1.44	7%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0619	14.250	0.70000	11.343	1.1129	0.36196	40	2.61	13%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0536	16.070	0.30000	11.343	1.1129	0.36196	40	4.25	21%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	2022	19.365	0.09000	11.343	1.1129	0.36196	40	7.21	35%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0910	10.275	3.8500	11.343	1.1129	0.36196	40	-0.96	5%	1
008.99	Fiber, Acid Detergent Miscellaneous (%)	0610	10.800	0.40000				3			0
008.99	Fiber, Acid Detergent Miscellaneous (%)	0511	11.200	0.20000				3			0
008.99	Fiber, Acid Detergent Miscellaneous (%)	0941	11.620	0.20000				3			0
009.04	Fiber, Neutral Det-No ENZ Pretreat (%)	0504	20.330	1.7800				1			0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0910	18.250	0.70000	20.660	1.7752	0.38076	13	-1.36	6%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0353	18.700	0.02000	20.660	1.7752	0.38076	13	-1.10	5%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0345	18.850	0.10000	20.660	1.7752	0.38076	13	-1.02	4%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0187	19.225	0.21000	20.660	1.7752	0.38076	13	-0.81	3%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0098	19.850	0.70000	20.660	1.7752	0.38076	13	-0.46	2%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0590	20.400	0.00000	20.660	1.7752	0.38076	13	-0.15	1%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0675	20.860	0.60000	20.660	1.7752	0.38076	13	0.11	0%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0610	21.300	0.60000	20.660	1.7752	0.38076	13	0.36	2%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0689	21.700	0.20000	20.660	1.7752	0.38076	13	0.59	3%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0676	21.960	1.0000	20.660	1.7752	0.38076	13	0.73	3%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0226	22.050	0.10000	20.660	1.7752	0.38076	13	0.78	3%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0208	22.550	0.70000	20.660	1.7752	0.38076	13	1.06	5%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0309	22.890	0.01990	20.660	1.7752	0.38076	13	1.26	5%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0083	17.820	1.2600	20.494	1.7982	0.58979	37	-1.49	7%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0037	17.840	3.1600	20.494	1.7982	0.58979	37	-1.48	6%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0413	18.300	0.20000	20.494	1.7982	0.58979	37	-1.22	5%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0049	18.570	1.0000	20.494	1.7982	0.58979	37	-1.07	5%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0870	18.642	0.06380	20.494	1.7982	0.58979	37	-1.03	5%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0358	18.830	0.20000	20.494	1.7982	0.58979	37	-0.93	4%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0889	18.895	0.17000	20.494	1.7982	0.58979	37	-0.89	4%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	2012	18.980	0.04000	20.494	1.7982	0.58979	37	-0.84	4%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0939	19.140	0.66000	20.494	1.7982	0.58979	37	-0.75	3%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0263	19.350	0.18000	20.494	1.7982	0.58979	37	-0.64	3%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0918	19.461	0.68350	20.494	1.7982	0.58979	37	-0.57	3%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0861	19.495	0.61000	20.494	1.7982	0.58979	37	-0.56	2%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0581	19.685	0.09000	20.494	1.7982	0.58979	37	-0.45	2%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0001	19.785	0.21000	20.494	1.7982	0.58979	37	-0.39	2%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0948	20.020	0.58000	20.494	1.7982	0.58979	37	-0.26	1%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0066	20.120	0.30000	20.494	1.7982	0.58979	37	-0.21	1%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0366	20.150	0.90000	20.494	1.7982	0.58979	37	-0.19	1%	0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
009.09	Fiber, Neutral Detergent, ANKOM (%)	0357	20.250	0.30000	20.494	1.7982	0.58979	37	-0.14	1%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0510	20.300	0.20000	20.494	1.7982	0.58979	37	-0.11	0%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0294	20.450	0.10000	20.494	1.7982	0.58979	37	-0.02	0%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0693	20.459	0.07380	20.494	1.7982	0.58979	37	-0.02	0%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0148	20.530	0.36000	20.494	1.7982	0.58979	37	0.02	0%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0164	20.850	0.30000	20.494	1.7982	0.58979	37	0.20	1%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0968	20.976	0.34400	20.494	1.7982	0.58979	37	0.27	1%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0956	21.050	1.7000	20.494	1.7982	0.58979	37	0.31	1%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0653	21.185	0.11000	20.494	1.7982	0.58979	37	0.38	2%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0297	21.330	1.8600	20.494	1.7982	0.58979	37	0.47	2%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0354	21.345	0.15000	20.494	1.7982	0.58979	37	0.47	2%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0848	21.395	0.41000	20.494	1.7982	0.58979	37	0.50	2%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0045	22.250	1.1000	20.494	1.7982	0.58979	37	0.98	4%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0278	22.600	0.00000	20.494	1.7982	0.58979	37	1.17	5%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0407	22.806	0.13700	20.494	1.7982	0.58979	37	1.29	6%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0726	22.855	0.43000	20.494	1.7982	0.58979	37	1.31	6%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0190	22.980	0.04000	20.494	1.7982	0.58979	37	1.38	6%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	2129	23.335	0.33000	20.494	1.7982	0.58979	37	1.58	7%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0619	25.600	2.6000	20.494	1.7982	0.58979	37	2.84	12%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0536	28.265	0.97000	20.494	1.7982	0.58979	37	4.32	19%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0265	22.150	4.7000	20.494	1.7982	0.58979	37	0.92	4%	1
009.99	Fiber, Neutral Det Miscellaneous (%)	2161	9.1000	0.40000				2			0
009.99	Fiber, Neutral Det Miscellaneous (%)	0941	21.775	0.13000				2			0
010.03	Moisture, Karl-Fischer (%)	0843	6.4450	1.3900				3			0
010.03	Moisture, Karl-Fischer (%)	0208	6.7750	0.25000				3			0
010.03	Moisture, Karl-Fischer (%)	0164	7.1800	0.06000				3			0
010.11	Moisture, NIR (%)	2120	6.3200	0.04000				3			0
010.11	Moisture, NIR (%)	2121	6.3450	0.23000				3			0
010.11	Moisture, NIR (%)	0852	8.4850	0.05000				3			0
010.99	Moisture, Miscellaneous (%)	2144	6.5500	0.02000	7.1755	0.35084	0.14755	20	-1.78	4%	0
010.99	Moisture, Miscellaneous (%)	0914	6.6900	0.32000	7.1755	0.35084	0.14755	20	-1.38	3%	0
010.99	Moisture, Miscellaneous (%)	2129	6.8800	0.92000	7.1755	0.35084	0.14755	20	-0.84	2%	0
010.99	Moisture, Miscellaneous (%)	0964	6.8915	0.07100	7.1755	0.35084	0.14755	20	-0.81	2%	0
010.99	Moisture, Miscellaneous (%)	2089	6.9050	0.21000	7.1755	0.35084	0.14755	20	-0.77	2%	0
010.99	Moisture, Miscellaneous (%)	2004	6.9650	0.03000	7.1755	0.35084	0.14755	20	-0.60	1%	0
010.99	Moisture, Miscellaneous (%)	0692	6.9950	0.31000	7.1755	0.35084	0.14755	20	-0.51	1%	0
010.99	Moisture, Miscellaneous (%)	0917	7.1500	0.10000	7.1755	0.35084	0.14755	20	-0.07	0%	0
010.99	Moisture, Miscellaneous (%)	0952	7.1500	0.02000	7.1755	0.35084	0.14755	20	-0.07	0%	0
010.99	Moisture, Miscellaneous (%)	2145	7.1500	0.02000	7.1755	0.35084	0.14755	20	-0.07	0%	0
010.99	Moisture, Miscellaneous (%)	0948	7.1550	0.05000	7.1755	0.35084	0.14755	20	-0.06	0%	0
010.99	Moisture, Miscellaneous (%)	2161	7.1600	0.02000	7.1755	0.35084	0.14755	20	-0.04	0%	0

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010.99	Moisture, Miscellaneous (%)	0875	7.2250	0.01000	7.1755	0.35084	0.14755	20	0.14	0%	0
010.99	Moisture, Miscellaneous (%)	0190	7.2800	0.06000	7.1755	0.35084	0.14755	20	0.30	1%	0
010.99	Moisture, Miscellaneous (%)	0884	7.3000	0.20000	7.1755	0.35084	0.14755	20	0.35	1%	0
010.99	Moisture, Miscellaneous (%)	0939	7.4150	0.19000	7.1755	0.35084	0.14755	20	0.68	2%	0
010.99	Moisture, Miscellaneous (%)	2076	7.4500	0.06000	7.1755	0.35084	0.14755	20	0.78	2%	0
010.99	Moisture, Miscellaneous (%)	0726	7.6950	0.07000	7.1755	0.35084	0.14755	20	1.48	4%	0
010.99	Moisture, Miscellaneous (%)	0028	7.7750	0.17000	7.1755	0.35084	0.14755	20	1.71	4%	0
010.99	Moisture, Miscellaneous (%)	0405	11.150	0.10000	7.1755	0.35084	0.14755	20	11.33	28%	0
010.99	Moisture, Miscellaneous (%)	2105	4.7650	1.8700	7.1755	0.35084	0.14755	20	-6.87	17%	1
011.01	Loss on Drying, 135°C 2hr (%)	2073	6.2700	0.36000	8.3667	0.39555	0.11300	65	-5.30	13%	0
011.01	Loss on Drying, 135°C 2hr (%)	0848	6.8950	0.05000	8.3667	0.39555	0.11300	65	-3.72	9%	0
011.01	Loss on Drying, 135°C 2hr (%)	0345	7.0650	0.03000	8.3667	0.39555	0.11300	65	-3.29	8%	0
011.01	Loss on Drying, 135°C 2hr (%)	0874	7.1550	0.03000	8.3667	0.39555	0.11300	65	-3.06	7%	0
011.01	Loss on Drying, 135°C 2hr (%)	0574	7.8300	0.06000	8.3667	0.39555	0.11300	65	-1.36	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0880	7.8850	0.45000	8.3667	0.39555	0.11300	65	-1.22	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0598	7.9300	0.16000	8.3667	0.39555	0.11300	65	-1.10	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0643	7.9500	0.10000	8.3667	0.39555	0.11300	65	-1.05	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0407	7.9670	0.04200	8.3667	0.39555	0.11300	65	-1.01	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	2097	7.9723	0.20210	8.3667	0.39555	0.11300	65	-1.00	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0175	8.0000	0.40000	8.3667	0.39555	0.11300	65	-0.93	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0653	8.0050	0.07000	8.3667	0.39555	0.11300	65	-0.91	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0208	8.0400	0.12000	8.3667	0.39555	0.11300	65	-0.83	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0226	8.0500	0.10000	8.3667	0.39555	0.11300	65	-0.80	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0953	8.0650	0.25000	8.3667	0.39555	0.11300	65	-0.76	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0870	8.0882	0.23180	8.3667	0.39555	0.11300	65	-0.70	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0026	8.0950	0.21000	8.3667	0.39555	0.11300	65	-0.69	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0108	8.1300	0.36000	8.3667	0.39555	0.11300	65	-0.60	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0171	8.1450	0.03000	8.3667	0.39555	0.11300	65	-0.56	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	2006	8.1450	0.05000	8.3667	0.39555	0.11300	65	-0.56	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0520	8.1500	0.10000	8.3667	0.39555	0.11300	65	-0.55	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0202	8.1645	0.00100	8.3667	0.39555	0.11300	65	-0.51	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0685	8.1850	0.01000	8.3667	0.39555	0.11300	65	-0.46	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0233	8.2050	0.05000	8.3667	0.39555	0.11300	65	-0.41	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0294	8.2500	0.10000	8.3667	0.39555	0.11300	65	-0.30	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0552	8.2550	0.23000	8.3667	0.39555	0.11300	65	-0.28	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0033	8.2850	0.07000	8.3667	0.39555	0.11300	65	-0.21	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0354	8.2850	0.01000	8.3667	0.39555	0.11300	65	-0.21	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0510	8.3000	0.00000	8.3667	0.39555	0.11300	65	-0.17	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0968	8.3030	0.01600	8.3667	0.39555	0.11300	65	-0.16	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0876	8.3050	0.01000	8.3667	0.39555	0.11300	65	-0.16	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0674	8.3100	0.00000	8.3667	0.39555	0.11300	65	-0.14	0%	0

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011.01	Loss on Drying, 135°C 2hr (%)	0536	8.3150	0.07000	8.3667	0.39555	0.11300	65	-0.13	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0100	8.3200	0.02000	8.3667	0.39555	0.11300	65	-0.12	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0675	8.3200	0.18000	8.3667	0.39555	0.11300	65	-0.12	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0298	8.3600	0.02000	8.3667	0.39555	0.11300	65	-0.02	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0859	8.3610	0.07600	8.3667	0.39555	0.11300	65	-0.01	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0144	8.4450	0.03000	8.3667	0.39555	0.11300	65	0.20	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0563	8.4489	0.06370	8.3667	0.39555	0.11300	65	0.21	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0541	8.4750	0.15000	8.3667	0.39555	0.11300	65	0.27	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0511	8.5050	0.05000	8.3667	0.39555	0.11300	65	0.35	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0229	8.5100	0.00000	8.3667	0.39555	0.11300	65	0.36	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0646	8.5150	0.37000	8.3667	0.39555	0.11300	65	0.37	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0148	8.5350	0.19000	8.3667	0.39555	0.11300	65	0.43	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0066	8.5400	0.10000	8.3667	0.39555	0.11300	65	0.44	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0553	8.5700	0.08000	8.3667	0.39555	0.11300	65	0.51	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0881	8.5835	0.05900	8.3667	0.39555	0.11300	65	0.55	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0682	8.6100	0.00000	8.3667	0.39555	0.11300	65	0.62	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0242	8.6200	0.08000	8.3667	0.39555	0.11300	65	0.64	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0589	8.6450	0.45000	8.3667	0.39555	0.11300	65	0.70	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0098	8.6500	0.02000	8.3667	0.39555	0.11300	65	0.72	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	2022	8.7150	0.01000	8.3667	0.39555	0.11300	65	0.88	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0309	8.7500	0.10000	8.3667	0.39555	0.11300	65	0.97	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0164	8.7750	0.05000	8.3667	0.39555	0.11300	65	1.03	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0205	8.7925	0.05300	8.3667	0.39555	0.11300	65	1.08	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0265	8.8000	0.20000	8.3667	0.39555	0.11300	65	1.10	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	2031	8.8205	0.06170	8.3667	0.39555	0.11300	65	1.15	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0358	8.8550	0.19000	8.3667	0.39555	0.11300	65	1.23	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0004	8.9050	0.01000	8.3667	0.39555	0.11300	65	1.36	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	2068	8.9250	0.03000	8.3667	0.39555	0.11300	65	1.41	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0123	8.9400	0.02000	8.3667	0.39555	0.11300	65	1.45	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0263	8.9670	0.20000	8.3667	0.39555	0.11300	65	1.52	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0861	9.1400	0.02000	8.3667	0.39555	0.11300	65	1.96	5%	0
011.01	Loss on Drying, 135°C 2hr (%)	0047	9.1500	0.30000	8.3667	0.39555	0.11300	65	1.98	5%	0
011.01	Loss on Drying, 135°C 2hr (%)	0728	9.2105	0.18900	8.3667	0.39555	0.11300	65	2.13	5%	0
011.01	Loss on Drying, 135°C 2hr (%)	0539	8.4200	0.78000	8.3667	0.39555	0.11300	65	0.13	0%	1
011.02	Loss on Drying, 130°C for 2 hours (%)	0942	7.7450	0.11000				3			0
011.02	Loss on Drying, 130°C for 2 hours (%)	0425	8.5050	0.05000				3			0
011.02	Loss on Drying, 130°C for 2 hours (%)	0843	8.8900	0.08000				3			0
011.99	Loss on Drying, High Temp. Methods Miscellaneous	0857	8.0000	0.40000				3			0
011.99	Loss on Drying, High Temp. Methods Miscellaneous	0541	8.3750	0.21000				3			0
011.99	Loss on Drying, High Temp. Methods Miscellaneous	0852	9.8950	0.13000				3			0
012.00	Starch, Polarimetric (Ewers) (%)	0689	4.5500	0.10000	5.4933	0.84127	0.10000	6	-1.12	9%	0

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012.00	Starch, Polarimetric (Ewers) (%)	0164	5.0000	0.20000	5.4933	0.84127	0.10000	6	-0.59	4%	0
012.00	Starch, Polarimetric (Ewers) (%)	0619	5.2050	0.01000	5.4933	0.84127	0.10000	6	-0.34	3%	0
012.00	Starch, Polarimetric (Ewers) (%)	2006	5.6000	0.08000	5.4933	0.84127	0.10000	6	0.13	1%	0
012.00	Starch, Polarimetric (Ewers) (%)	0354	5.9750	0.21000	5.4933	0.84127	0.10000	6	0.57	4%	0
012.00	Starch, Polarimetric (Ewers) (%)	0552	6.6300	0.00000	5.4933	0.84127	0.10000	6	1.35	10%	0
012.00	Starch, Polarimetric (Ewers) (%)	0910	6.0000	2.2000	5.4933	0.84127	0.10000	6	0.60	5%	1
012.01	Starch, Megazyme (%)	0918	3.9885	0.35300	5.2107	0.90998	0.21623	9	-1.34	12%	0
012.01	Starch, Megazyme (%)	0160	4.6150	0.39000	5.2107	0.90998	0.21623	9	-0.65	6%	0
012.01	Starch, Megazyme (%)	0045	4.7400	0.10000	5.2107	0.90998	0.21623	9	-0.52	5%	0
012.01	Starch, Megazyme (%)	0676	5.0950	0.15000	5.2107	0.90998	0.21623	9	-0.13	1%	0
012.01	Starch, Megazyme (%)	0693	5.1250	0.08010	5.2107	0.90998	0.21623	9	-0.09	1%	0
012.01	Starch, Megazyme (%)	0870	5.1570	0.07300	5.2107	0.90998	0.21623	9	-0.06	1%	0
012.01	Starch, Megazyme (%)	0956	5.3000	0.20000	5.2107	0.90998	0.21623	9	0.10	1%	0
012.01	Starch, Megazyme (%)	0164	6.3000	0.20000	5.2107	0.90998	0.21623	9	1.20	10%	0
012.01	Starch, Megazyme (%)	0265	8.7000	0.40000	5.2107	0.90998	0.21623	9	3.83	33%	0
012.03	Starch, Enzymatic (%)	0407	4.8200	0.02000	5.7990	0.94449	0.22200	5			0
012.03	Starch, Enzymatic (%)	0098	5.0750	0.07000	5.7990	0.94449	0.22200	5			0
012.03	Starch, Enzymatic (%)	0297	5.5100	0.32000	5.7990	0.94449	0.22200	5			0
012.03	Starch, Enzymatic (%)	0955	6.7000	0.64000	5.7990	0.94449	0.22200	5			0
012.03	Starch, Enzymatic (%)	0889	6.8900	0.06000	5.7990	0.94449	0.22200	5			0
012.04	Starch, YSI Analyzer (%)	0510	4.6500	0.10000	5.2725	0.79046	0.16500	4			0
012.04	Starch, YSI Analyzer (%)	0353	4.9600	0.12000	5.2725	0.79046	0.16500	4			0
012.04	Starch, YSI Analyzer (%)	0278	5.0500	0.30000	5.2725	0.79046	0.16500	4			0
012.04	Starch, YSI Analyzer (%)	0948	6.4300	0.14000	5.2725	0.79046	0.16500	4			0
012.11	Starch, NIR (%)	0297	3.5350	0.29000				1			0
013.00	Fat, Acid hydrolysis (%)	0083	1.6450	0.07000	2.7430	0.75616	0.17964	19	-1.45	20%	0
013.00	Fat, Acid hydrolysis (%)	0309	1.7396	0.13380	2.7430	0.75616	0.17964	19	-1.33	18%	0
013.00	Fat, Acid hydrolysis (%)	0242	1.9550	0.05000	2.7430	0.75616	0.17964	19	-1.04	14%	0
013.00	Fat, Acid hydrolysis (%)	2004	2.1000	0.00000	2.7430	0.75616	0.17964	19	-0.85	12%	0
013.00	Fat, Acid hydrolysis (%)	0652	2.3500	0.10000	2.7430	0.75616	0.17964	19	-0.52	7%	0
013.00	Fat, Acid hydrolysis (%)	0297	2.4650	0.03000	2.7430	0.75616	0.17964	19	-0.37	5%	0
013.00	Fat, Acid hydrolysis (%)	0948	2.4900	0.00000	2.7430	0.75616	0.17964	19	-0.33	5%	0
013.00	Fat, Acid hydrolysis (%)	0229	2.5000	0.48000	2.7430	0.75616	0.17964	19	-0.32	4%	0
013.00	Fat, Acid hydrolysis (%)	0910	2.5050	0.23000	2.7430	0.75616	0.17964	19	-0.31	4%	0
013.00	Fat, Acid hydrolysis (%)	0541	2.5950	0.03000	2.7430	0.75616	0.17964	19	-0.20	3%	0
013.00	Fat, Acid hydrolysis (%)	0504	2.6150	0.45000	2.7430	0.75616	0.17964	19	-0.17	2%	0
013.00	Fat, Acid hydrolysis (%)	0884	2.6500	0.50000	2.7430	0.75616	0.17964	19	-0.12	2%	0
013.00	Fat, Acid hydrolysis (%)	0202	3.2775	0.02900	2.7430	0.75616	0.17964	19	0.71	10%	0
013.00	Fat, Acid hydrolysis (%)	0615	3.2900	0.32000	2.7430	0.75616	0.17964	19	0.72	10%	0
013.00	Fat, Acid hydrolysis (%)	2161	3.3650	0.53000	2.7430	0.75616	0.17964	19	0.82	11%	0
013.00	Fat, Acid hydrolysis (%)	0139	3.5150	0.03000	2.7430	0.75616	0.17964	19	1.02	14%	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 (%)	0695	3.5370	0.09200	2.7430	0.75616	0.17964	19	1.05	14%	0
013.00	Fat, Acid hydrolysis (%)	2076	3.6450	0.33000	2.7430	0.75616	0.17964	19	1.19	16%	0
013.00	Fat, Acid hydrolysis (%)	0618	6.4658	0.00840	2.7430	0.75616	0.17964	19	4.92	68%	0
013.02	Fat, Mojonnier, Bak Ext (%)	2073	2.0300	0.40000	3.1509	0.90307	0.10128	16	-1.24	18%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0964	2.1530	0.08000	3.1509	0.90307	0.10128	16	-1.10	16%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0874	2.2650	0.01000	3.1509	0.90307	0.10128	16	-0.98	14%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0098	2.4950	0.03000	3.1509	0.90307	0.10128	16	-0.73	10%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0148	2.6400	0.08000	3.1509	0.90307	0.10128	16	-0.57	8%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0643	2.6450	0.03000	3.1509	0.90307	0.10128	16	-0.56	8%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0208	2.7850	0.07000	3.1509	0.90307	0.10128	16	-0.41	6%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0870	3.0803	0.03050	3.1509	0.90307	0.10128	16	-0.08	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	2150	3.2000	0.14000	3.1509	0.90307	0.10128	16	0.05	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0164	3.2650	0.05000	3.1509	0.90307	0.10128	16	0.13	2%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0100	3.3850	0.07000	3.1509	0.90307	0.10128	16	0.26	4%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0676	3.4500	0.06000	3.1509	0.90307	0.10128	16	0.33	5%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0354	3.7800	0.08000	3.1509	0.90307	0.10128	16	0.70	10%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0682	4.2300	0.00000	3.1509	0.90307	0.10128	16	1.19	17%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0675	4.5100	0.28000	3.1509	0.90307	0.10128	16	1.50	22%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0861	4.9850	0.21000	3.1509	0.90307	0.10128	16	2.03	29%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0553	2.1750	0.75000	3.1509	0.90307	0.10128	16	-1.08	15%	1
013.08	Fat, Roesse-Gottlieb Modified (%)	0618	2.0424	0.03880				1			0
013.10	Fat, Soxtec-Acid Hydrolysis (%)	0875	1.5450	0.15000	1.9771	0.48339	0.08940	6	-0.89	11%	0
013.10	Fat, Soxtec-Acid Hydrolysis (%)	0845	1.6100	0.06000	1.9771	0.48339	0.08940	6	-0.76	9%	0
013.10	Fat, Soxtec-Acid Hydrolysis (%)	0036	1.8024	0.09640	1.9771	0.48339	0.08940	6	-0.36	4%	0
013.10	Fat, Soxtec-Acid Hydrolysis (%)	0610	2.0400	0.08000	1.9771	0.48339	0.08940	6	0.13	2%	0
013.10	Fat, Soxtec-Acid Hydrolysis (%)	2006	2.1700	0.00000	1.9771	0.48339	0.08940	6	0.40	5%	0
013.10	Fat, Soxtec-Acid Hydrolysis (%)	0353	2.6950	0.15000	1.9771	0.48339	0.08940	6	1.49	18%	0
013.13	Fat, Ankom- Acid Hydrolysis (%)	0968	1.7840	0.02600	2.6206	0.42922	0.29139	7	-1.95	16%	0
013.13	Fat, Ankom- Acid Hydrolysis (%)	0955	2.5100	0.12000	2.6206	0.42922	0.29139	7	-0.26	2%	0
013.13	Fat, Ankom- Acid Hydrolysis (%)	0843	2.5350	0.79000	2.6206	0.42922	0.29139	7	-0.20	2%	0
013.13	Fat, Ankom- Acid Hydrolysis (%)	0581	2.5450	0.29000	2.6206	0.42922	0.29139	7	-0.18	1%	0
013.13	Fat, Ankom- Acid Hydrolysis (%)	0003	2.6800	0.52000	2.6206	0.42922	0.29139	7	0.14	1%	0
013.13	Fat, Ankom- Acid Hydrolysis (%)	0407	2.8330	0.09370	2.6206	0.42922	0.29139	7	0.49	4%	0
013.13	Fat, Ankom- Acid Hydrolysis (%)	0265	4.2000	0.20000	2.6206	0.42922	0.29139	7	3.68	30%	0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0049	283.35	15.930	344.77	60.862	16.758	4			0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0520	313.50	11.000	344.77	60.862	16.758	4			0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0164	359.00	38.000	344.77	60.862	16.758	4			0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0171	423.25	2.1000	344.77	60.862	16.758	4			0
015.42	Aluminum, ICP, Open vessel (mg / kg (ppm))	0560	124.80	7.8000				1			0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0918	220.58	8.7294	280.80	43.408	15.766	8	-1.39	11%	0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0297	239.00	16.000	280.80	43.408	15.766	8	-0.96	7%	0

Test Material Code # 201728

Method Proficiency Testing Report

Issue Date : 09/30/2017

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	
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0510	253.00	6.0000	280.80	43.408	15.766	8	-0.64	5%	0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0169	287.50	17.000	280.80	43.408	15.766	8	0.15	1%	0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0345	299.00	10.000	280.80	43.408	15.766	8	0.42	3%	0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0021	310.00	40.000	280.80	43.408	15.766	8	0.67	5%	0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0034	315.80	27.400	280.80	43.408	15.766	8	0.81	6%	0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0353	321.50	1.0000	280.80	43.408	15.766	8	0.94	7%	0
015.52	Aluminum, ICP-MS, Open vessel (mg / kg (ppm))	0186	123.00	16.000				1			0
015.53	Aluminum, ICP-MS, Microwave (mg / kg (ppm))	0553	331.50	43.000				1			0
017.41	Boron, ICP, Dry ash (mg / kg (ppm))	0049	16.730	1.7400	18.609	1.9157	1.3275	4			0
017.41	Boron, ICP, Dry ash (mg / kg (ppm))	0358	17.360	0.52000	18.609	1.9157	1.3275	4			0
017.41	Boron, ICP, Dry ash (mg / kg (ppm))	0229	19.455	1.5500	18.609	1.9157	1.3275	4			0
017.41	Boron, ICP, Dry ash (mg / kg (ppm))	0226	20.890	1.5000	18.609	1.9157	1.3275	4			0
017.42	Boron, ICP, Open vessel (mg / kg (ppm))	0560	14.040	0.10000	16.487	2.5743	0.58538	5			0
017.42	Boron, ICP, Open vessel (mg / kg (ppm))	0693	14.877	1.3069	16.487	2.5743	0.58538	5			0
017.42	Boron, ICP, Open vessel (mg / kg (ppm))	0045	15.750	0.50000	16.487	2.5743	0.58538	5			0
017.42	Boron, ICP, Open vessel (mg / kg (ppm))	2053	17.170	1.0200	16.487	2.5743	0.58538	5			0
017.42	Boron, ICP, Open vessel (mg / kg (ppm))	0294	20.600	0.00000	16.487	2.5743	0.58538	5			0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0297	6.5000	1.0000	14.276	4.5902	0.47600	5			0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0345	13.900	0.20000	14.276	4.5902	0.47600	5			0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0918	16.480	0.18000	14.276	4.5902	0.47600	5			0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0353	16.500	1.0000	14.276	4.5902	0.47600	5			0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0510	18.000	0.00000	14.276	4.5902	0.47600	5			0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0021	0.00000	0.00000	14.276	4.5902	0.47600	5			4
019.00	Calcium, Ox-Mn04 Vol. (%)	0552	6.5900	0.00000	6.8486	0.10360	0.05813	8	-2.50	2%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0903	6.7450	0.01000	6.8486	0.10360	0.05813	8	-1.00	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	2006	6.8255	0.07700	6.8486	0.10360	0.05813	8	-0.22	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0895	6.8600	0.02000	6.8486	0.10360	0.05813	8	0.11	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0897	6.8600	0.02000	6.8486	0.10360	0.05813	8	0.11	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0881	6.9250	0.23800	6.8486	0.10360	0.05813	8	0.74	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	2068	6.9300	0.00000	6.8486	0.10360	0.05813	8	0.79	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0043	6.9500	0.10000	6.8486	0.10360	0.05813	8	0.98	1%	0
019.03	Calcium, Semiauto (Autoanalyzer) (%)	0036	7.2459	0.00970				1			0
019.08	Calcium, EDTA (%)	0590	6.6000	0.02000	6.9880	0.38957	0.03863	7	-1.00	3%	0
019.08	Calcium, EDTA (%)	0629	6.6750	0.01000	6.9880	0.38957	0.03863	7	-0.80	2%	0
019.08	Calcium, EDTA (%)	0849	6.7085	0.02300	6.9880	0.38957	0.03863	7	-0.72	2%	0
019.08	Calcium, EDTA (%)	0885	7.0667	0.04830	6.9880	0.38957	0.03863	7	0.20	1%	0
019.08	Calcium, EDTA (%)	0689	7.1300	0.04000	6.9880	0.38957	0.03863	7	0.36	1%	0
019.08	Calcium, EDTA (%)	2009	7.1862	0.02910	6.9880	0.38957	0.03863	7	0.51	1%	0
019.08	Calcium, EDTA (%)	0852	7.5500	0.10000	6.9880	0.38957	0.03863	7	1.44	4%	0
019.08	Calcium, EDTA (%)	0940	6.3300	0.48000	6.9880	0.38957	0.03863	7	-1.69	5%	1
019.09	Calcium, Ion-selective electrode (%)	2006	6.6295	0.14300				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	
019.31	Calcium, AAS, Dry ash (%)	0536	3.2650	0.23000	6.9407	0.36771	0.17601	23	-10.00	26%	0
019.31	Calcium, AAS, Dry ash (%)	0175	6.4000	0.12000	6.9407	0.36771	0.17601	23	-1.47	4%	0
019.31	Calcium, AAS, Dry ash (%)	0653	6.5840	0.28200	6.9407	0.36771	0.17601	23	-0.97	3%	0
019.31	Calcium, AAS, Dry ash (%)	0884	6.6200	0.22000	6.9407	0.36771	0.17601	23	-0.87	2%	0
019.31	Calcium, AAS, Dry ash (%)	0948	6.6750	0.11000	6.9407	0.36771	0.17601	23	-0.72	2%	0
019.31	Calcium, AAS, Dry ash (%)	2022	6.7100	0.00000	6.9407	0.36771	0.17601	23	-0.63	2%	0
019.31	Calcium, AAS, Dry ash (%)	0038	6.7475	0.07300	6.9407	0.36771	0.17601	23	-0.53	1%	0
019.31	Calcium, AAS, Dry ash (%)	0563	6.7620	0.38000	6.9407	0.36771	0.17601	23	-0.49	1%	0
019.31	Calcium, AAS, Dry ash (%)	0505	6.8000	0.06000	6.9407	0.36771	0.17601	23	-0.38	1%	0
019.31	Calcium, AAS, Dry ash (%)	0939	6.8000	0.18000	6.9407	0.36771	0.17601	23	-0.38	1%	0
019.31	Calcium, AAS, Dry ash (%)	0142	6.8329	0.02970	6.9407	0.36771	0.17601	23	-0.29	1%	0
019.31	Calcium, AAS, Dry ash (%)	0354	6.8350	0.01000	6.9407	0.36771	0.17601	23	-0.29	1%	0
019.31	Calcium, AAS, Dry ash (%)	0014	7.0000	0.08000	6.9407	0.36771	0.17601	23	0.16	0%	0
019.31	Calcium, AAS, Dry ash (%)	0878	7.0200	0.04000	6.9407	0.36771	0.17601	23	0.22	1%	0
019.31	Calcium, AAS, Dry ash (%)	0687	7.0250	0.55000	6.9407	0.36771	0.17601	23	0.23	1%	0
019.31	Calcium, AAS, Dry ash (%)	0208	7.1180	0.40800	6.9407	0.36771	0.17601	23	0.48	1%	0
019.31	Calcium, AAS, Dry ash (%)	0874	7.1350	0.17000	6.9407	0.36771	0.17601	23	0.53	1%	0
019.31	Calcium, AAS, Dry ash (%)	2097	7.2027	0.07350	6.9407	0.36771	0.17601	23	0.71	2%	0
019.31	Calcium, AAS, Dry ash (%)	0674	7.2700	0.00000	6.9407	0.36771	0.17601	23	0.90	2%	0
019.31	Calcium, AAS, Dry ash (%)	0233	7.3200	0.16000	6.9407	0.36771	0.17601	23	1.03	3%	0
019.31	Calcium, AAS, Dry ash (%)	0108	7.4050	0.17000	6.9407	0.36771	0.17601	23	1.26	3%	0
019.31	Calcium, AAS, Dry ash (%)	0529	7.6850	0.31000	6.9407	0.36771	0.17601	23	2.02	5%	0
019.31	Calcium, AAS, Dry ash (%)	0001	7.9400	0.39200	6.9407	0.36771	0.17601	23	2.72	7%	0
019.32	Calcium, AAS, Open vessel (%)	0612	6.6000	0.22000				3			0
019.32	Calcium, AAS, Open vessel (%)	0035	6.8500	0.48000				3			0
019.32	Calcium, AAS, Open vessel (%)	0169	7.1750	0.15000				3			0
019.33	Calcium, AAS, Microwave (%)	2161	7.1800	0.08000				2			0
019.33	Calcium, AAS, Microwave (%)	0010	7.5000	0.16000				2			0
019.41	Calcium, ICP, Dry ash (%)	0298	5.9700	0.02000	7.0024	0.36524	0.12778	28	-2.83	7%	0
019.41	Calcium, ICP, Dry ash (%)	0019	6.5200	0.26000	7.0024	0.36524	0.12778	28	-1.32	3%	0
019.41	Calcium, ICP, Dry ash (%)	0171	6.5750	0.07000	7.0024	0.36524	0.12778	28	-1.17	3%	0
019.41	Calcium, ICP, Dry ash (%)	0848	6.6100	0.00000	7.0024	0.36524	0.12778	28	-1.07	3%	0
019.41	Calcium, ICP, Dry ash (%)	0910	6.6250	0.05000	7.0024	0.36524	0.12778	28	-1.03	3%	0
019.41	Calcium, ICP, Dry ash (%)	0144	6.7050	0.11000	7.0024	0.36524	0.12778	28	-0.81	2%	0
019.41	Calcium, ICP, Dry ash (%)	0164	6.7400	0.06000	7.0024	0.36524	0.12778	28	-0.72	2%	0
019.41	Calcium, ICP, Dry ash (%)	0011	6.7441	0.45760	7.0024	0.36524	0.12778	28	-0.71	2%	0
019.41	Calcium, ICP, Dry ash (%)	0123	6.7850	0.01000	7.0024	0.36524	0.12778	28	-0.60	2%	0
019.41	Calcium, ICP, Dry ash (%)	0098	6.8150	0.01000	7.0024	0.36524	0.12778	28	-0.51	1%	0
019.41	Calcium, ICP, Dry ash (%)	0511	6.9150	0.17000	7.0024	0.36524	0.12778	28	-0.24	1%	0
019.41	Calcium, ICP, Dry ash (%)	0598	6.9225	0.08900	7.0024	0.36524	0.12778	28	-0.22	1%	0
019.41	Calcium, ICP, Dry ash (%)	0148	6.9300	0.08000	7.0024	0.36524	0.12778	28	-0.20	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	
019.41	Calcium, ICP, Dry ash (%)	0695	7.0045	0.09100	7.0024	0.36524	0.12778	28	0.01	0%	0
019.41	Calcium, ICP, Dry ash (%)	0049	7.0150	0.31000	7.0024	0.36524	0.12778	28	0.03	0%	0
019.41	Calcium, ICP, Dry ash (%)	0405	7.0600	0.02000	7.0024	0.36524	0.12778	28	0.16	0%	0
019.41	Calcium, ICP, Dry ash (%)	2012	7.0800	0.04000	7.0024	0.36524	0.12778	28	0.21	1%	0
019.41	Calcium, ICP, Dry ash (%)	0074	7.0900	0.04000	7.0024	0.36524	0.12778	28	0.24	1%	0
019.41	Calcium, ICP, Dry ash (%)	0407	7.1084	0.05120	7.0024	0.36524	0.12778	28	0.29	1%	0
019.41	Calcium, ICP, Dry ash (%)	0413	7.1500	0.10000	7.0024	0.36524	0.12778	28	0.40	1%	0
019.41	Calcium, ICP, Dry ash (%)	0003	7.1900	0.44000	7.0024	0.36524	0.12778	28	0.51	1%	0
019.41	Calcium, ICP, Dry ash (%)	0358	7.2400	0.38000	7.0024	0.36524	0.12778	28	0.65	2%	0
019.41	Calcium, ICP, Dry ash (%)	0229	7.3150	0.05200	7.0024	0.36524	0.12778	28	0.86	2%	0
019.41	Calcium, ICP, Dry ash (%)	0619	7.4250	0.09000	7.0024	0.36524	0.12778	28	1.16	3%	0
019.41	Calcium, ICP, Dry ash (%)	0208	7.4730	0.44000	7.0024	0.36524	0.12778	28	1.29	3%	0
019.41	Calcium, ICP, Dry ash (%)	0226	7.4750	0.09000	7.0024	0.36524	0.12778	28	1.29	3%	0
019.41	Calcium, ICP, Dry ash (%)	0139	7.5765	0.00700	7.0024	0.36524	0.12778	28	1.57	4%	0
019.41	Calcium, ICP, Dry ash (%)	0520	7.7600	0.04000	7.0024	0.36524	0.12778	28	2.07	5%	0
019.42	Calcium, ICP, Open vessel (%)	0560	1.0350	0.01000	6.8136	0.68934	0.26980	21	-8.38	42%	0
019.42	Calcium, ICP, Open vessel (%)	0026	1.6750	0.01000	6.8136	0.68934	0.26980	21	-7.45	38%	0
019.42	Calcium, ICP, Open vessel (%)	0357	5.9414	0.04440	6.8136	0.68934	0.26980	21	-1.27	6%	0
019.42	Calcium, ICP, Open vessel (%)	0205	6.0500	0.02000	6.8136	0.68934	0.26980	21	-1.11	6%	0
019.42	Calcium, ICP, Open vessel (%)	2129	6.3900	0.50000	6.8136	0.68934	0.26980	21	-0.61	3%	0
019.42	Calcium, ICP, Open vessel (%)	0870	6.4580	0.09800	6.8136	0.68934	0.26980	21	-0.52	3%	0
019.42	Calcium, ICP, Open vessel (%)	0037	6.6000	0.90000	6.8136	0.68934	0.26980	21	-0.31	2%	0
019.42	Calcium, ICP, Open vessel (%)	0693	6.6201	0.39160	6.8136	0.68934	0.26980	21	-0.28	1%	0
019.42	Calcium, ICP, Open vessel (%)	0278	6.6350	0.55000	6.8136	0.68934	0.26980	21	-0.26	1%	0
019.42	Calcium, ICP, Open vessel (%)	0263	6.6362	0.00090	6.8136	0.68934	0.26980	21	-0.26	1%	0
019.42	Calcium, ICP, Open vessel (%)	0187	6.9650	0.05000	6.8136	0.68934	0.26980	21	0.22	1%	0
019.42	Calcium, ICP, Open vessel (%)	0035	6.9900	0.08000	6.8136	0.68934	0.26980	21	0.26	1%	0
019.42	Calcium, ICP, Open vessel (%)	0042	7.0600	0.02000	6.8136	0.68934	0.26980	21	0.36	2%	0
019.42	Calcium, ICP, Open vessel (%)	0190	7.1000	0.10000	6.8136	0.68934	0.26980	21	0.42	2%	0
019.42	Calcium, ICP, Open vessel (%)	0265	7.1550	1.0700	6.8136	0.68934	0.26980	21	0.50	3%	0
019.42	Calcium, ICP, Open vessel (%)	0186	7.2350	0.11000	6.8136	0.68934	0.26980	21	0.61	3%	0
019.42	Calcium, ICP, Open vessel (%)	0294	7.2400	0.04000	6.8136	0.68934	0.26980	21	0.62	3%	0
019.42	Calcium, ICP, Open vessel (%)	0045	7.2850	0.21000	6.8136	0.68934	0.26980	21	0.68	3%	0
019.42	Calcium, ICP, Open vessel (%)	0366	7.4700	0.66000	6.8136	0.68934	0.26980	21	0.95	5%	0
019.42	Calcium, ICP, Open vessel (%)	0726	7.9605	0.02100	6.8136	0.68934	0.26980	21	1.66	8%	0
019.42	Calcium, ICP, Open vessel (%)	0692	8.6400	0.78000	6.8136	0.68934	0.26980	21	2.65	13%	0
019.43	Calcium, ICP, Microwave (%)	0017	6.1385	0.23700	6.8648	0.47313	0.09208	24	-1.54	5%	0
019.43	Calcium, ICP, Microwave (%)	0089	6.1750	0.01000	6.8648	0.47313	0.09208	24	-1.46	5%	0
019.43	Calcium, ICP, Microwave (%)	0345	6.1750	0.05000	6.8648	0.47313	0.09208	24	-1.46	5%	0
019.43	Calcium, ICP, Microwave (%)	0043	6.3300	0.04000	6.8648	0.47313	0.09208	24	-1.13	4%	0
019.43	Calcium, ICP, Microwave (%)	0202	6.4680	0.01400	6.8648	0.47313	0.09208	24	-0.84	3%	0

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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	
019.43	Calcium, ICP, Microwave (%)	0353	6.5600	0.40000	6.8648	0.47313	0.09208	24	-0.64	2%	0
019.43	Calcium, ICP, Microwave (%)	0036	6.6284	0.08340	6.8648	0.47313	0.09208	24	-0.50	2%	0
019.43	Calcium, ICP, Microwave (%)	0297	6.6300	0.14000	6.8648	0.47313	0.09208	24	-0.50	2%	0
019.43	Calcium, ICP, Microwave (%)	0028	6.6350	0.25000	6.8648	0.47313	0.09208	24	-0.49	2%	0
019.43	Calcium, ICP, Microwave (%)	0629	6.7400	0.00000	6.8648	0.47313	0.09208	24	-0.26	1%	0
019.43	Calcium, ICP, Microwave (%)	0083	6.7950	0.23000	6.8648	0.47313	0.09208	24	-0.15	1%	0
019.43	Calcium, ICP, Microwave (%)	0510	6.8750	0.05000	6.8648	0.47313	0.09208	24	0.02	0%	0
019.43	Calcium, ICP, Microwave (%)	0918	6.8800	0.15200	6.8648	0.47313	0.09208	24	0.03	0%	0
019.43	Calcium, ICP, Microwave (%)	0675	6.9750	0.13000	6.8648	0.47313	0.09208	24	0.23	1%	0
019.43	Calcium, ICP, Microwave (%)	0035	7.0600	0.12000	6.8648	0.47313	0.09208	24	0.41	1%	0
019.43	Calcium, ICP, Microwave (%)	0964	7.1082	0.01040	6.8648	0.47313	0.09208	24	0.51	2%	0
019.43	Calcium, ICP, Microwave (%)	0968	7.2050	0.00000	6.8648	0.47313	0.09208	24	0.72	2%	0
019.43	Calcium, ICP, Microwave (%)	2089	7.2050	0.05000	6.8648	0.47313	0.09208	24	0.72	2%	0
019.43	Calcium, ICP, Microwave (%)	0682	7.2800	0.00000	6.8648	0.47313	0.09208	24	0.88	3%	0
019.43	Calcium, ICP, Microwave (%)	0425	7.3050	0.01000	6.8648	0.47313	0.09208	24	0.93	3%	0
019.43	Calcium, ICP, Microwave (%)	0006	7.3435	0.09300	6.8648	0.47313	0.09208	24	1.01	3%	0
019.43	Calcium, ICP, Microwave (%)	0027	7.3830	0.03200	6.8648	0.47313	0.09208	24	1.10	4%	0
019.43	Calcium, ICP, Microwave (%)	0034	7.4050	0.00800	6.8648	0.47313	0.09208	24	1.14	4%	0
019.43	Calcium, ICP, Microwave (%)	0033	7.4400	0.10000	6.8648	0.47313	0.09208	24	1.22	4%	0
019.43	Calcium, ICP, Microwave (%)	0098	6.4650	0.53000	6.8648	0.47313	0.09208	24	-0.85	3%	1
019.43	Calcium, ICP, Microwave (%)	0861	0.67850	0.00100	6.8648	0.47313	0.09208	24	-13.08	45%	2
019.44	Calcium, ICP, Dry ash (%)	0955	6.4250	0.01000				2			0
019.44	Calcium, ICP, Dry ash (%)	2004	6.8800	0.26000				2			0
019.51	Calcium, ICP-MS, Dry ash (%)	2146	6.8850	0.27000				1			0
019.52	Calcium, ICP-MS, Open vessel (%)	0154	6.3233	0.21570				3			0
019.52	Calcium, ICP-MS, Open vessel (%)	0186	6.7900	0.10000				3			0
019.52	Calcium, ICP-MS, Open vessel (%)	0047	7.2950	0.09000				3			0
019.53	Calcium, ICP-MS, Microwave (%)	0300	6.5050	0.61000				3			0
019.53	Calcium, ICP-MS, Microwave (%)	0572	7.0900	0.06000				3			0
019.53	Calcium, ICP-MS, Microwave (%)	0553	7.8550	0.25000				3			0
019.99	Calcium, Miscellaneous (%)	0676	6.5200	0.04000	6.7859	0.09049	0.07833	6	-2.94	2%	0
019.99	Calcium, Miscellaneous (%)	0590	6.7550	0.13000	6.7859	0.09049	0.07833	6	-0.34	0%	0
019.99	Calcium, Miscellaneous (%)	2145	6.7900	0.00000	6.7859	0.09049	0.07833	6	0.05	0%	0
019.99	Calcium, Miscellaneous (%)	0100	6.7950	0.01000	6.7859	0.09049	0.07833	6	0.10	0%	0
019.99	Calcium, Miscellaneous (%)	2144	6.8450	0.01000	6.7859	0.09049	0.07833	6	0.65	0%	0
019.99	Calcium, Miscellaneous (%)	0242	6.8800	0.28000	6.7859	0.09049	0.07833	6	1.04	1%	0
021.31	Cobalt, AAS, Dry ash (mg / kg (ppm))	0689	10.100	0.40000	11.503	1.1544	0.81000	4			0
021.31	Cobalt, AAS, Dry ash (mg / kg (ppm))	0164	11.050	0.50000	11.503	1.1544	0.81000	4			0
021.31	Cobalt, AAS, Dry ash (mg / kg (ppm))	0208	12.200	2.2000	11.503	1.1544	0.81000	4			0
021.31	Cobalt, AAS, Dry ash (mg / kg (ppm))	0939	12.660	0.14000	11.503	1.1544	0.81000	4			0
021.32	Cobalt, AAS, Open vessel (mg / kg (ppm))	0366	11.400	0.20000				1			0

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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			
021.33	Cobalt, AAS, Microwave (mg / kg (ppm))	2161	9.1000	0.40000				1			0
021.41	Cobalt, ICP, Dry ash (mg / kg (ppm))	0619	5.5400	0.32000	8.8198	2.7975	0.21010	5			0
021.41	Cobalt, ICP, Dry ash (mg / kg (ppm))	0955	6.4350	0.47000	8.8198	2.7975	0.21010	5			0
021.41	Cobalt, ICP, Dry ash (mg / kg (ppm))	0171	9.3750	0.15000	8.8198	2.7975	0.21010	5			0
021.41	Cobalt, ICP, Dry ash (mg / kg (ppm))	0011	10.509	0.11050	8.8198	2.7975	0.21010	5			0
021.41	Cobalt, ICP, Dry ash (mg / kg (ppm))	0148	12.240	0.00000	8.8198	2.7975	0.21010	5			0
021.42	Cobalt, ICP, Open vessel (mg / kg (ppm))	0693	8.7521	0.85310	9.6384	0.98546	0.70262	5			0
021.42	Cobalt, ICP, Open vessel (mg / kg (ppm))	0186	9.0000	0.40000	9.6384	0.98546	0.70262	5			0
021.42	Cobalt, ICP, Open vessel (mg / kg (ppm))	0560	9.2650	1.4500	9.6384	0.98546	0.70262	5			0
021.42	Cobalt, ICP, Open vessel (mg / kg (ppm))	2053	9.9750	0.61000	9.6384	0.98546	0.70262	5			0
021.42	Cobalt, ICP, Open vessel (mg / kg (ppm))	0045	11.200	0.20000	9.6384	0.98546	0.70262	5			0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0675	8.2950	0.07000	10.380	1.4837	0.21327	9	-1.41	10%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0345	8.5850	0.15000	10.380	1.4837	0.21327	9	-1.21	9%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0964	9.8919	0.18440	10.380	1.4837	0.21327	9	-0.33	2%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0169	9.9650	0.03000	10.380	1.4837	0.21327	9	-0.28	2%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0043	10.700	0.20000	10.380	1.4837	0.21327	9	0.22	2%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0038	10.885	0.29000	10.380	1.4837	0.21327	9	0.34	2%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0510	11.530	0.04000	10.380	1.4837	0.21327	9	0.78	6%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0508	11.568	0.95500	10.380	1.4837	0.21327	9	0.80	6%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0021	12.000	0.00000	10.380	1.4837	0.21327	9	1.09	8%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0297	10.710	1.6600	10.380	1.4837	0.21327	9	0.22	2%	1
021.52	Cobalt, ICP-MS, Open vessel (mg / kg (ppm))	0047	7.2100	0.16000				3			0
021.52	Cobalt, ICP-MS, Open vessel (mg / kg (ppm))	0186	10.000	0.14000				3			0
021.52	Cobalt, ICP-MS, Open vessel (mg / kg (ppm))	0910	10.595	1.1700				3			0
021.53	Cobalt, ICP-MS, Microwave (mg / kg (ppm))	0098	10.305	0.17000				3			0
021.53	Cobalt, ICP-MS, Microwave (mg / kg (ppm))	0918	11.087	1.1476				3			0
021.53	Cobalt, ICP-MS, Microwave (mg / kg (ppm))	0553	12.650	0.10000				3			0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0939	446.76	8.8200	474.56	19.491	9.7284	14	-1.43	3%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0849	450.65	17.538	474.56	19.491	9.7284	14	-1.23	3%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0878	451.00	6.0000	474.56	19.491	9.7284	14	-1.21	2%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0529	467.50	3.0000	474.56	19.491	9.7284	14	-0.36	1%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0629	470.00	0.00000	474.56	19.491	9.7284	14	-0.23	0%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0354	471.31	0.73000	474.56	19.491	9.7284	14	-0.17	0%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0038	471.90	4.0000	474.56	19.491	9.7284	14	-0.14	0%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0175	475.00	10.000	474.56	19.491	9.7284	14	0.02	0%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0505	476.50	13.000	474.56	19.491	9.7284	14	0.10	0%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	2022	484.00	8.0000	474.56	19.491	9.7284	14	0.48	1%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0563	489.06	29.510	474.56	19.491	9.7284	14	0.74	2%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0689	492.35	9.3000	474.56	19.491	9.7284	14	0.91	2%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0208	494.00	4.0000	474.56	19.491	9.7284	14	1.00	2%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0001	509.35	22.300	474.56	19.491	9.7284	14	1.78	4%	0

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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	
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0536	119.63	10.250	474.56	19.491	9.7284	14	-18.21	37%	2
022.32	Copper, AAS, Open vessel (mg / kg (ppm))	0035	520.50	35.000				1			0
022.33	Copper, AAS, Microwave (mg / kg (ppm))	2161	445.50	18.400				3			0
022.33	Copper, AAS, Microwave (mg / kg (ppm))	0948	492.01	3.8780				3			0
022.33	Copper, AAS, Microwave (mg / kg (ppm))	0010	506.20	27.000				3			0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0405	226.65	0.39000	466.70	31.544	11.788	25	-7.61	26%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0848	369.61	1.3400	466.70	31.544	11.788	25	-3.08	10%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0695	382.08	2.2370	466.70	31.544	11.788	25	-2.68	9%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	2145	434.30	0.20000	466.70	31.544	11.788	25	-1.03	3%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0619	435.00	6.0000	466.70	31.544	11.788	25	-1.00	3%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0955	447.50	13.000	466.70	31.544	11.788	25	-0.61	2%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0171	448.75	1.5000	466.70	31.544	11.788	25	-0.57	2%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0910	452.50	17.000	466.70	31.544	11.788	25	-0.45	2%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0011	453.25	12.535	466.70	31.544	11.788	25	-0.43	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0148	456.50	0.80000	466.70	31.544	11.788	25	-0.32	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0164	461.50	13.000	466.70	31.544	11.788	25	-0.16	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0407	462.69	2.4976	466.70	31.544	11.788	25	-0.13	0%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0019	465.15	6.7000	466.70	31.544	11.788	25	-0.05	0%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0049	466.54	24.850	466.70	31.544	11.788	25	-0.01	0%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0003	478.00	38.000	466.70	31.544	11.788	25	0.36	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0208	483.20	49.600	466.70	31.544	11.788	25	0.52	2%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0358	486.80	4.3800	466.70	31.544	11.788	25	0.64	2%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0511	489.00	20.000	466.70	31.544	11.788	25	0.71	2%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0520	490.00	12.000	466.70	31.544	11.788	25	0.74	2%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0098	493.70	24.400	466.70	31.544	11.788	25	0.86	3%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	2012	494.24	7.4600	466.70	31.544	11.788	25	0.87	3%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0598	499.95	8.7000	466.70	31.544	11.788	25	1.05	4%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0074	500.00	0.00000	466.70	31.544	11.788	25	1.06	4%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0226	501.00	18.000	466.70	31.544	11.788	25	1.09	4%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0229	509.75	10.100	466.70	31.544	11.788	25	1.36	5%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0560	97.350	0.50000	476.95	20.820	11.005	21	-18.23	40%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0026	446.49	6.8200	476.95	20.820	11.005	21	-1.46	3%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0870	447.05	13.100	476.95	20.820	11.005	21	-1.44	3%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0278	461.35	3.3000	476.95	20.820	11.005	21	-0.75	2%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0357	461.38	5.1580	476.95	20.820	11.005	21	-0.75	2%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0042	463.00	2.0000	476.95	20.820	11.005	21	-0.67	1%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0263	469.75	10.930	476.95	20.820	11.005	21	-0.35	1%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0726	473.55	3.1000	476.95	20.820	11.005	21	-0.16	0%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0045	474.50	9.0000	476.95	20.820	11.005	21	-0.12	0%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0186	477.00	16.000	476.95	20.820	11.005	21	0.00	0%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0693	477.38	36.249	476.95	20.820	11.005	21	0.02	0%	0

Test Material Code # 201728

Method Proficiency Testing Report

Issue Date : 09/30/2017

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	
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0187	480.26	4.4900	476.95	20.820	11.005	21	0.16	0%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0366	483.00	62.000	476.95	20.820	11.005	21	0.29	1%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0205	484.00	2.0000	476.95	20.820	11.005	21	0.34	1%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0035	485.00	2.0000	476.95	20.820	11.005	21	0.39	1%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0190	486.45	1.5000	476.95	20.820	11.005	21	0.46	1%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	2053	487.00	6.0000	476.95	20.820	11.005	21	0.48	1%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0265	497.50	19.000	476.95	20.820	11.005	21	0.99	2%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0294	500.83	0.74000	476.95	20.820	11.005	21	1.15	3%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0413	506.50	27.000	476.95	20.820	11.005	21	1.42	3%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0685	521.65	0.21000	476.95	20.820	11.005	21	2.15	5%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0692	642.50	115.00	476.95	20.820	11.005	21	7.95	17%	1
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0037	0.00000	0.00000	476.95	20.820	11.005	21			4
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0345	412.50	9.0000	479.24	26.913	11.164	25	-2.48	7%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0017	431.10	18.600	479.24	26.913	11.164	25	-1.79	5%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0043	441.50	19.000	479.24	26.913	11.164	25	-1.40	4%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	2089	445.16	9.1300	479.24	26.913	11.164	25	-1.27	4%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0021	450.00	40.000	479.24	26.913	11.164	25	-1.09	3%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0202	459.97	3.7340	479.24	26.913	11.164	25	-0.72	2%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0675	464.32	7.8500	479.24	26.913	11.164	25	-0.55	2%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0968	465.50	1.0000	479.24	26.913	11.164	25	-0.51	1%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0918	473.45	23.230	479.24	26.913	11.164	25	-0.22	1%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0629	475.00	0.00000	479.24	26.913	11.164	25	-0.16	0%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0083	478.50	7.0000	479.24	26.913	11.164	25	-0.03	0%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0098	478.60	31.200	479.24	26.913	11.164	25	-0.02	0%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0035	479.00	2.0000	479.24	26.913	11.164	25	-0.01	0%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0510	481.00	10.000	479.24	26.913	11.164	25	0.07	0%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0508	487.30	14.200	479.24	26.913	11.164	25	0.30	1%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0034	491.55	1.3000	479.24	26.913	11.164	25	0.46	1%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0861	494.00	0.00000	479.24	26.913	11.164	25	0.55	2%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0297	496.00	28.000	479.24	26.913	11.164	25	0.62	2%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0964	496.04	6.5612	479.24	26.913	11.164	25	0.62	2%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0682	502.60	0.00000	479.24	26.913	11.164	25	0.87	2%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0169	503.00	20.000	479.24	26.913	11.164	25	0.88	2%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0425	506.20	1.6000	479.24	26.913	11.164	25	1.00	3%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0038	508.71	4.7900	479.24	26.913	11.164	25	1.09	3%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0027	511.38	5.8980	479.24	26.913	11.164	25	1.19	3%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0353	514.50	15.000	479.24	26.913	11.164	25	1.31	4%	0
022.44	Copper, ICP, Dry ash (mg / kg (ppm))	2004	505.00	20.000				1			0
022.51	Copper, ICP-MS, Dry ash (mg / kg (ppm))	2146	464.15	0.90000				1			0
022.52	Copper, ICP-MS, Open vessel (mg / kg (ppm))	0047	313.00	5.4000				2			0
022.52	Copper, ICP-MS, Open vessel (mg / kg (ppm))	0186	466.00	14.000				2			0

Test Material Code # 201728

Method Proficiency Testing Report

Issue Date : 09/30/2017

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			
022.53	Copper, ICP-MS, Microwave (mg / kg (ppm))	0553	477.50	23.000				3			0
022.53	Copper, ICP-MS, Microwave (mg / kg (ppm))	0021	490.00	0.00000				3			0
022.53	Copper, ICP-MS, Microwave (mg / kg (ppm))	0572	497.50	41.000				3			0
022.99	Copper, Miscellaneous (mg / kg (ppm))	2129	460.70	45.000	480.96	13.973	16.448	5			0
022.99	Copper, Miscellaneous (mg / kg (ppm))	0100	475.50	5.0000	480.96	13.973	16.448	5			0
022.99	Copper, Miscellaneous (mg / kg (ppm))	0242	481.50	17.000	480.96	13.973	16.448	5			0
022.99	Copper, Miscellaneous (mg / kg (ppm))	2144	490.08	3.2400	480.96	13.973	16.448	5			0
022.99	Copper, Miscellaneous (mg / kg (ppm))	0590	497.00	12.000	480.96	13.973	16.448	5			0
024.01	Iodine, Elm-Cald (mg / kg (ppm))	0186	20.000	0.00000				1			0
024.03	Iodine, Ion-selective electrode (mg / kg (ppm))	0171	9.2000	0.02000				1			0
024.52	Iodine, ICP-MS, Open vessel (mg / kg (ppm))	0186	12.500	1.0000				1			0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0849	633.28	3.5500	701.86	54.007	19.186	13	-1.27	5%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0505	635.00	10.000	701.86	54.007	19.186	13	-1.24	5%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0878	657.00	12.000	701.86	54.007	19.186	13	-0.83	3%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0629	668.00	6.0000	701.86	54.007	19.186	13	-0.63	2%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0563	677.93	10.116	701.86	54.007	19.186	13	-0.44	2%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0874	698.00	68.000	701.86	54.007	19.186	13	-0.07	0%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0175	706.00	24.000	701.86	54.007	19.186	13	0.08	0%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	2022	710.00	14.000	701.86	54.007	19.186	13	0.15	1%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0689	714.10	31.800	701.86	54.007	19.186	13	0.23	1%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0939	722.39	47.270	701.86	54.007	19.186	13	0.38	1%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0354	746.47	8.2800	701.86	54.007	19.186	13	0.83	3%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0038	773.20	2.4000	701.86	54.007	19.186	13	1.32	5%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0529	800.25	12.000	701.86	54.007	19.186	13	1.82	7%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0208	866.50	113.00	701.86	54.007	19.186	13	3.05	12%	1
025.32	Iron, AAS, Open vessel (mg / kg (ppm))	0035	701.00	40.000				1			0
025.33	Iron, AAS, Microwave (mg / kg (ppm))	0948	867.94	12.690				1			0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0405	494.49	0.03000	714.95	60.806	33.345	21	-3.63	15%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0619	629.50	9.0000	714.95	60.806	33.345	21	-1.41	6%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0358	642.19	64.420	714.95	60.806	33.345	21	-1.20	5%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0407	643.84	6.5687	714.95	60.806	33.345	21	-1.17	5%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0695	645.46	20.620	714.95	60.806	33.345	21	-1.14	5%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0598	675.35	18.100	714.95	60.806	33.345	21	-0.65	3%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0910	698.00	24.000	714.95	60.806	33.345	21	-0.28	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	2012	704.43	11.610	714.95	60.806	33.345	21	-0.17	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0003	714.00	78.000	714.95	60.806	33.345	21	-0.02	0%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0049	719.95	49.400	714.95	60.806	33.345	21	0.08	0%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0019	726.15	46.500	714.95	60.806	33.345	21	0.18	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0164	737.50	5.0000	714.95	60.806	33.345	21	0.37	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0148	738.00	44.000	714.95	60.806	33.345	21	0.38	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0171	739.90	13.200	714.95	60.806	33.345	21	0.41	2%	0

Test Material Code # 201728

Method Proficiency Testing Report

Issue Date : 09/30/2017

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	
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0098	743.00	4.0000	714.95	60.806	33.345	21	0.46	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	2004	752.00	10.000	714.95	60.806	33.345	21	0.61	3%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0226	753.50	113.00	714.95	60.806	33.345	21	0.63	3%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0511	764.00	104.00	714.95	60.806	33.345	21	0.81	3%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0520	764.00	20.000	714.95	60.806	33.345	21	0.81	3%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0208	793.35	38.300	714.95	60.806	33.345	21	1.29	5%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0229	827.45	20.500	714.95	60.806	33.345	21	1.85	8%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0187	228.67	9.0700	592.65	176.74	54.139	17	-2.06	31%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0186	287.00	40.000	592.65	176.74	54.139	17	-1.73	26%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0278	367.00	30.000	592.65	176.74	54.139	17	-1.28	19%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0037	472.50	59.000	592.65	176.74	54.139	17	-0.68	10%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0560	496.75	0.50000	592.65	176.74	54.139	17	-0.54	8%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	2053	504.00	2.0000	592.65	176.74	54.139	17	-0.50	7%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0265	515.50	55.000	592.65	176.74	54.139	17	-0.44	7%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0294	621.50	5.0000	592.65	176.74	54.139	17	0.16	2%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0045	653.00	32.000	592.65	176.74	54.139	17	0.34	5%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0693	664.15	84.301	592.65	176.74	54.139	17	0.40	6%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0870	669.25	32.700	592.65	176.74	54.139	17	0.43	6%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0413	674.50	31.000	592.65	176.74	54.139	17	0.46	7%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0263	722.33	28.790	592.65	176.74	54.139	17	0.73	11%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0035	734.50	33.000	592.65	176.74	54.139	17	0.80	12%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0692	753.50	223.00	592.65	176.74	54.139	17	0.91	14%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0366	776.00	114.00	592.65	176.74	54.139	17	1.04	15%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0042	795.50	141.00	592.65	176.74	54.139	17	1.15	17%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0682	433.20	0.00000	672.95	79.686	16.787	22	-3.01	18%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2089	508.15	4.8700	672.95	79.686	16.787	22	-2.07	12%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0345	596.00	18.000	672.95	79.686	16.787	22	-0.97	6%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0675	606.21	15.450	672.95	79.686	16.787	22	-0.84	5%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0968	607.50	3.0000	672.95	79.686	16.787	22	-0.82	5%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0353	614.00	6.0000	672.95	79.686	16.787	22	-0.74	4%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0169	620.00	2.0000	672.95	79.686	16.787	22	-0.66	4%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0043	635.50	27.000	672.95	79.686	16.787	22	-0.47	3%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0083	646.00	22.000	672.95	79.686	16.787	22	-0.34	2%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0017	661.84	18.542	672.95	79.686	16.787	22	-0.14	1%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0021	675.00	10.000	672.95	79.686	16.787	22	0.03	0%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0629	675.50	9.0000	672.95	79.686	16.787	22	0.03	0%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0297	687.50	79.000	672.95	79.686	16.787	22	0.18	1%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0425	689.75	5.5000	672.95	79.686	16.787	22	0.21	1%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0098	700.85	17.900	672.95	79.686	16.787	22	0.35	2%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0964	720.01	40.903	672.95	79.686	16.787	22	0.59	3%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0034	730.30	38.200	672.95	79.686	16.787	22	0.72	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	
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0510	747.50	7.0000	672.95	79.686	16.787	22	0.94	6%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0861	754.00	14.000	672.95	79.686	16.787	22	1.02	6%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0918	757.86	8.1800	672.95	79.686	16.787	22	1.07	6%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0038	780.28	11.570	672.95	79.686	16.787	22	1.35	8%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0508	809.80	11.200	672.95	79.686	16.787	22	1.72	10%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0035	709.00	98.000	672.95	79.686	16.787	22	0.45	3%	1
025.52	Iron, ICP-MS, Open vessel (mg / kg (ppm))	0186	270.00	40.000				2			0
025.52	Iron, ICP-MS, Open vessel (mg / kg (ppm))	0154	395.26	73.170				2			0
025.53	Iron, ICP-MS, Microwave (mg / kg (ppm))	0553	750.50	113.00				1			0
025.99	Iron, Miscellaneous (mg / kg (ppm))	0100	635.00	60.000				3			0
025.99	Iron, Miscellaneous (mg / kg (ppm))	0242	674.50	37.000				3			0
025.99	Iron, Miscellaneous (mg / kg (ppm))	0590	748.50	45.000				3			0
027.31	Magnesium, AAS, Dry ash (%)	0354	0.34500	0.01000	0.71373	0.04296	0.01512	17	-8.58	26%	0
027.31	Magnesium, AAS, Dry ash (%)	0536	0.59500	0.01000	0.71373	0.04296	0.01512	17	-2.76	8%	0
027.31	Magnesium, AAS, Dry ash (%)	0939	0.65000	0.00000	0.71373	0.04296	0.01512	17	-1.48	4%	0
027.31	Magnesium, AAS, Dry ash (%)	2022	0.67300	0.01600	0.71373	0.04296	0.01512	17	-0.95	3%	0
027.31	Magnesium, AAS, Dry ash (%)	0629	0.69500	0.01000	0.71373	0.04296	0.01512	17	-0.44	1%	0
027.31	Magnesium, AAS, Dry ash (%)	0038	0.71125	0.01590	0.71373	0.04296	0.01512	17	-0.06	0%	0
027.31	Magnesium, AAS, Dry ash (%)	0563	0.71370	0.02880	0.71373	0.04296	0.01512	17	0.00	0%	0
027.31	Magnesium, AAS, Dry ash (%)	0175	0.72000	0.02000	0.71373	0.04296	0.01512	17	0.15	0%	0
027.31	Magnesium, AAS, Dry ash (%)	0689	0.72000	0.02000	0.71373	0.04296	0.01512	17	0.15	0%	0
027.31	Magnesium, AAS, Dry ash (%)	0505	0.72550	0.02100	0.71373	0.04296	0.01512	17	0.27	1%	0
027.31	Magnesium, AAS, Dry ash (%)	0142	0.73290	0.00900	0.71373	0.04296	0.01512	17	0.45	1%	0
027.31	Magnesium, AAS, Dry ash (%)	0208	0.73300	0.01200	0.71373	0.04296	0.01512	17	0.45	1%	0
027.31	Magnesium, AAS, Dry ash (%)	0874	0.74550	0.02300	0.71373	0.04296	0.01512	17	0.74	2%	0
027.31	Magnesium, AAS, Dry ash (%)	0001	0.74590	0.01340	0.71373	0.04296	0.01512	17	0.75	2%	0
027.31	Magnesium, AAS, Dry ash (%)	0014	0.74900	0.00800	0.71373	0.04296	0.01512	17	0.82	2%	0
027.31	Magnesium, AAS, Dry ash (%)	0878	0.75500	0.01000	0.71373	0.04296	0.01512	17	0.96	3%	0
027.31	Magnesium, AAS, Dry ash (%)	0529	0.76500	0.03000	0.71373	0.04296	0.01512	17	1.19	4%	0
027.32	Magnesium, AAS, Open vessel (%)	0169	0.66100	0.00000				3			0
027.32	Magnesium, AAS, Open vessel (%)	0612	0.73250	0.00500				3			0
027.32	Magnesium, AAS, Open vessel (%)	0035	0.75500	0.01000				3			0
027.33	Magnesium, AAS, Microwave (%)	2161	0.58000	0.00000				2			0
027.33	Magnesium, AAS, Microwave (%)	0948	0.58400	0.00600				2			0
027.41	Magnesium, ICP, Dry ash (%)	0407	0.67550	0.00660	0.72913	0.02782	0.01255	24	-1.93	4%	0
027.41	Magnesium, ICP, Dry ash (%)	0910	0.68000	0.00000	0.72913	0.02782	0.01255	24	-1.77	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0619	0.70350	0.00900	0.72913	0.02782	0.01255	24	-0.92	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0049	0.70500	0.03000	0.72913	0.02782	0.01255	24	-0.87	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0695	0.70950	0.01100	0.72913	0.02782	0.01255	24	-0.71	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0164	0.71400	0.00600	0.72913	0.02782	0.01255	24	-0.54	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0098	0.71500	0.01000	0.72913	0.02782	0.01255	24	-0.51	1%	0

Test Material Code # 201728

Method Proficiency Testing Report

Issue Date : 09/30/2017

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	
027.41	Magnesium, ICP, Dry ash (%)	0598	0.71825	0.01150	0.72913	0.02782	0.01255	24	-0.39	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0003	0.72000	0.02000	0.72913	0.02782	0.01255	24	-0.33	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0511	0.72100	0.00800	0.72913	0.02782	0.01255	24	-0.29	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0011	0.72490	0.03780	0.72913	0.02782	0.01255	24	-0.15	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0405	0.72500	0.01000	0.72913	0.02782	0.01255	24	-0.15	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0413	0.72500	0.03000	0.72913	0.02782	0.01255	24	-0.15	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0171	0.72900	0.00400	0.72913	0.02782	0.01255	24	0.00	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0148	0.73000	0.02000	0.72913	0.02782	0.01255	24	0.03	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0358	0.73000	0.00000	0.72913	0.02782	0.01255	24	0.03	0%	0
027.41	Magnesium, ICP, Dry ash (%)	2145	0.73000	0.00000	0.72913	0.02782	0.01255	24	0.03	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0019	0.73500	0.01000	0.72913	0.02782	0.01255	24	0.21	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0074	0.75200	0.03400	0.72913	0.02782	0.01255	24	0.82	2%	0
027.41	Magnesium, ICP, Dry ash (%)	2012	0.76000	0.00000	0.72913	0.02782	0.01255	24	1.11	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0229	0.76450	0.02500	0.72913	0.02782	0.01255	24	1.27	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0139	0.78315	0.00830	0.72913	0.02782	0.01255	24	1.94	4%	0
027.41	Magnesium, ICP, Dry ash (%)	0226	0.80000	0.00000	0.72913	0.02782	0.01255	24	2.55	5%	0
027.41	Magnesium, ICP, Dry ash (%)	0520	0.81500	0.01000	0.72913	0.02782	0.01255	24	3.09	6%	0
027.41	Magnesium, ICP, Dry ash (%)	0208	0.79250	0.07300	0.72913	0.02782	0.01255	24	2.28	4%	1
027.42	Magnesium, ICP, Open vessel (%)	0037	0.20500	0.01000	0.71207	0.05027	0.02006	20	-10.09	36%	0
027.42	Magnesium, ICP, Open vessel (%)	0560	0.29705	0.00490	0.71207	0.05027	0.02006	20	-8.26	29%	0
027.42	Magnesium, ICP, Open vessel (%)	0870	0.64080	0.03700	0.71207	0.05027	0.02006	20	-1.42	5%	0
027.42	Magnesium, ICP, Open vessel (%)	0026	0.66500	0.01000	0.71207	0.05027	0.02006	20	-0.94	3%	0
027.42	Magnesium, ICP, Open vessel (%)	0278	0.69500	0.05000	0.71207	0.05027	0.02006	20	-0.34	1%	0
027.42	Magnesium, ICP, Open vessel (%)	2129	0.69500	0.03000	0.71207	0.05027	0.02006	20	-0.34	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0263	0.69540	0.00480	0.71207	0.05027	0.02006	20	-0.33	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0693	0.70235	0.04070	0.71207	0.05027	0.02006	20	-0.19	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0186	0.70400	0.02000	0.71207	0.05027	0.02006	20	-0.16	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0357	0.70620	0.01920	0.71207	0.05027	0.02006	20	-0.12	0%	0
027.42	Magnesium, ICP, Open vessel (%)	0035	0.72000	0.02000	0.71207	0.05027	0.02006	20	0.16	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0187	0.72435	0.00070	0.71207	0.05027	0.02006	20	0.24	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0294	0.72500	0.01000	0.71207	0.05027	0.02006	20	0.26	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0045	0.72800	0.00200	0.71207	0.05027	0.02006	20	0.32	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0042	0.73450	0.01100	0.71207	0.05027	0.02006	20	0.45	2%	0
027.42	Magnesium, ICP, Open vessel (%)	0190	0.74000	0.02000	0.71207	0.05027	0.02006	20	0.56	2%	0
027.42	Magnesium, ICP, Open vessel (%)	0685	0.75000	0.00000	0.71207	0.05027	0.02006	20	0.75	3%	0
027.42	Magnesium, ICP, Open vessel (%)	0692	0.77500	0.05000	0.71207	0.05027	0.02006	20	1.25	4%	0
027.42	Magnesium, ICP, Open vessel (%)	0366	0.78000	0.06000	0.71207	0.05027	0.02006	20	1.35	5%	0
027.42	Magnesium, ICP, Open vessel (%)	0726	0.82890	0.00080	0.71207	0.05027	0.02006	20	2.32	8%	0
027.42	Magnesium, ICP, Open vessel (%)	0265	0.80000	0.12000	0.71207	0.05027	0.02006	20	1.75	6%	1
027.43	Magnesium, ICP, Microwave (%)	0038	0.64950	0.03200	0.71419	0.03988	0.01888	24	-1.62	5%	0
027.43	Magnesium, ICP, Microwave (%)	0510	0.66000	0.00000	0.71419	0.03988	0.01888	24	-1.36	4%	0

Test Material Code # 201728

Method Proficiency Testing Report

Issue Date : 09/30/2017

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			
027.43	Magnesium, ICP, Microwave (%)	0017	0.66850	0.04100	0.71419	0.03988	0.01888	24	-1.15	3%	0
027.43	Magnesium, ICP, Microwave (%)	0353	0.67000	0.02000	0.71419	0.03988	0.01888	24	-1.11	3%	0
027.43	Magnesium, ICP, Microwave (%)	0345	0.67050	0.00300	0.71419	0.03988	0.01888	24	-1.10	3%	0
027.43	Magnesium, ICP, Microwave (%)	0098	0.67500	0.05000	0.71419	0.03988	0.01888	24	-0.98	3%	0
027.43	Magnesium, ICP, Microwave (%)	0202	0.68350	0.00500	0.71419	0.03988	0.01888	24	-0.77	2%	0
027.43	Magnesium, ICP, Microwave (%)	0083	0.70000	0.04000	0.71419	0.03988	0.01888	24	-0.36	1%	0
027.43	Magnesium, ICP, Microwave (%)	0043	0.70250	0.00700	0.71419	0.03988	0.01888	24	-0.29	1%	0
027.43	Magnesium, ICP, Microwave (%)	0675	0.70500	0.01000	0.71419	0.03988	0.01888	24	-0.23	1%	0
027.43	Magnesium, ICP, Microwave (%)	0964	0.71105	0.01470	0.71419	0.03988	0.01888	24	-0.08	0%	0
027.43	Magnesium, ICP, Microwave (%)	0035	0.72000	0.00000	0.71419	0.03988	0.01888	24	0.15	0%	0
027.43	Magnesium, ICP, Microwave (%)	0629	0.72000	0.00000	0.71419	0.03988	0.01888	24	0.15	0%	0
027.43	Magnesium, ICP, Microwave (%)	0297	0.73000	0.06000	0.71419	0.03988	0.01888	24	0.40	1%	0
027.43	Magnesium, ICP, Microwave (%)	0006	0.73050	0.00900	0.71419	0.03988	0.01888	24	0.41	1%	0
027.43	Magnesium, ICP, Microwave (%)	2089	0.73500	0.01000	0.71419	0.03988	0.01888	24	0.52	1%	0
027.43	Magnesium, ICP, Microwave (%)	0508	0.73900	0.02000	0.71419	0.03988	0.01888	24	0.62	2%	0
027.43	Magnesium, ICP, Microwave (%)	0861	0.73950	0.02100	0.71419	0.03988	0.01888	24	0.63	2%	0
027.43	Magnesium, ICP, Microwave (%)	0028	0.74000	0.04000	0.71419	0.03988	0.01888	24	0.65	2%	0
027.43	Magnesium, ICP, Microwave (%)	0918	0.74050	0.03700	0.71419	0.03988	0.01888	24	0.66	2%	0
027.43	Magnesium, ICP, Microwave (%)	0968	0.74500	0.00800	0.71419	0.03988	0.01888	24	0.77	2%	0
027.43	Magnesium, ICP, Microwave (%)	0034	0.75655	0.01530	0.71419	0.03988	0.01888	24	1.06	3%	0
027.43	Magnesium, ICP, Microwave (%)	0682	0.77000	0.00000	0.71419	0.03988	0.01888	24	1.40	4%	0
027.43	Magnesium, ICP, Microwave (%)	0425	0.79500	0.01000	0.71419	0.03988	0.01888	24	2.03	6%	0
027.43	Magnesium, ICP, Microwave (%)	0027	7,680.0	21.670	0.71419	0.03988	0.01888	24	192582.67	537627%	2
027.44	Magnesium, ICP, Dry ash (%)	0955	0.69550	0.00300				2			0
027.44	Magnesium, ICP, Dry ash (%)	2004	0.75300	0.02000				2			0
027.51	Magnesium, ICP-MS, Dry ash (%)	2146	0.68500	0.01000				1			0
027.52	Magnesium, ICP-MS, Open vessel (%)	0047	0.65500	0.01000				3			0
027.52	Magnesium, ICP-MS, Open vessel (%)	0154	0.69810	0.00160				3			0
027.52	Magnesium, ICP-MS, Open vessel (%)	0186	0.72450	0.00500				3			0
027.53	Magnesium, ICP-MS, Microwave (%)	0553	0.76950	0.00700				2			0
027.53	Magnesium, ICP-MS, Microwave (%)	0572	0.78400	0.02200				2			0
027.99	Magnesium, Miscellaneous (%)	2144	0.69000	0.00000				3			0
027.99	Magnesium, Miscellaneous (%)	0590	0.76000	0.00000				3			0
027.99	Magnesium, Miscellaneous (%)	0100	0.77000	0.00000				3			0
027.99	Magnesium, Miscellaneous (%)	0242	0.72500	0.01000				3			1
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0878	376.00	6.0000	419.88	29.758	9.0568	14	-1.47	5%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0536	376.90	2.2000	419.88	29.758	9.0568	14	-1.44	5%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0505	380.00	10.000	419.88	29.758	9.0568	14	-1.34	5%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0689	408.25	27.100	419.88	29.758	9.0568	14	-0.39	1%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0175	414.00	16.000	419.88	29.758	9.0568	14	-0.20	1%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0529	420.38	0.75000	419.88	29.758	9.0568	14	0.02	0%	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	
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0038	426.23	1.0500	419.88	29.758	9.0568	14	0.21	1%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0939	430.05	0.05000	419.88	29.758	9.0568	14	0.34	1%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0001	431.85	4.9000	419.88	29.758	9.0568	14	0.40	1%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0563	433.22	19.795	419.88	29.758	9.0568	14	0.45	2%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0629	434.50	1.0000	419.88	29.758	9.0568	14	0.49	2%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0354	443.01	0.05000	419.88	29.758	9.0568	14	0.78	3%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0884	443.45	4.9000	419.88	29.758	9.0568	14	0.79	3%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0208	460.50	33.000	419.88	29.758	9.0568	14	1.37	5%	0
028.32	Manganese, AAS, Open vessel (mg / kg (ppm))	0035	462.00	10.000				1			0
028.33	Manganese, AAS, Microwave (mg / kg (ppm))	2161	348.55	5.1000				2			0
028.33	Manganese, AAS, Microwave (mg / kg (ppm))	0948	386.16	11.685				2			0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0695	240.10	12.850	421.19	38.787	10.735	22	-4.67	21%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0405	283.70	0.60000	421.19	38.787	10.735	22	-3.54	16%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	2145	360.50	21.000	421.19	38.787	10.735	22	-1.56	7%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0407	361.08	1.7134	421.19	38.787	10.735	22	-1.55	7%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0619	371.50	5.0000	421.19	38.787	10.735	22	-1.28	6%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0049	413.39	9.9700	421.19	38.787	10.735	22	-0.20	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0098	423.55	3.7000	421.19	38.787	10.735	22	0.06	0%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0358	424.87	6.8200	421.19	38.787	10.735	22	0.09	0%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0003	425.50	9.0000	421.19	38.787	10.735	22	0.11	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0910	426.00	12.000	421.19	38.787	10.735	22	0.12	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0171	427.40	1.4000	421.19	38.787	10.735	22	0.16	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0148	429.20	6.2000	421.19	38.787	10.735	22	0.21	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0074	432.50	13.000	421.19	38.787	10.735	22	0.29	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	2012	435.91	1.8100	421.19	38.787	10.735	22	0.38	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0164	436.00	12.000	421.19	38.787	10.735	22	0.38	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0520	436.50	1.0000	421.19	38.787	10.735	22	0.39	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0019	437.20	6.0000	421.19	38.787	10.735	22	0.41	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0598	449.40	10.200	421.19	38.787	10.735	22	0.73	3%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0511	456.50	43.000	421.19	38.787	10.735	22	0.91	4%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0208	460.55	34.500	421.19	38.787	10.735	22	1.01	5%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0229	461.60	13.400	421.19	38.787	10.735	22	1.04	5%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0226	466.50	11.000	421.19	38.787	10.735	22	1.17	5%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0011	428.36	56.245	421.19	38.787	10.735	22	0.18	1%	1
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0037	27.000	4.0000	423.59	44.307	18.264	22	-8.95	47%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0560	175.80	5.0000	423.59	44.307	18.264	22	-5.59	29%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0026	366.20	25.000	423.59	44.307	18.264	22	-1.30	7%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0685	378.20	0.82000	423.59	44.307	18.264	22	-1.02	5%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0870	384.75	20.100	423.59	44.307	18.264	22	-0.88	5%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0278	401.00	6.0000	423.59	44.307	18.264	22	-0.51	3%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0693	401.07	23.383	423.59	44.307	18.264	22	-0.51	3%	0

Test Material Code # 201728

Method Proficiency Testing Report

Issue Date : 09/30/2017

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	
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	2053	406.00	6.0000	423.59	44.307	18.264	22	-0.40	2%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0263	407.46	3.2400	423.59	44.307	18.264	22	-0.36	2%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0045	426.50	5.0000	423.59	44.307	18.264	22	0.07	0%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0035	428.50	5.0000	423.59	44.307	18.264	22	0.11	1%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0187	429.02	1.2300	423.59	44.307	18.264	22	0.12	1%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0357	430.14	4.2620	423.59	44.307	18.264	22	0.15	1%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0413	440.50	17.000	423.59	44.307	18.264	22	0.38	2%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0366	448.00	60.000	423.59	44.307	18.264	22	0.55	3%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0042	450.00	50.000	423.59	44.307	18.264	22	0.60	3%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0186	450.00	48.000	423.59	44.307	18.264	22	0.60	3%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0190	455.90	3.8000	423.59	44.307	18.264	22	0.73	4%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0726	456.00	0.20000	423.59	44.307	18.264	22	0.73	4%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0265	475.00	84.000	423.59	44.307	18.264	22	1.16	6%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0692	480.50	29.000	423.59	44.307	18.264	22	1.28	7%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0294	532.21	0.78000	423.59	44.307	18.264	22	2.45	13%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0345	394.00	12.000	430.18	22.914	12.251	25	-1.58	4%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0353	397.00	2.0000	430.18	22.914	12.251	25	-1.45	4%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0510	400.00	8.0000	430.18	22.914	12.251	25	-1.32	4%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0968	403.00	0.00000	430.18	22.914	12.251	25	-1.19	3%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0043	410.00	36.000	430.18	22.914	12.251	25	-0.88	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0017	412.35	1.0900	430.18	22.914	12.251	25	-0.78	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0964	413.48	8.8796	430.18	22.914	12.251	25	-0.73	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0021	415.00	30.000	430.18	22.914	12.251	25	-0.66	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0675	420.27	5.3200	430.18	22.914	12.251	25	-0.43	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0098	422.20	38.000	430.18	22.914	12.251	25	-0.35	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0038	425.58	5.3900	430.18	22.914	12.251	25	-0.20	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0083	433.50	13.000	430.18	22.914	12.251	25	0.15	0%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2089	437.77	0.68000	430.18	22.914	12.251	25	0.33	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0035	438.50	7.0000	430.18	22.914	12.251	25	0.36	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0034	439.30	2.8000	430.18	22.914	12.251	25	0.40	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0861	439.50	9.0000	430.18	22.914	12.251	25	0.41	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0202	443.48	6.4090	430.18	22.914	12.251	25	0.58	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0425	443.95	10.100	430.18	22.914	12.251	25	0.60	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0918	444.36	29.460	430.18	22.914	12.251	25	0.62	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0629	445.00	6.0000	430.18	22.914	12.251	25	0.65	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0682	445.37	0.00000	430.18	22.914	12.251	25	0.66	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0297	446.00	18.000	430.18	22.914	12.251	25	0.69	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0027	457.70	3.2360	430.18	22.914	12.251	25	1.20	3%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0508	460.75	16.900	430.18	22.914	12.251	25	1.33	4%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0169	475.50	37.000	430.18	22.914	12.251	25	1.98	5%	0
028.44	Manganese, ICP, Dry ash (mg / kg (ppm))	2004	446.50	13.000				1			0

Test Material Code # 201728

Method Proficiency Testing Report

Issue Date : 09/30/2017

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			
028.51	Manganese, ICP-MS, Dry ash (mg / kg (ppm))	2146	432.00	17.200				1			0
028.52	Manganese, ICP-MS, Open vessel (mg / kg (ppm))	0047	381.90	8.6000				2			0
028.52	Manganese, ICP-MS, Open vessel (mg / kg (ppm))	0186	446.50	7.0000				2			0
028.53	Manganese, ICP-MS, Microwave (mg / kg (ppm))	0572	456.00	8.0000				2			0
028.53	Manganese, ICP-MS, Microwave (mg / kg (ppm))	0553	459.50	11.000				2			0
028.99	Manganese, Miscellaneous (mg / kg (ppm))	2129	389.60	5.4000	434.07	27.338	8.6000	5			0
028.99	Manganese, Miscellaneous (mg / kg (ppm))	0590	428.00	4.0000	434.07	27.338	8.6000	5			0
028.99	Manganese, Miscellaneous (mg / kg (ppm))	0242	442.50	11.000	434.07	27.338	8.6000	5			0
028.99	Manganese, Miscellaneous (mg / kg (ppm))	2144	452.27	0.60000	434.07	27.338	8.6000	5			0
028.99	Manganese, Miscellaneous (mg / kg (ppm))	0100	458.00	22.000	434.07	27.338	8.6000	5			0
031.00	Phosphorus, Vol (%)	0895	0.62500	0.01000				1			0
031.01	Phosphorus, Photometric (%)	0885	0.58355	0.00050	0.61498	0.02120	0.01840	33	-1.48	3%	0
031.01	Phosphorus, Photometric (%)	0874	0.58455	0.01150	0.61498	0.02120	0.01840	33	-1.44	2%	0
031.01	Phosphorus, Photometric (%)	0689	0.58500	0.01000	0.61498	0.02120	0.01840	33	-1.41	2%	0
031.01	Phosphorus, Photometric (%)	0884	0.58500	0.03000	0.61498	0.02120	0.01840	33	-1.41	2%	0
031.01	Phosphorus, Photometric (%)	2009	0.58940	0.00180	0.61498	0.02120	0.01840	33	-1.21	2%	0
031.01	Phosphorus, Photometric (%)	0233	0.60000	0.02000	0.61498	0.02120	0.01840	33	-0.71	1%	0
031.01	Phosphorus, Photometric (%)	2022	0.60000	0.00000	0.61498	0.02120	0.01840	33	-0.71	1%	0
031.01	Phosphorus, Photometric (%)	0940	0.60000	0.08000	0.61498	0.02120	0.01840	33	-0.71	1%	0
031.01	Phosphorus, Photometric (%)	0038	0.60155	0.02550	0.61498	0.02120	0.01840	33	-0.63	1%	0
031.01	Phosphorus, Photometric (%)	0939	0.60500	0.01000	0.61498	0.02120	0.01840	33	-0.47	1%	0
031.01	Phosphorus, Photometric (%)	0142	0.60665	0.00690	0.61498	0.02120	0.01840	33	-0.39	1%	0
031.01	Phosphorus, Photometric (%)	0354	0.61000	0.00000	0.61498	0.02120	0.01840	33	-0.23	0%	0
031.01	Phosphorus, Photometric (%)	0552	0.61000	0.02000	0.61498	0.02120	0.01840	33	-0.23	0%	0
031.01	Phosphorus, Photometric (%)	0590	0.61000	0.00000	0.61498	0.02120	0.01840	33	-0.23	0%	0
031.01	Phosphorus, Photometric (%)	0563	0.61025	0.01110	0.61498	0.02120	0.01840	33	-0.22	0%	0
031.01	Phosphorus, Photometric (%)	0849	0.61050	0.00100	0.61498	0.02120	0.01840	33	-0.21	0%	0
031.01	Phosphorus, Photometric (%)	0653	0.61300	0.00800	0.61498	0.02120	0.01840	33	-0.09	0%	0
031.01	Phosphorus, Photometric (%)	0897	0.61500	0.01000	0.61498	0.02120	0.01840	33	0.00	0%	0
031.01	Phosphorus, Photometric (%)	0208	0.61950	0.01700	0.61498	0.02120	0.01840	33	0.21	0%	0
031.01	Phosphorus, Photometric (%)	0511	0.62000	0.02000	0.61498	0.02120	0.01840	33	0.24	0%	0
031.01	Phosphorus, Photometric (%)	0674	0.62000	0.00000	0.61498	0.02120	0.01840	33	0.24	0%	0
031.01	Phosphorus, Photometric (%)	0035	0.62500	0.01000	0.61498	0.02120	0.01840	33	0.47	1%	0
031.01	Phosphorus, Photometric (%)	0529	0.62500	0.03000	0.61498	0.02120	0.01840	33	0.47	1%	0
031.01	Phosphorus, Photometric (%)	0687	0.62500	0.05000	0.61498	0.02120	0.01840	33	0.47	1%	0
031.01	Phosphorus, Photometric (%)	0903	0.62500	0.01000	0.61498	0.02120	0.01840	33	0.47	1%	0
031.01	Phosphorus, Photometric (%)	0175	0.63000	0.00000	0.61498	0.02120	0.01840	33	0.71	1%	0
031.01	Phosphorus, Photometric (%)	0878	0.63000	0.00000	0.61498	0.02120	0.01840	33	0.71	1%	0
031.01	Phosphorus, Photometric (%)	2006	0.63250	0.05900	0.61498	0.02120	0.01840	33	0.83	1%	0
031.01	Phosphorus, Photometric (%)	0881	0.63750	0.00500	0.61498	0.02120	0.01840	33	1.06	2%	0
031.01	Phosphorus, Photometric (%)	0108	0.64500	0.07000	0.61498	0.02120	0.01840	33	1.42	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	
031.01	Phosphorus, Photometric (%)	0629	0.65000	0.02000	0.61498	0.02120	0.01840	33	1.65	3%	0
031.01	Phosphorus, Photometric (%)	0948	0.68000	0.04000	0.61498	0.02120	0.01840	33	3.07	5%	0
031.01	Phosphorus, Photometric (%)	2068	0.72500	0.03000	0.61498	0.02120	0.01840	33	5.19	9%	0
031.02	Phosphorus, GQMP (AOAC 935.13-Extraction) (%)	2053	0.62000	0.00000				3			0
031.02	Phosphorus, GQMP (AOAC 935.13-Extraction) (%)	0043	0.62840	0.00040				3			0
031.02	Phosphorus, GQMP (AOAC 935.13-Extraction) (%)	0505	0.63500	0.01000				3			0
031.03	Phosphorus, Autoanalyzer (%)	0169	0.55000	0.00000				3			0
031.03	Phosphorus, Autoanalyzer (%)	0036	0.59975	0.00330				3			0
031.03	Phosphorus, Autoanalyzer (%)	0001	0.61700	0.00400				3			0
031.06	Phosphorus, Hach Method (%)	0536	0.59500	0.01000				1			0
031.41	Phosphorus, ICP, Dry ash (%)	0848	0.47500	0.01000	0.60942	0.04197	0.01137	27	-3.20	11%	0
031.41	Phosphorus, ICP, Dry ash (%)	0910	0.55000	0.02000	0.60942	0.04197	0.01137	27	-1.42	5%	0
031.41	Phosphorus, ICP, Dry ash (%)	0298	0.56000	0.02000	0.60942	0.04197	0.01137	27	-1.18	4%	0
031.41	Phosphorus, ICP, Dry ash (%)	0685	0.57000	0.00000	0.60942	0.04197	0.01137	27	-0.94	3%	0
031.41	Phosphorus, ICP, Dry ash (%)	0123	0.57500	0.03000	0.60942	0.04197	0.01137	27	-0.82	3%	0
031.41	Phosphorus, ICP, Dry ash (%)	0405	0.57900	0.00200	0.60942	0.04197	0.01137	27	-0.72	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0695	0.58350	0.00500	0.60942	0.04197	0.01137	27	-0.62	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0619	0.58600	0.00800	0.60942	0.04197	0.01137	27	-0.56	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0171	0.59000	0.00000	0.60942	0.04197	0.01137	27	-0.46	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0011	0.59090	0.00640	0.60942	0.04197	0.01137	27	-0.44	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0407	0.59480	0.00860	0.60942	0.04197	0.01137	27	-0.35	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0019	0.60500	0.01000	0.60942	0.04197	0.01137	27	-0.11	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0049	0.60500	0.01000	0.60942	0.04197	0.01137	27	-0.11	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0144	0.60500	0.01000	0.60942	0.04197	0.01137	27	-0.11	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0358	0.60500	0.05000	0.60942	0.04197	0.01137	27	-0.11	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0098	0.60775	0.02290	0.60942	0.04197	0.01137	27	-0.04	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0413	0.61500	0.01000	0.60942	0.04197	0.01137	27	0.13	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0148	0.62000	0.00000	0.60942	0.04197	0.01137	27	0.25	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0164	0.62500	0.01000	0.60942	0.04197	0.01137	27	0.37	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0520	0.63000	0.00000	0.60942	0.04197	0.01137	27	0.49	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	2012	0.63000	0.00000	0.60942	0.04197	0.01137	27	0.49	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0229	0.63500	0.00600	0.60942	0.04197	0.01137	27	0.61	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0226	0.66500	0.01000	0.60942	0.04197	0.01137	27	1.32	5%	0
031.41	Phosphorus, ICP, Dry ash (%)	0598	0.66765	0.00110	0.60942	0.04197	0.01137	27	1.39	5%	0
031.41	Phosphorus, ICP, Dry ash (%)	0074	0.66850	0.00700	0.60942	0.04197	0.01137	27	1.41	5%	0
031.41	Phosphorus, ICP, Dry ash (%)	0003	0.68000	0.02000	0.60942	0.04197	0.01137	27	1.68	6%	0
031.41	Phosphorus, ICP, Dry ash (%)	0139	0.69800	0.03000	0.60942	0.04197	0.01137	27	2.11	7%	0
031.41	Phosphorus, ICP, Dry ash (%)	0208	0.67100	0.09200	0.60942	0.04197	0.01137	27	1.47	5%	1
031.42	Phosphorus, ICP, Open vessel (%)	0047	0.49500	0.03000	0.60713	0.05551	0.02992	22	-2.02	9%	0
031.42	Phosphorus, ICP, Open vessel (%)	0278	0.52000	0.00000	0.60713	0.05551	0.02992	22	-1.57	7%	0
031.42	Phosphorus, ICP, Open vessel (%)	0186	0.52700	0.04000	0.60713	0.05551	0.02992	22	-1.44	7%	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	
031.42	Phosphorus, ICP, Open vessel (%)	0870	0.54265	0.01030	0.60713	0.05551	0.02992	22	-1.16	5%	0
031.42	Phosphorus, ICP, Open vessel (%)	0187	0.55440	0.00020	0.60713	0.05551	0.02992	22	-0.95	4%	0
031.42	Phosphorus, ICP, Open vessel (%)	2129	0.56550	0.00300	0.60713	0.05551	0.02992	22	-0.75	3%	0
031.42	Phosphorus, ICP, Open vessel (%)	0026	0.57500	0.05000	0.60713	0.05551	0.02992	22	-0.58	3%	0
031.42	Phosphorus, ICP, Open vessel (%)	0035	0.60000	0.00000	0.60713	0.05551	0.02992	22	-0.13	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0190	0.61000	0.02000	0.60713	0.05551	0.02992	22	0.05	0%	0
031.42	Phosphorus, ICP, Open vessel (%)	0693	0.61390	0.05700	0.60713	0.05551	0.02992	22	0.12	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0042	0.61500	0.12400	0.60713	0.05551	0.02992	22	0.14	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0294	0.61500	0.01000	0.60713	0.05551	0.02992	22	0.14	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0726	0.62625	0.00670	0.60713	0.05551	0.02992	22	0.34	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0205	0.63500	0.03000	0.60713	0.05551	0.02992	22	0.50	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0014	0.63550	0.03100	0.60713	0.05551	0.02992	22	0.51	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0265	0.64000	0.02000	0.60713	0.05551	0.02992	22	0.59	3%	0
031.42	Phosphorus, ICP, Open vessel (%)	0357	0.64025	0.01690	0.60713	0.05551	0.02992	22	0.60	3%	0
031.42	Phosphorus, ICP, Open vessel (%)	0045	0.64450	0.00100	0.60713	0.05551	0.02992	22	0.67	3%	0
031.42	Phosphorus, ICP, Open vessel (%)	0263	0.66105	0.00170	0.60713	0.05551	0.02992	22	0.97	4%	0
031.42	Phosphorus, ICP, Open vessel (%)	0692	0.66500	0.07000	0.60713	0.05551	0.02992	22	1.04	5%	0
031.42	Phosphorus, ICP, Open vessel (%)	0560	0.66810	0.02640	0.60713	0.05551	0.02992	22	1.10	5%	0
031.42	Phosphorus, ICP, Open vessel (%)	0366	0.67500	0.11000	0.60713	0.05551	0.02992	22	1.22	6%	0
031.42	Phosphorus, ICP, Open vessel (%)	0037	3.4000	0.16000	0.60713	0.05551	0.02992	22	50.31	230%	2
031.43	Phosphorus, ICP, Microwave (%)	0017	0.49750	0.02900	0.59867	0.04357	0.01172	27	-2.32	8%	0
031.43	Phosphorus, ICP, Microwave (%)	0682	0.53000	0.00000	0.59867	0.04357	0.01172	27	-1.58	6%	0
031.43	Phosphorus, ICP, Microwave (%)	0006	0.53250	0.00100	0.59867	0.04357	0.01172	27	-1.52	6%	0
031.43	Phosphorus, ICP, Microwave (%)	0043	0.54550	0.00300	0.59867	0.04357	0.01172	27	-1.22	4%	0
031.43	Phosphorus, ICP, Microwave (%)	0035	0.55000	0.02000	0.59867	0.04357	0.01172	27	-1.12	4%	0
031.43	Phosphorus, ICP, Microwave (%)	0089	0.56000	0.00000	0.59867	0.04357	0.01172	27	-0.89	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0202	0.57000	0.00200	0.59867	0.04357	0.01172	27	-0.66	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0027	0.57150	0.01500	0.59867	0.04357	0.01172	27	-0.62	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0038	0.57425	0.01250	0.59867	0.04357	0.01172	27	-0.56	2%	0
031.43	Phosphorus, ICP, Microwave (%)	2089	0.58500	0.01000	0.59867	0.04357	0.01172	27	-0.31	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0968	0.58800	0.00000	0.59867	0.04357	0.01172	27	-0.24	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0510	0.59500	0.03000	0.59867	0.04357	0.01172	27	-0.08	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0675	0.61000	0.02000	0.59867	0.04357	0.01172	27	0.26	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0353	0.61500	0.01000	0.59867	0.04357	0.01172	27	0.37	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0861	0.61500	0.00400	0.59867	0.04357	0.01172	27	0.37	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0034	0.61685	0.01490	0.59867	0.04357	0.01172	27	0.42	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0083	0.62000	0.02000	0.59867	0.04357	0.01172	27	0.49	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0964	0.62255	0.01650	0.59867	0.04357	0.01172	27	0.55	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0036	0.62355	0.00050	0.59867	0.04357	0.01172	27	0.57	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0297	0.62500	0.03000	0.59867	0.04357	0.01172	27	0.60	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0918	0.62500	0.00200	0.59867	0.04357	0.01172	27	0.60	2%	0

Test Material Code # 201728

Method Proficiency Testing Report

Issue Date : 09/30/2017

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	
031.43	Phosphorus, ICP, Microwave (%)	0345	0.62550	0.00900	0.59867	0.04357	0.01172	27	0.62	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0028	0.63000	0.02000	0.59867	0.04357	0.01172	27	0.72	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0629	0.63500	0.01000	0.59867	0.04357	0.01172	27	0.83	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0508	0.64250	0.01700	0.59867	0.04357	0.01172	27	1.01	4%	0
031.43	Phosphorus, ICP, Microwave (%)	0425	0.65500	0.01000	0.59867	0.04357	0.01172	27	1.29	5%	0
031.43	Phosphorus, ICP, Microwave (%)	0033	0.67500	0.01000	0.59867	0.04357	0.01172	27	1.75	6%	0
031.43	Phosphorus, ICP, Microwave (%)	0098	0.62000	0.06020	0.59867	0.04357	0.01172	27	0.49	2%	1
031.44	Phosphorus, ICP, Dry ash (%)	0955	0.61350	0.00300				2			0
031.44	Phosphorus, ICP, Dry ash (%)	2004	0.63750	0.00100				2			0
031.52	Phosphorus, ICP-MS, Open vessel (%)	0186	0.55400	0.00400				2			0
031.52	Phosphorus, ICP-MS, Open vessel (%)	0154	0.57515	0.00810				2			0
031.53	Phosphorus, ICP-MS, Microwave (%)	0300	0.58350	0.00300				3			0
031.53	Phosphorus, ICP-MS, Microwave (%)	0572	0.66150	0.04900				3			0
031.53	Phosphorus, ICP-MS, Microwave (%)	0553	0.67000	0.01800				3			0
031.99	Phosphorus, Miscellaneous (%)	0852	0.50500	0.01000	0.60436	0.04258	0.01286	7	-2.33	8%	0
031.99	Phosphorus, Miscellaneous (%)	0676	0.58000	0.02000	0.60436	0.04258	0.01286	7	-0.57	2%	0
031.99	Phosphorus, Miscellaneous (%)	0100	0.60500	0.01000	0.60436	0.04258	0.01286	7	0.02	0%	0
031.99	Phosphorus, Miscellaneous (%)	2145	0.60500	0.03000	0.60436	0.04258	0.01286	7	0.02	0%	0
031.99	Phosphorus, Miscellaneous (%)	2144	0.61000	0.00000	0.60436	0.04258	0.01286	7	0.13	0%	0
031.99	Phosphorus, Miscellaneous (%)	0242	0.63000	0.02000	0.60436	0.04258	0.01286	7	0.60	2%	0
031.99	Phosphorus, Miscellaneous (%)	2161	0.66000	0.00000	0.60436	0.04258	0.01286	7	1.31	5%	0
032.31	Potassium, AAS, Dry ash (%)	0142	1.6500	0.00010	2.3571	0.12778	0.03599	16	-5.53	15%	0
032.31	Potassium, AAS, Dry ash (%)	0505	2.1700	0.02000	2.3571	0.12778	0.03599	16	-1.46	4%	0
032.31	Potassium, AAS, Dry ash (%)	0354	2.2550	0.01000	2.3571	0.12778	0.03599	16	-0.80	2%	0
032.31	Potassium, AAS, Dry ash (%)	0939	2.2800	0.04000	2.3571	0.12778	0.03599	16	-0.60	2%	0
032.31	Potassium, AAS, Dry ash (%)	0878	2.2950	0.01000	2.3571	0.12778	0.03599	16	-0.49	1%	0
032.31	Potassium, AAS, Dry ash (%)	0175	2.3200	0.08000	2.3571	0.12778	0.03599	16	-0.29	1%	0
032.31	Potassium, AAS, Dry ash (%)	0529	2.3250	0.03000	2.3571	0.12778	0.03599	16	-0.25	1%	0
032.31	Potassium, AAS, Dry ash (%)	0536	2.3400	0.02000	2.3571	0.12778	0.03599	16	-0.13	0%	0
032.31	Potassium, AAS, Dry ash (%)	0014	2.3550	0.03000	2.3571	0.12778	0.03599	16	-0.02	0%	0
032.31	Potassium, AAS, Dry ash (%)	0629	2.3750	0.01000	2.3571	0.12778	0.03599	16	0.14	0%	0
032.31	Potassium, AAS, Dry ash (%)	2022	2.3900	0.04000	2.3571	0.12778	0.03599	16	0.26	1%	0
032.31	Potassium, AAS, Dry ash (%)	0038	2.4315	0.04100	2.3571	0.12778	0.03599	16	0.58	2%	0
032.31	Potassium, AAS, Dry ash (%)	0948	2.4725	0.01900	2.3571	0.12778	0.03599	16	0.90	2%	0
032.31	Potassium, AAS, Dry ash (%)	0874	2.4750	0.13000	2.3571	0.12778	0.03599	16	0.92	3%	0
032.31	Potassium, AAS, Dry ash (%)	2053	2.5150	0.01000	2.3571	0.12778	0.03599	16	1.24	3%	0
032.31	Potassium, AAS, Dry ash (%)	0563	2.5554	0.08580	2.3571	0.12778	0.03599	16	1.55	4%	0
032.31	Potassium, AAS, Dry ash (%)	0208	2.4970	0.19400	2.3571	0.12778	0.03599	16	1.10	3%	1
032.32	Potassium, AAS, Open vessel (%)	0169	2.1550	0.05000				3			0
032.32	Potassium, AAS, Open vessel (%)	0035	2.4900	0.02000				3			0
032.32	Potassium, AAS, Open vessel (%)	0612	2.6650	0.09000				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			
032.33	Potassium, AAS, Microwave (%)	2161	1.3500	0.02000				1			0
032.41	Potassium, ICP, Dry ash (%)	0511	2.1850	0.07000	2.4219	0.11125	0.04104	25	-2.13	5%	0
032.41	Potassium, ICP, Dry ash (%)	0910	2.2350	0.05000	2.4219	0.11125	0.04104	25	-1.68	4%	0
032.41	Potassium, ICP, Dry ash (%)	0619	2.3250	0.13000	2.4219	0.11125	0.04104	25	-0.87	2%	0
032.41	Potassium, ICP, Dry ash (%)	0003	2.3350	0.05000	2.4219	0.11125	0.04104	25	-0.78	2%	0
032.41	Potassium, ICP, Dry ash (%)	0695	2.3350	0.04200	2.4219	0.11125	0.04104	25	-0.78	2%	0
032.41	Potassium, ICP, Dry ash (%)	0164	2.3400	0.02000	2.4219	0.11125	0.04104	25	-0.74	2%	0
032.41	Potassium, ICP, Dry ash (%)	0148	2.3550	0.03000	2.4219	0.11125	0.04104	25	-0.60	1%	0
032.41	Potassium, ICP, Dry ash (%)	0019	2.3600	0.02000	2.4219	0.11125	0.04104	25	-0.56	1%	0
032.41	Potassium, ICP, Dry ash (%)	0144	2.3750	0.09000	2.4219	0.11125	0.04104	25	-0.42	1%	0
032.41	Potassium, ICP, Dry ash (%)	0011	2.3858	0.04770	2.4219	0.11125	0.04104	25	-0.33	1%	0
032.41	Potassium, ICP, Dry ash (%)	0407	2.3877	0.03640	2.4219	0.11125	0.04104	25	-0.31	1%	0
032.41	Potassium, ICP, Dry ash (%)	0098	2.3900	0.02000	2.4219	0.11125	0.04104	25	-0.29	1%	0
032.41	Potassium, ICP, Dry ash (%)	0049	2.3900	0.04000	2.4219	0.11125	0.04104	25	-0.29	1%	0
032.41	Potassium, ICP, Dry ash (%)	0171	2.4200	0.02000	2.4219	0.11125	0.04104	25	-0.02	0%	0
032.41	Potassium, ICP, Dry ash (%)	0208	2.4200	0.01000	2.4219	0.11125	0.04104	25	-0.02	0%	0
032.41	Potassium, ICP, Dry ash (%)	0405	2.4400	0.02000	2.4219	0.11125	0.04104	25	0.16	0%	0
032.41	Potassium, ICP, Dry ash (%)	0413	2.4600	0.06000	2.4219	0.11125	0.04104	25	0.34	1%	0
032.41	Potassium, ICP, Dry ash (%)	2012	2.4600	0.02000	2.4219	0.11125	0.04104	25	0.34	1%	0
032.41	Potassium, ICP, Dry ash (%)	0229	2.4855	0.01900	2.4219	0.11125	0.04104	25	0.57	1%	0
032.41	Potassium, ICP, Dry ash (%)	0358	2.5250	0.13000	2.4219	0.11125	0.04104	25	0.93	2%	0
032.41	Potassium, ICP, Dry ash (%)	0074	2.5400	0.02000	2.4219	0.11125	0.04104	25	1.06	2%	0
032.41	Potassium, ICP, Dry ash (%)	0598	2.5570	0.00800	2.4219	0.11125	0.04104	25	1.21	3%	0
032.41	Potassium, ICP, Dry ash (%)	0226	2.5750	0.01000	2.4219	0.11125	0.04104	25	1.38	3%	0
032.41	Potassium, ICP, Dry ash (%)	0139	2.6035	0.05300	2.4219	0.11125	0.04104	25	1.63	4%	0
032.41	Potassium, ICP, Dry ash (%)	0520	2.6050	0.01000	2.4219	0.11125	0.04104	25	1.65	4%	0
032.42	Potassium, ICP, Open vessel (%)	0037	0.84000	0.02000	2.4086	0.21463	0.07708	22	-7.31	33%	0
032.42	Potassium, ICP, Open vessel (%)	0560	1.0955	0.02530	2.4086	0.21463	0.07708	22	-6.12	27%	0
032.42	Potassium, ICP, Open vessel (%)	0186	2.1250	0.07000	2.4086	0.21463	0.07708	22	-1.32	6%	0
032.42	Potassium, ICP, Open vessel (%)	0870	2.2275	0.02500	2.4086	0.21463	0.07708	22	-0.84	4%	0
032.42	Potassium, ICP, Open vessel (%)	0026	2.2850	0.01000	2.4086	0.21463	0.07708	22	-0.58	3%	0
032.42	Potassium, ICP, Open vessel (%)	0042	2.2850	0.11000	2.4086	0.21463	0.07708	22	-0.58	3%	0
032.42	Potassium, ICP, Open vessel (%)	0693	2.3074	0.17140	2.4086	0.21463	0.07708	22	-0.47	2%	0
032.42	Potassium, ICP, Open vessel (%)	2129	2.3150	0.01000	2.4086	0.21463	0.07708	22	-0.44	2%	0
032.42	Potassium, ICP, Open vessel (%)	0357	2.3585	0.02190	2.4086	0.21463	0.07708	22	-0.23	1%	0
032.42	Potassium, ICP, Open vessel (%)	0278	2.3850	0.03000	2.4086	0.21463	0.07708	22	-0.11	0%	0
032.42	Potassium, ICP, Open vessel (%)	0035	2.3900	0.02000	2.4086	0.21463	0.07708	22	-0.09	0%	0
032.42	Potassium, ICP, Open vessel (%)	0205	2.4050	0.01000	2.4086	0.21463	0.07708	22	-0.02	0%	0
032.42	Potassium, ICP, Open vessel (%)	0047	2.4450	0.23000	2.4086	0.21463	0.07708	22	0.17	1%	0
032.42	Potassium, ICP, Open vessel (%)	0187	2.4790	0.00200	2.4086	0.21463	0.07708	22	0.33	1%	0
032.42	Potassium, ICP, Open vessel (%)	0045	2.4800	0.02000	2.4086	0.21463	0.07708	22	0.33	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	
032.42	Potassium, ICP, Open vessel (%)	0263	2.5060	0.03910	2.4086	0.21463	0.07708	22	0.45	2%	0
032.42	Potassium, ICP, Open vessel (%)	0294	2.5100	0.06000	2.4086	0.21463	0.07708	22	0.47	2%	0
032.42	Potassium, ICP, Open vessel (%)	0726	2.5615	0.01100	2.4086	0.21463	0.07708	22	0.71	3%	0
032.42	Potassium, ICP, Open vessel (%)	0190	2.5900	0.12000	2.4086	0.21463	0.07708	22	0.85	4%	0
032.42	Potassium, ICP, Open vessel (%)	0265	2.7000	0.28000	2.4086	0.21463	0.07708	22	1.36	6%	0
032.42	Potassium, ICP, Open vessel (%)	0692	2.7400	0.16000	2.4086	0.21463	0.07708	22	1.54	7%	0
032.42	Potassium, ICP, Open vessel (%)	0366	3.0350	0.25000	2.4086	0.21463	0.07708	22	2.92	13%	0
032.43	Potassium, ICP, Microwave (%)	0089	1.7300	0.00000	2.3779	0.09417	0.05180	28	-6.88	14%	0
032.43	Potassium, ICP, Microwave (%)	0675	2.2050	0.15000	2.3779	0.09417	0.05180	28	-1.84	4%	0
032.43	Potassium, ICP, Microwave (%)	0017	2.2130	0.09200	2.3779	0.09417	0.05180	28	-1.75	3%	0
032.43	Potassium, ICP, Microwave (%)	0035	2.2400	0.02000	2.3779	0.09417	0.05180	28	-1.46	3%	0
032.43	Potassium, ICP, Microwave (%)	0006	2.2810	0.00800	2.3779	0.09417	0.05180	28	-1.03	2%	0
032.43	Potassium, ICP, Microwave (%)	0043	2.3000	0.00000	2.3779	0.09417	0.05180	28	-0.83	2%	0
032.43	Potassium, ICP, Microwave (%)	0345	2.3250	0.03000	2.3779	0.09417	0.05180	28	-0.56	1%	0
032.43	Potassium, ICP, Microwave (%)	0881	2.3325	0.02700	2.3779	0.09417	0.05180	28	-0.48	1%	0
032.43	Potassium, ICP, Microwave (%)	0353	2.3350	0.07000	2.3779	0.09417	0.05180	28	-0.46	1%	0
032.43	Potassium, ICP, Microwave (%)	0038	2.3400	0.02000	2.3779	0.09417	0.05180	28	-0.40	1%	0
032.43	Potassium, ICP, Microwave (%)	0098	2.3550	0.17000	2.3779	0.09417	0.05180	28	-0.24	0%	0
032.43	Potassium, ICP, Microwave (%)	0034	2.3655	0.10700	2.3779	0.09417	0.05180	28	-0.13	0%	0
032.43	Potassium, ICP, Microwave (%)	0861	2.3900	0.06000	2.3779	0.09417	0.05180	28	0.13	0%	0
032.43	Potassium, ICP, Microwave (%)	0629	2.3900	0.00000	2.3779	0.09417	0.05180	28	0.13	0%	0
032.43	Potassium, ICP, Microwave (%)	0508	2.4020	0.03000	2.3779	0.09417	0.05180	28	0.26	1%	0
032.43	Potassium, ICP, Microwave (%)	0202	2.4035	0.00100	2.3779	0.09417	0.05180	28	0.27	1%	0
032.43	Potassium, ICP, Microwave (%)	0027	2.4075	0.00700	2.3779	0.09417	0.05180	28	0.31	1%	0
032.43	Potassium, ICP, Microwave (%)	0028	2.4100	0.06000	2.3779	0.09417	0.05180	28	0.34	1%	0
032.43	Potassium, ICP, Microwave (%)	0036	2.4136	0.03350	2.3779	0.09417	0.05180	28	0.38	1%	0
032.43	Potassium, ICP, Microwave (%)	0918	2.4160	0.00200	2.3779	0.09417	0.05180	28	0.40	1%	0
032.43	Potassium, ICP, Microwave (%)	0510	2.4250	0.01000	2.3779	0.09417	0.05180	28	0.50	1%	0
032.43	Potassium, ICP, Microwave (%)	0682	2.4300	0.00000	2.3779	0.09417	0.05180	28	0.55	1%	0
032.43	Potassium, ICP, Microwave (%)	0297	2.4400	0.22000	2.3779	0.09417	0.05180	28	0.66	1%	0
032.43	Potassium, ICP, Microwave (%)	0425	2.4750	0.05000	2.3779	0.09417	0.05180	28	1.03	2%	0
032.43	Potassium, ICP, Microwave (%)	2089	2.4900	0.14000	2.3779	0.09417	0.05180	28	1.19	2%	0
032.43	Potassium, ICP, Microwave (%)	0968	2.4945	0.00300	2.3779	0.09417	0.05180	28	1.24	2%	0
032.43	Potassium, ICP, Microwave (%)	0010	2.4950	0.03000	2.3779	0.09417	0.05180	28	1.24	2%	0
032.43	Potassium, ICP, Microwave (%)	0083	2.5150	0.11000	2.3779	0.09417	0.05180	28	1.46	3%	0
032.43	Potassium, ICP, Microwave (%)	0964	2.2919	0.30150	2.3779	0.09417	0.05180	28	-0.91	2%	1
032.44	Potassium, ICP, Dry ash (%)	0955	2.3050	0.01000				2			0
032.44	Potassium, ICP, Dry ash (%)	2004	2.5100	0.06000				2			0
032.51	Potassium, ICP-MS, Dry ash (%)	2146	2.4000	0.08000				1			0
032.52	Potassium, ICP-MS, Open vessel (%)	0154	2.3079	0.02160				2			0
032.52	Potassium, ICP-MS, Open vessel (%)	0186	2.3400	0.00000				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			
032.53	Potassium, ICP-MS, Microwave (%)	0553	2.4700	0.00000				2			0
032.53	Potassium, ICP-MS, Microwave (%)	0572	2.5800	0.02000				2			0
032.99	Potassium, Miscellaneous (%)	0100	2.3100	0.02000				2			0
032.99	Potassium, Miscellaneous (%)	0242	2.3550	0.01000				2			0
033.00	Salt as chloride, Sol Cl (%)	0171	3.4250	0.05000	3.9173	0.12536	0.02591	20	-3.93	6%	0
033.00	Salt as chloride, Sol Cl (%)	0353	3.5200	0.04000	3.9173	0.12536	0.02591	20	-3.17	5%	0
033.00	Salt as chloride, Sol Cl (%)	0675	3.7000	0.02000	3.9173	0.12536	0.02591	20	-1.73	3%	0
033.00	Salt as chloride, Sol Cl (%)	0884	3.8200	0.06000	3.9173	0.12536	0.02591	20	-0.78	1%	0
033.00	Salt as chloride, Sol Cl (%)	0897	3.8550	0.03000	3.9173	0.12536	0.02591	20	-0.50	1%	0
033.00	Salt as chloride, Sol Cl (%)	2068	3.8700	0.00000	3.9173	0.12536	0.02591	20	-0.38	1%	0
033.00	Salt as chloride, Sol Cl (%)	0045	3.8750	0.07000	3.9173	0.12536	0.02591	20	-0.34	1%	0
033.00	Salt as chloride, Sol Cl (%)	0511	3.8750	0.03000	3.9173	0.12536	0.02591	20	-0.34	1%	0
033.00	Salt as chloride, Sol Cl (%)	0881	3.8910	0.00800	3.9173	0.12536	0.02591	20	-0.21	0%	0
033.00	Salt as chloride, Sol Cl (%)	0903	3.9050	0.01000	3.9173	0.12536	0.02591	20	-0.10	0%	0
033.00	Salt as chloride, Sol Cl (%)	2022	3.9265	0.01700	3.9173	0.12536	0.02591	20	0.07	0%	0
033.00	Salt as chloride, Sol Cl (%)	0298	3.9500	0.02000	3.9173	0.12536	0.02591	20	0.26	0%	0
033.00	Salt as chloride, Sol Cl (%)	2009	3.9546	0.00200	3.9173	0.12536	0.02591	20	0.30	0%	0
033.00	Salt as chloride, Sol Cl (%)	0895	3.9750	0.01000	3.9173	0.12536	0.02591	20	0.46	1%	0
033.00	Salt as chloride, Sol Cl (%)	0693	4.0032	0.02900	3.9173	0.12536	0.02591	20	0.69	1%	0
033.00	Salt as chloride, Sol Cl (%)	0539	4.0200	0.00000	3.9173	0.12536	0.02591	20	0.82	1%	0
033.00	Salt as chloride, Sol Cl (%)	0309	4.0274	0.00220	3.9173	0.12536	0.02591	20	0.88	1%	0
033.00	Salt as chloride, Sol Cl (%)	0169	4.0600	0.00000	3.9173	0.12536	0.02591	20	1.14	2%	0
033.00	Salt as chloride, Sol Cl (%)	2146	4.0700	0.02000	3.9173	0.12536	0.02591	20	1.22	2%	0
033.00	Salt as chloride, Sol Cl (%)	0366	4.0800	0.10000	3.9173	0.12536	0.02591	20	1.30	2%	0
033.00	Salt as chloride, Sol Cl (%)	0504	3.8400	0.26000	3.9173	0.12536	0.02591	20	-0.62	1%	1
033.00	Salt as chloride, Sol Cl (%)	0885	0.84230	0.02900	3.9173	0.12536	0.02591	20	-24.53	39%	2
033.01	Salt as chloride, Poten Cl (%)	0619	3.7300	0.02000	3.9980	0.07485	0.04384	31	-3.58	3%	0
033.01	Salt as chloride, Poten Cl (%)	0003	3.8500	0.10000	3.9980	0.07485	0.04384	31	-1.98	2%	0
033.01	Salt as chloride, Poten Cl (%)	0425	3.8500	0.10000	3.9980	0.07485	0.04384	31	-1.98	2%	0
033.01	Salt as chloride, Poten Cl (%)	0011	3.8886	0.00000	3.9980	0.07485	0.04384	31	-1.46	1%	0
033.01	Salt as chloride, Poten Cl (%)	0510	3.9200	0.08000	3.9980	0.07485	0.04384	31	-1.04	1%	0
033.01	Salt as chloride, Poten Cl (%)	0964	3.9240	0.06200	3.9980	0.07485	0.04384	31	-0.99	1%	0
033.01	Salt as chloride, Poten Cl (%)	0083	3.9500	0.06000	3.9980	0.07485	0.04384	31	-0.64	1%	0
033.01	Salt as chloride, Poten Cl (%)	0939	3.9550	0.01000	3.9980	0.07485	0.04384	31	-0.57	1%	0
033.01	Salt as chloride, Poten Cl (%)	0100	3.9700	0.12000	3.9980	0.07485	0.04384	31	-0.37	0%	0
033.01	Salt as chloride, Poten Cl (%)	0164	3.9750	0.05000	3.9980	0.07485	0.04384	31	-0.31	0%	0
033.01	Salt as chloride, Poten Cl (%)	0175	3.9750	0.05000	3.9980	0.07485	0.04384	31	-0.31	0%	0
033.01	Salt as chloride, Poten Cl (%)	0148	3.9825	0.00500	3.9980	0.07485	0.04384	31	-0.21	0%	0
033.01	Salt as chloride, Poten Cl (%)	0001	3.9850	0.07000	3.9980	0.07485	0.04384	31	-0.17	0%	0
033.01	Salt as chloride, Poten Cl (%)	0590	3.9900	0.02000	3.9980	0.07485	0.04384	31	-0.11	0%	0
033.01	Salt as chloride, Poten Cl (%)	0242	3.9950	0.03000	3.9980	0.07485	0.04384	31	-0.04	0%	0

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Method Proficiency Testing Report

Issue Date : 09/30/2017

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	
033.01	Salt as chloride, Poten Cl (%)	0629	3.9950	0.03000	3.9980	0.07485	0.04384	31	-0.04	0%	0
033.01	Salt as chloride, Poten Cl (%)	0098	4.0000	0.06000	3.9980	0.07485	0.04384	31	0.03	0%	0
033.01	Salt as chloride, Poten Cl (%)	0354	4.0050	0.05000	3.9980	0.07485	0.04384	31	0.09	0%	0
033.01	Salt as chloride, Poten Cl (%)	0004	4.0200	0.06000	3.9980	0.07485	0.04384	31	0.29	0%	0
033.01	Salt as chloride, Poten Cl (%)	2146	4.0200	0.08000	3.9980	0.07485	0.04384	31	0.29	0%	0
033.01	Salt as chloride, Poten Cl (%)	0874	4.0250	0.00000	3.9980	0.07485	0.04384	31	0.36	0%	0
033.01	Salt as chloride, Poten Cl (%)	0644	4.0324	0.05510	3.9980	0.07485	0.04384	31	0.46	0%	0
033.01	Salt as chloride, Poten Cl (%)	0861	4.0350	0.01000	3.9980	0.07485	0.04384	31	0.49	0%	0
033.01	Salt as chloride, Poten Cl (%)	0948	4.0350	0.01000	3.9980	0.07485	0.04384	31	0.49	0%	0
033.01	Salt as chloride, Poten Cl (%)	0278	4.0600	0.04000	3.9980	0.07485	0.04384	31	0.83	1%	0
033.01	Salt as chloride, Poten Cl (%)	0407	4.0620	0.00200	3.9980	0.07485	0.04384	31	0.86	1%	0
033.01	Salt as chloride, Poten Cl (%)	0019	4.0700	0.00000	3.9980	0.07485	0.04384	31	0.96	1%	0
033.01	Salt as chloride, Poten Cl (%)	0205	4.0900	0.02000	3.9980	0.07485	0.04384	31	1.23	1%	0
033.01	Salt as chloride, Poten Cl (%)	0229	4.1000	0.16000	3.9980	0.07485	0.04384	31	1.36	1%	0
033.01	Salt as chloride, Poten Cl (%)	0028	4.2600	0.00000	3.9980	0.07485	0.04384	31	3.50	3%	0
033.01	Salt as chloride, Poten Cl (%)	0596	4.5805	0.00500	3.9980	0.07485	0.04384	31	7.78	7%	0
033.01	Salt as chloride, Poten Cl (%)	0226	5.5550	0.21000	3.9980	0.07485	0.04384	31	20.80	19%	2
033.03	Salt as chloride, Quantab (%)	0190	3.7000	0.00000				3			0
033.03	Salt as chloride, Quantab (%)	0505	3.7200	0.06000				3			0
033.03	Salt as chloride, Quantab (%)	0726	4.0200	0.00000				3			0
033.03	Salt as chloride, Quantab (%)	0144	4.0550	0.31000				3			1
033.05	Salt as chloride, Ion Sel Electrode (%)	0878	3.6650	0.01000				3			0
033.05	Salt as chloride, Ion Sel Electrode (%)	0689	3.9000	0.00000				3			0
033.05	Salt as chloride, Ion Sel Electrode (%)	2161	3.9400	0.02000				3			0
033.99	Salt, Miscellaneous (%)	0017	1.8315	0.06900	3.6274	1.0570	0.04878	9	-1.70	25%	0
033.99	Salt, Miscellaneous (%)	0358	2.2150	0.03000	3.6274	1.0570	0.04878	9	-1.34	19%	0
033.99	Salt, Miscellaneous (%)	0552	3.7500	0.00000	3.6274	1.0570	0.04878	9	0.12	2%	0
033.99	Salt, Miscellaneous (%)	0910	3.7600	0.14000	3.6274	1.0570	0.04878	9	0.13	2%	0
033.99	Salt, Miscellaneous (%)	2073	3.9050	0.01000	3.6274	1.0570	0.04878	9	0.26	4%	0
033.99	Salt, Miscellaneous (%)	0208	3.9100	0.14000	3.6274	1.0570	0.04878	9	0.27	4%	0
033.99	Salt, Miscellaneous (%)	2145	4.0000	0.00000	3.6274	1.0570	0.04878	9	0.35	5%	0
033.99	Salt, Miscellaneous (%)	2144	4.0450	0.05000	3.6274	1.0570	0.04878	9	0.40	6%	0
033.99	Salt, Miscellaneous (%)	0682	5.0200	0.00000	3.6274	1.0570	0.04878	9	1.32	19%	0
033.99	Salt, Miscellaneous (%)	0536	2.8100	0.36000	3.6274	1.0570	0.04878	9	-0.77	11%	1
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0939	3.1600	0.24000	4.4340	0.74489	0.12400	5			0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0171	4.4050	0.05000	4.4340	0.74489	0.12400	5			0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0610	4.7600	0.24000	4.4340	0.74489	0.12400	5			0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0164	4.8450	0.05000	4.4340	0.74489	0.12400	5			0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0169	5.0000	0.04000	4.4340	0.74489	0.12400	5			0
034.41	Selenium, ICP, Dry ash (mg / kg (ppm))	0148	2.3000	0.00000				2			0
034.41	Selenium, ICP, Dry ash (mg / kg (ppm))	0619	3.7500	0.30000				2			0

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Method Proficiency Testing Report

Issue Date : 09/30/2017

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			
034.42	Selenium, ICP, Open vessel (mg / kg (ppm))	0692	3.8000	0.00000				1			0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	0675	4.1500	0.12000	5.2783	1.0034	0.28040	4			0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	0964	4.7871	0.20960	5.2783	1.0034	0.28040	4			0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	0508	5.7760	0.59200	5.2783	1.0034	0.28040	4			0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	0036	6.4000	0.20000	5.2783	1.0034	0.28040	4			0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	0021	0.00000	0.00000	5.2783	1.0034	0.28040	4			4
034.52	Selenium, ICP-MS, Open vessel (mg / kg (ppm))	0047	3.1700	0.30000	4.5282	0.82411	0.26240	5			0
034.52	Selenium, ICP-MS, Open vessel (mg / kg (ppm))	0560	4.5360	0.00200	4.5282	0.82411	0.26240	5			0
034.52	Selenium, ICP-MS, Open vessel (mg / kg (ppm))	0910	4.5900	0.26000	4.5282	0.82411	0.26240	5			0
034.52	Selenium, ICP-MS, Open vessel (mg / kg (ppm))	0186	5.0350	0.23000	4.5282	0.82411	0.26240	5			0
034.52	Selenium, ICP-MS, Open vessel (mg / kg (ppm))	0208	5.3100	0.52000	4.5282	0.82411	0.26240	5			0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0021	4.6500	0.10000				3			0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0918	5.0277	0.14400				3			0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0553	5.6350	0.13000				3			0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0098	5.5265	0.84300				3			1
034.99	Selenium, Miscellaneous (mg / kg (ppm))	0190	4.4200	0.02000				1			0
035.01	Sodium, Ion-selective electrode (%)	0689	0.75500	0.01000				3			0
035.01	Sodium, Ion-selective electrode (%)	0878	0.81050	0.00100				3			0
035.01	Sodium, Ion-selective electrode (%)	2006	0.82750	0.00100				3			0
035.02	Sodium, Em Spect (%)	0884	0.76000	0.00000				1			0
035.05	Sodium, Flame Emission (%)	0037	0.50000	0.00000				2			0
035.05	Sodium, Flame Emission (%)	0108	0.89500	0.03000				2			0
035.31	Sodium, AAS, Dry ash (%)	0354	0.69500	0.01000	0.79842	0.05543	0.01357	15	-1.87	6%	0
035.31	Sodium, AAS, Dry ash (%)	2022	0.74050	0.02700	0.79842	0.05543	0.01357	15	-1.04	4%	0
035.31	Sodium, AAS, Dry ash (%)	0629	0.75500	0.01000	0.79842	0.05543	0.01357	15	-0.78	3%	0
035.31	Sodium, AAS, Dry ash (%)	0142	0.75830	0.00140	0.79842	0.05543	0.01357	15	-0.72	3%	0
035.31	Sodium, AAS, Dry ash (%)	0233	0.77000	0.00000	0.79842	0.05543	0.01357	15	-0.51	2%	0
035.31	Sodium, AAS, Dry ash (%)	0175	0.77500	0.01000	0.79842	0.05543	0.01357	15	-0.42	1%	0
035.31	Sodium, AAS, Dry ash (%)	0939	0.77500	0.01000	0.79842	0.05543	0.01357	15	-0.42	1%	0
035.31	Sodium, AAS, Dry ash (%)	0563	0.79560	0.02120	0.79842	0.05543	0.01357	15	-0.05	0%	0
035.31	Sodium, AAS, Dry ash (%)	0878	0.80500	0.03000	0.79842	0.05543	0.01357	15	0.12	0%	0
035.31	Sodium, AAS, Dry ash (%)	0208	0.82350	0.01300	0.79842	0.05543	0.01357	15	0.45	2%	0
035.31	Sodium, AAS, Dry ash (%)	0948	0.82500	0.00000	0.79842	0.05543	0.01357	15	0.48	2%	0
035.31	Sodium, AAS, Dry ash (%)	0505	0.84000	0.01000	0.79842	0.05543	0.01357	15	0.75	3%	0
035.31	Sodium, AAS, Dry ash (%)	0874	0.84100	0.03600	0.79842	0.05543	0.01357	15	0.77	3%	0
035.31	Sodium, AAS, Dry ash (%)	0529	0.87550	0.01500	0.79842	0.05543	0.01357	15	1.39	5%	0
035.31	Sodium, AAS, Dry ash (%)	0536	1.0850	0.01000	0.79842	0.05543	0.01357	15	5.17	18%	0
035.32	Sodium, AAS, Open vessel (%)	0169	0.73500	0.02000				2			0
035.32	Sodium, AAS, Open vessel (%)	0035	0.80500	0.03000				2			0
035.33	Sodium, AAS, Microwave (%)	0300	0.82000	0.06000				2			0
035.33	Sodium, AAS, Microwave (%)	2161	1.0400	0.04000				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	
035.41	Sodium, ICP, Dry ash (%)	0298	0.70000	0.02000	0.81992	0.05814	0.02249	25	-2.06	7%	0
035.41	Sodium, ICP, Dry ash (%)	0695	0.74700	0.03400	0.81992	0.05814	0.02249	25	-1.25	4%	0
035.41	Sodium, ICP, Dry ash (%)	0049	0.75500	0.05000	0.81992	0.05814	0.02249	25	-1.12	4%	0
035.41	Sodium, ICP, Dry ash (%)	0144	0.77000	0.02000	0.81992	0.05814	0.02249	25	-0.86	3%	0
035.41	Sodium, ICP, Dry ash (%)	0910	0.77500	0.03000	0.81992	0.05814	0.02249	25	-0.77	3%	0
035.41	Sodium, ICP, Dry ash (%)	0019	0.78000	0.00000	0.81992	0.05814	0.02249	25	-0.69	2%	0
035.41	Sodium, ICP, Dry ash (%)	0171	0.78000	0.00000	0.81992	0.05814	0.02249	25	-0.69	2%	0
035.41	Sodium, ICP, Dry ash (%)	0619	0.78400	0.01000	0.81992	0.05814	0.02249	25	-0.62	2%	0
035.41	Sodium, ICP, Dry ash (%)	0148	0.78500	0.03000	0.81992	0.05814	0.02249	25	-0.60	2%	0
035.41	Sodium, ICP, Dry ash (%)	0407	0.79425	0.00150	0.81992	0.05814	0.02249	25	-0.44	2%	0
035.41	Sodium, ICP, Dry ash (%)	2012	0.79500	0.03000	0.81992	0.05814	0.02249	25	-0.43	2%	0
035.41	Sodium, ICP, Dry ash (%)	0164	0.81250	0.00900	0.81992	0.05814	0.02249	25	-0.13	0%	0
035.41	Sodium, ICP, Dry ash (%)	0413	0.81500	0.03000	0.81992	0.05814	0.02249	25	-0.08	0%	0
035.41	Sodium, ICP, Dry ash (%)	0598	0.82135	0.02410	0.81992	0.05814	0.02249	25	0.02	0%	0
035.41	Sodium, ICP, Dry ash (%)	0123	0.83000	0.06000	0.81992	0.05814	0.02249	25	0.17	1%	0
035.41	Sodium, ICP, Dry ash (%)	0011	0.83590	0.01820	0.81992	0.05814	0.02249	25	0.27	1%	0
035.41	Sodium, ICP, Dry ash (%)	0520	0.83755	0.00250	0.81992	0.05814	0.02249	25	0.30	1%	0
035.41	Sodium, ICP, Dry ash (%)	0229	0.84200	0.00000	0.81992	0.05814	0.02249	25	0.38	1%	0
035.41	Sodium, ICP, Dry ash (%)	2004	0.84950	0.01900	0.81992	0.05814	0.02249	25	0.51	2%	0
035.41	Sodium, ICP, Dry ash (%)	0358	0.87500	0.01000	0.81992	0.05814	0.02249	25	0.95	3%	0
035.41	Sodium, ICP, Dry ash (%)	0098	0.89000	0.02000	0.81992	0.05814	0.02249	25	1.21	4%	0
035.41	Sodium, ICP, Dry ash (%)	0139	0.89000	0.01400	0.81992	0.05814	0.02249	25	1.21	4%	0
035.41	Sodium, ICP, Dry ash (%)	0405	0.89500	0.01000	0.81992	0.05814	0.02249	25	1.29	5%	0
035.41	Sodium, ICP, Dry ash (%)	0226	0.89900	0.03200	0.81992	0.05814	0.02249	25	1.36	5%	0
035.41	Sodium, ICP, Dry ash (%)	0208	0.94300	0.08800	0.81992	0.05814	0.02249	25	2.12	8%	0
035.42	Sodium, ICP, Open vessel (%)	0560	0.32650	0.00120	0.81447	0.06137	0.03094	17	-7.95	30%	0
035.42	Sodium, ICP, Open vessel (%)	0186	0.70100	0.03200	0.81447	0.06137	0.03094	17	-1.85	7%	0
035.42	Sodium, ICP, Open vessel (%)	0870	0.74585	0.05010	0.81447	0.06137	0.03094	17	-1.12	4%	0
035.42	Sodium, ICP, Open vessel (%)	0042	0.77900	0.03000	0.81447	0.06137	0.03094	17	-0.58	2%	0
035.42	Sodium, ICP, Open vessel (%)	0205	0.79250	0.00700	0.81447	0.06137	0.03094	17	-0.36	1%	0
035.42	Sodium, ICP, Open vessel (%)	0035	0.79500	0.01000	0.81447	0.06137	0.03094	17	-0.32	1%	0
035.42	Sodium, ICP, Open vessel (%)	0693	0.79925	0.04310	0.81447	0.06137	0.03094	17	-0.25	1%	0
035.42	Sodium, ICP, Open vessel (%)	0278	0.80000	0.04000	0.81447	0.06137	0.03094	17	-0.24	1%	0
035.42	Sodium, ICP, Open vessel (%)	0366	0.81500	0.09000	0.81447	0.06137	0.03094	17	0.01	0%	0
035.42	Sodium, ICP, Open vessel (%)	0263	0.82200	0.01440	0.81447	0.06137	0.03094	17	0.12	0%	0
035.42	Sodium, ICP, Open vessel (%)	0045	0.82500	0.01600	0.81447	0.06137	0.03094	17	0.17	1%	0
035.42	Sodium, ICP, Open vessel (%)	0294	0.84000	0.00000	0.81447	0.06137	0.03094	17	0.42	2%	0
035.42	Sodium, ICP, Open vessel (%)	0187	0.85120	0.00020	0.81447	0.06137	0.03094	17	0.60	2%	0
035.42	Sodium, ICP, Open vessel (%)	0190	0.86000	0.02000	0.81447	0.06137	0.03094	17	0.74	3%	0
035.42	Sodium, ICP, Open vessel (%)	0265	0.88000	0.08000	0.81447	0.06137	0.03094	17	1.07	4%	0
035.42	Sodium, ICP, Open vessel (%)	0726	0.89135	0.00190	0.81447	0.06137	0.03094	17	1.25	5%	0

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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	
035.42	Sodium, ICP, Open vessel (%)	0692	0.90500	0.09000	0.81447	0.06137	0.03094	17	1.48	6%	0
035.43	Sodium, ICP, Microwave (%)	0043	0.67400	0.00800	0.78299	0.04563	0.01700	24	-2.39	7%	0
035.43	Sodium, ICP, Microwave (%)	0017	0.72050	0.02700	0.78299	0.04563	0.01700	24	-1.37	4%	0
035.43	Sodium, ICP, Microwave (%)	0964	0.72835	0.05350	0.78299	0.04563	0.01700	24	-1.20	3%	0
035.43	Sodium, ICP, Microwave (%)	0510	0.74150	0.00500	0.78299	0.04563	0.01700	24	-0.91	3%	0
035.43	Sodium, ICP, Microwave (%)	0035	0.74500	0.01000	0.78299	0.04563	0.01700	24	-0.83	2%	0
035.43	Sodium, ICP, Microwave (%)	0038	0.74825	0.01550	0.78299	0.04563	0.01700	24	-0.76	2%	0
035.43	Sodium, ICP, Microwave (%)	0345	0.74950	0.00700	0.78299	0.04563	0.01700	24	-0.73	2%	0
035.43	Sodium, ICP, Microwave (%)	0089	0.75000	0.00000	0.78299	0.04563	0.01700	24	-0.72	2%	0
035.43	Sodium, ICP, Microwave (%)	0629	0.76000	0.00000	0.78299	0.04563	0.01700	24	-0.50	1%	0
035.43	Sodium, ICP, Microwave (%)	0861	0.76600	0.00400	0.78299	0.04563	0.01700	24	-0.37	1%	0
035.43	Sodium, ICP, Microwave (%)	0881	0.77700	0.00800	0.78299	0.04563	0.01700	24	-0.13	0%	0
035.43	Sodium, ICP, Microwave (%)	0006	0.78550	0.00500	0.78299	0.04563	0.01700	24	0.06	0%	0
035.43	Sodium, ICP, Microwave (%)	0034	0.78855	0.01510	0.78299	0.04563	0.01700	24	0.12	0%	0
035.43	Sodium, ICP, Microwave (%)	0083	0.79000	0.02000	0.78299	0.04563	0.01700	24	0.15	0%	0
035.43	Sodium, ICP, Microwave (%)	0675	0.79500	0.03000	0.78299	0.04563	0.01700	24	0.26	1%	0
035.43	Sodium, ICP, Microwave (%)	0098	0.81500	0.03000	0.78299	0.04563	0.01700	24	0.70	2%	0
035.43	Sodium, ICP, Microwave (%)	0353	0.81500	0.03000	0.78299	0.04563	0.01700	24	0.70	2%	0
035.43	Sodium, ICP, Microwave (%)	0202	0.81600	0.00600	0.78299	0.04563	0.01700	24	0.72	2%	0
035.43	Sodium, ICP, Microwave (%)	0508	0.81650	0.00900	0.78299	0.04563	0.01700	24	0.73	2%	0
035.43	Sodium, ICP, Microwave (%)	0918	0.81950	0.00500	0.78299	0.04563	0.01700	24	0.80	2%	0
035.43	Sodium, ICP, Microwave (%)	0682	0.82000	0.00000	0.78299	0.04563	0.01700	24	0.81	2%	0
035.43	Sodium, ICP, Microwave (%)	0297	0.83500	0.07000	0.78299	0.04563	0.01700	24	1.14	3%	0
035.43	Sodium, ICP, Microwave (%)	2089	0.84500	0.03000	0.78299	0.04563	0.01700	24	1.36	4%	0
035.43	Sodium, ICP, Microwave (%)	0425	0.85000	0.02000	0.78299	0.04563	0.01700	24	1.47	4%	0
035.52	Sodium, ICP-MS, Open vessel (%)	0186	0.79200	0.00800				2			0
035.52	Sodium, ICP-MS, Open vessel (%)	0154	0.80930	0.01520				2			0
035.53	Sodium, ICP-MS, Microwave (%)	0572	0.86200	0.05800				2			0
035.53	Sodium, ICP-MS, Microwave (%)	0553	0.91100	0.00200				2			0
035.99	Sodium, Miscellaneous (%)	0242	0.79000	0.02000				3			0
035.99	Sodium, Miscellaneous (%)	0100	0.81000	0.00000				3			0
035.99	Sodium, Miscellaneous (%)	0590	0.84000	0.02000				3			0
036.04	Sulfur, LECO (%)	2053	0.52000	0.00000	0.58375	0.04385	0.01750	4			0
036.04	Sulfur, LECO (%)	0148	0.59500	0.03000	0.58375	0.04385	0.01750	4			0
036.04	Sulfur, LECO (%)	0229	0.60000	0.02000	0.58375	0.04385	0.01750	4			0
036.04	Sulfur, LECO (%)	0226	0.62000	0.02000	0.58375	0.04385	0.01750	4			0
036.42	Sulfur, ICP, Open vessel (%)	0560	0.28965	0.01070	0.62362	0.07770	0.02153	19	-4.30	27%	0
036.42	Sulfur, ICP, Open vessel (%)	0870	0.53415	0.02330	0.62362	0.07770	0.02153	19	-1.15	7%	0
036.42	Sulfur, ICP, Open vessel (%)	0357	0.56785	0.01250	0.62362	0.07770	0.02153	19	-0.72	4%	0
036.42	Sulfur, ICP, Open vessel (%)	0708	0.57000	0.01200	0.62362	0.07770	0.02153	19	-0.69	4%	0
036.42	Sulfur, ICP, Open vessel (%)	0407	0.57100	0.00120	0.62362	0.07770	0.02153	19	-0.68	4%	0

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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	
036.42	Sulfur, ICP, Open vessel (%)	0171	0.58350	0.00700	0.62362	0.07770	0.02153	19	-0.52	3%	0
036.42	Sulfur, ICP, Open vessel (%)	0045	0.58700	0.02600	0.62362	0.07770	0.02153	19	-0.47	3%	0
036.42	Sulfur, ICP, Open vessel (%)	0164	0.59000	0.02000	0.62362	0.07770	0.02153	19	-0.43	3%	0
036.42	Sulfur, ICP, Open vessel (%)	0693	0.59305	0.05050	0.62362	0.07770	0.02153	19	-0.39	2%	0
036.42	Sulfur, ICP, Open vessel (%)	0278	0.59500	0.03000	0.62362	0.07770	0.02153	19	-0.37	2%	0
036.42	Sulfur, ICP, Open vessel (%)	0187	0.61375	0.00010	0.62362	0.07770	0.02153	19	-0.13	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0366	0.64000	0.08000	0.62362	0.07770	0.02153	19	0.21	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0190	0.66000	0.02000	0.62362	0.07770	0.02153	19	0.47	3%	0
036.42	Sulfur, ICP, Open vessel (%)	0726	0.66760	0.00080	0.62362	0.07770	0.02153	19	0.57	4%	0
036.42	Sulfur, ICP, Open vessel (%)	0035	0.67500	0.03000	0.62362	0.07770	0.02153	19	0.66	4%	0
036.42	Sulfur, ICP, Open vessel (%)	0186	0.68350	0.01500	0.62362	0.07770	0.02153	19	0.77	5%	0
036.42	Sulfur, ICP, Open vessel (%)	0294	0.73000	0.00000	0.62362	0.07770	0.02153	19	1.37	9%	0
036.42	Sulfur, ICP, Open vessel (%)	0037	0.78000	0.04000	0.62362	0.07770	0.02153	19	2.01	13%	0
036.42	Sulfur, ICP, Open vessel (%)	0265	0.78500	0.03000	0.62362	0.07770	0.02153	19	2.08	13%	0
036.42	Sulfur, ICP, Open vessel (%)	0692	0.69500	0.11000	0.62362	0.07770	0.02153	19	0.92	6%	1
036.43	Sulfur, ICP, Microwave (%)	2089	0.55000	0.00000	0.62234	0.04668	0.01732	15	-1.55	6%	0
036.43	Sulfur, ICP, Microwave (%)	0038	0.56050	0.00100	0.62234	0.04668	0.01732	15	-1.32	5%	0
036.43	Sulfur, ICP, Microwave (%)	0345	0.58950	0.00300	0.62234	0.04668	0.01732	15	-0.70	3%	0
036.43	Sulfur, ICP, Microwave (%)	0202	0.59450	0.00500	0.62234	0.04668	0.01732	15	-0.60	2%	0
036.43	Sulfur, ICP, Microwave (%)	0964	0.59850	0.05660	0.62234	0.04668	0.01732	15	-0.51	2%	0
036.43	Sulfur, ICP, Microwave (%)	0297	0.60000	0.00000	0.62234	0.04668	0.01732	15	-0.48	2%	0
036.43	Sulfur, ICP, Microwave (%)	0629	0.60950	0.00100	0.62234	0.04668	0.01732	15	-0.28	1%	0
036.43	Sulfur, ICP, Microwave (%)	0035	0.62500	0.03000	0.62234	0.04668	0.01732	15	0.06	0%	0
036.43	Sulfur, ICP, Microwave (%)	0098	0.62790	0.03120	0.62234	0.04668	0.01732	15	0.12	0%	0
036.43	Sulfur, ICP, Microwave (%)	0353	0.63500	0.05000	0.62234	0.04668	0.01732	15	0.27	1%	0
036.43	Sulfur, ICP, Microwave (%)	0918	0.64800	0.00400	0.62234	0.04668	0.01732	15	0.55	2%	0
036.43	Sulfur, ICP, Microwave (%)	0169	0.66000	0.00000	0.62234	0.04668	0.01732	15	0.81	3%	0
036.43	Sulfur, ICP, Microwave (%)	0021	0.67000	0.06000	0.62234	0.04668	0.01732	15	1.02	4%	0
036.43	Sulfur, ICP, Microwave (%)	0508	0.67200	0.01800	0.62234	0.04668	0.01732	15	1.06	4%	0
036.43	Sulfur, ICP, Microwave (%)	0510	0.71000	0.00000	0.62234	0.04668	0.01732	15	1.88	7%	0
036.52	Sulfur, ICP-MS, Open vessel (%)	0186	0.61800	0.01000				2			0
036.52	Sulfur, ICP-MS, Open vessel (%)	0910	5,518.5	467.00				2			0
036.53	Sulfur, ICP-MS, Microwave (%)	0553	0.63600	0.02200				1			0
036.99	Sulfur, Miscellaneous (%)	0242	0.66000	0.00000				1			0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0536	857.63	9.7500	1,245.8	87.182	28.370	16	-4.45	16%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0939	1,172.8	12.110	1,245.8	87.182	28.370	16	-0.84	3%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0563	1,179.7	102.58	1,245.8	87.182	28.370	16	-0.76	3%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0038	1,183.5	3.0000	1,245.8	87.182	28.370	16	-0.71	2%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	2022	1,192.5	15.000	1,245.8	87.182	28.370	16	-0.61	2%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0175	1,200.0	0.00000	1,245.8	87.182	28.370	16	-0.53	2%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0505	1,202.5	35.000	1,245.8	87.182	28.370	16	-0.50	2%	0

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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	
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0629	1,209.5	7.0000	1,245.8	87.182	28.370	16	-0.42	1%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0878	1,241.5	5.0000	1,245.8	87.182	28.370	16	-0.05	0%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0689	1,255.6	61.400	1,245.8	87.182	28.370	16	0.11	0%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0874	1,285.0	30.000	1,245.8	87.182	28.370	16	0.45	2%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0354	1,307.8	4.0900	1,245.8	87.182	28.370	16	0.71	2%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0001	1,314.0	10.000	1,245.8	87.182	28.370	16	0.78	3%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0208	1,320.0	20.000	1,245.8	87.182	28.370	16	0.85	3%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0014	1,389.0	64.000	1,245.8	87.182	28.370	16	1.64	6%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0529	1,587.5	75.000	1,245.8	87.182	28.370	16	3.92	14%	0
037.32	Zinc, AAS, Open vessel (mg / kg (ppm))	0035	1,159.5	21.000				1			0
037.33	Zinc, AAS, Microwave (mg / kg (ppm))	0948	1,063.7	2.3050				3			0
037.33	Zinc, AAS, Microwave (mg / kg (ppm))	0010	1,205.0	10.000				3			0
037.33	Zinc, AAS, Microwave (mg / kg (ppm))	2161	1,327.4	2.0000				3			0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0695	576.89	35.641	1,190.5	70.962	35.091	23	-8.65	26%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0405	802.00	2.0000	1,190.5	70.962	35.091	23	-5.47	16%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0164	1,085.0	10.000	1,190.5	70.962	35.091	23	-1.49	4%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0049	1,119.0	57.090	1,190.5	70.962	35.091	23	-1.01	3%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0848	1,137.5	9.6900	1,190.5	70.962	35.091	23	-0.75	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0619	1,154.5	15.000	1,190.5	70.962	35.091	23	-0.51	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0407	1,156.8	0.76200	1,190.5	70.962	35.091	23	-0.47	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0171	1,161.5	9.0000	1,190.5	70.962	35.091	23	-0.41	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0148	1,163.0	58.100	1,190.5	70.962	35.091	23	-0.39	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0019	1,169.0	48.000	1,190.5	70.962	35.091	23	-0.30	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	2012	1,174.4	11.970	1,190.5	70.962	35.091	23	-0.23	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0226	1,202.0	56.000	1,190.5	70.962	35.091	23	0.16	0%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0520	1,216.0	62.000	1,190.5	70.962	35.091	23	0.36	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0098	1,219.0	22.000	1,190.5	70.962	35.091	23	0.40	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0208	1,219.0	12.000	1,190.5	70.962	35.091	23	0.40	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0910	1,226.0	48.000	1,190.5	70.962	35.091	23	0.50	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	2145	1,234.0	2.0000	1,190.5	70.962	35.091	23	0.61	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0598	1,236.0	16.000	1,190.5	70.962	35.091	23	0.64	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0074	1,240.5	33.000	1,190.5	70.962	35.091	23	0.71	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0358	1,251.1	69.840	1,190.5	70.962	35.091	23	0.85	3%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0511	1,272.5	111.00	1,190.5	70.962	35.091	23	1.16	3%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0229	1,279.0	2.0000	1,190.5	70.962	35.091	23	1.25	4%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0003	1,347.0	116.00	1,190.5	70.962	35.091	23	2.21	7%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0011	1,148.8	235.32	1,190.5	70.962	35.091	23	-0.59	2%	1
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0037	107.50	3.0000	1,161.3	165.24	26.787	20	-6.38	45%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0026	112.60	0.20000	1,161.3	165.24	26.787	20	-6.35	45%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0560	229.60	3.8000	1,161.3	165.24	26.787	20	-5.64	40%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0278	1,081.9	21.800	1,161.3	165.24	26.787	20	-0.48	3%	0

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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	
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0870	1,090.5	13.000	1,161.3	165.24	26.787	20	-0.43	3%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0186	1,094.5	7.0000	1,161.3	165.24	26.787	20	-0.40	3%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0357	1,098.8	13.430	1,161.3	165.24	26.787	20	-0.38	3%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0187	1,117.9	3.2500	1,161.3	165.24	26.787	20	-0.26	2%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0263	1,121.8	3.8800	1,161.3	165.24	26.787	20	-0.24	2%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0045	1,145.0	30.000	1,161.3	165.24	26.787	20	-0.10	1%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	2053	1,169.5	41.000	1,161.3	165.24	26.787	20	0.05	0%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0693	1,174.2	118.44	1,161.3	165.24	26.787	20	0.08	1%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0294	1,181.3	23.940	1,161.3	165.24	26.787	20	0.12	1%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0413	1,235.0	10.000	1,161.3	165.24	26.787	20	0.45	3%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0190	1,259.5	7.0000	1,161.3	165.24	26.787	20	0.59	4%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0726	1,280.5	1.0000	1,161.3	165.24	26.787	20	0.72	5%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0035	1,289.0	0.00000	1,161.3	165.24	26.787	20	0.77	5%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0042	1,337.0	156.00	1,161.3	165.24	26.787	20	1.06	8%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0265	1,400.5	69.000	1,161.3	165.24	26.787	20	1.45	10%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0692	1,445.0	10.000	1,161.3	165.24	26.787	20	1.72	12%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0366	1,235.0	210.00	1,161.3	165.24	26.787	20	0.45	3%	1
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0345	940.00	18.000	1,193.3	94.875	36.871	24	-2.67	11%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0353	1,000.0	6.0000	1,193.3	94.875	36.871	24	-2.04	8%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0202	1,088.9	9.1060	1,193.3	94.875	36.871	24	-1.10	4%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0043	1,090.5	123.00	1,193.3	94.875	36.871	24	-1.08	4%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0017	1,098.6	27.742	1,193.3	94.875	36.871	24	-1.00	4%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0918	1,099.2	51.590	1,193.3	94.875	36.871	24	-0.99	4%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0021	1,150.0	100.00	1,193.3	94.875	36.871	24	-0.46	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0098	1,152.0	64.000	1,193.3	94.875	36.871	24	-0.44	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0510	1,158.0	4.0000	1,193.3	94.875	36.871	24	-0.37	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0968	1,175.0	2.0000	1,193.3	94.875	36.871	24	-0.19	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0629	1,205.0	10.000	1,193.3	94.875	36.871	24	0.12	0%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0861	1,205.0	50.000	1,193.3	94.875	36.871	24	0.12	0%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0508	1,208.0	42.000	1,193.3	94.875	36.871	24	0.15	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2089	1,209.0	0.51300	1,193.3	94.875	36.871	24	0.17	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0083	1,211.0	48.000	1,193.3	94.875	36.871	24	0.19	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0169	1,233.5	49.000	1,193.3	94.875	36.871	24	0.42	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0675	1,238.7	12.090	1,193.3	94.875	36.871	24	0.48	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0425	1,239.5	5.0000	1,193.3	94.875	36.871	24	0.49	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0682	1,245.8	0.00000	1,193.3	94.875	36.871	24	0.55	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0028	1,283.5	125.00	1,193.3	94.875	36.871	24	0.95	4%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0027	1,287.2	36.290	1,193.3	94.875	36.871	24	0.99	4%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0035	1,288.0	32.000	1,193.3	94.875	36.871	24	1.00	4%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0297	1,440.0	30.000	1,193.3	94.875	36.871	24	2.60	10%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0964	1,475.4	39.570	1,193.3	94.875	36.871	24	2.97	12%	0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
037.44	Zinc, ICP, Dry ash (mg / kg (ppm))	0955	1,129.0	18.000				2			0
037.44	Zinc, ICP, Dry ash (mg / kg (ppm))	2004	1,267.2	39.600				2			0
037.51	Zinc, ICP-MS, Dry ash (mg / kg (ppm))	2146	1,101.5	1.1000				1			0
037.52	Zinc, ICP-MS, Open vessel (mg / kg (ppm))	0047	658.90	27.200				2			0
037.52	Zinc, ICP-MS, Open vessel (mg / kg (ppm))	0186	1,128.0	4.0000				2			0
037.53	Zinc, ICP-MS, Microwave (mg / kg (ppm))	0034	1,147.0	4.0000				3			0
037.53	Zinc, ICP-MS, Microwave (mg / kg (ppm))	0572	1,230.0	40.000				3			0
037.53	Zinc, ICP-MS, Microwave (mg / kg (ppm))	0553	1,380.0	80.000				3			0
037.99	Zinc, Miscellaneous (mg / kg (ppm))	2129	1,110.0	50.000	1,183.8	66.436	18.994	5			0
037.99	Zinc, Miscellaneous (mg / kg (ppm))	2144	1,143.9	0.97000	1,183.8	66.436	18.994	5			0
037.99	Zinc, Miscellaneous (mg / kg (ppm))	0242	1,187.0	2.0000	1,183.8	66.436	18.994	5			0
037.99	Zinc, Miscellaneous (mg / kg (ppm))	0590	1,191.5	17.000	1,183.8	66.436	18.994	5			0
037.99	Zinc, Miscellaneous (mg / kg (ppm))	0100	1,286.5	25.000	1,183.8	66.436	18.994	5			0
038.41	Molybdenum, ICP, Dry ash (mg / kg (ppm))	0171	2.6100	0.04000				2			0
038.41	Molybdenum, ICP, Dry ash (mg / kg (ppm))	0226	3.3650	0.13000				2			0
038.42	Molybdenum, ICP, Open vessel (mg / kg (ppm))	0278	2.6450	0.01000	3.1702	0.49253	0.25420	4			0
038.42	Molybdenum, ICP, Open vessel (mg / kg (ppm))	2053	3.0900	0.18000	3.1702	0.49253	0.25420	4			0
038.42	Molybdenum, ICP, Open vessel (mg / kg (ppm))	0693	3.1108	0.13680	3.1702	0.49253	0.25420	4			0
038.42	Molybdenum, ICP, Open vessel (mg / kg (ppm))	0045	3.8350	0.69000	3.1702	0.49253	0.25420	4			0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0345	2.4750	0.01000	3.2310	0.34309	0.11820	8	-2.20	12%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0169	2.9550	0.03000	3.2310	0.34309	0.11820	8	-0.80	4%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0297	3.1150	0.23000	3.2310	0.34309	0.11820	8	-0.34	2%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0353	3.1157	0.34460	3.2310	0.34309	0.11820	8	-0.34	2%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0964	3.4360	0.06100	3.2310	0.34309	0.11820	8	0.60	3%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0508	3.4400	0.25000	3.2310	0.34309	0.11820	8	0.61	3%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0510	3.5000	0.00000	3.2310	0.34309	0.11820	8	0.78	4%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0038	3.5700	0.02000	3.2310	0.34309	0.11820	8	0.99	5%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0021	0.00000	0.00000	3.2310	0.34309	0.11820	8			4
038.52	Molybdenum, ICP-MS, Open vessel (mg / kg (ppm))	0910	2.6950	0.01000				2			0
038.52	Molybdenum, ICP-MS, Open vessel (mg / kg (ppm))	0186	2.7750	0.07000				2			0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	0098	2.8285	0.07700	3.3533	0.46642	0.24063	4			0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	0918	3.1448	0.52550	3.3533	0.46642	0.24063	4			0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	0553	3.5400	0.16000	3.3533	0.46642	0.24063	4			0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	0021	3.9000	0.20000	3.3533	0.46642	0.24063	4			0
040.42	Barium, ICP, Open vessel (mg / kg (ppm))	0560	11.980	0.10000				1			0
040.43	Barium, ICP, Microwave (mg / kg (ppm))	0508	11.955	1.0900				1			0
040.53	Barium, ICP-MS, Microwave (mg / kg (ppm))	0918	10.016	0.00190				1			0
041.43	Vanadium, ICP, Microwave (mg / kg (ppm))	0021	0.00000	0.00000				0			4
041.53	Vanadium, ICP-MS, Microwave (mg / kg (ppm))	0553	1.5350	0.05000				2			0
041.53	Vanadium, ICP-MS, Microwave (mg / kg (ppm))	0021	1.9500	0.10000				2			0
042.00	Chloride, Titrimetric (%)	0948	2.4500	0.00000				2			0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
042.00	Chloride, Titrimetric (%)	0297	2.5550	0.05000				2		0	
042.02	Chloride, Ion Chromatography (%)	0413	2.3200	0.10000				1		0	
101.00	Choline Chloride, Microbiological (mg / kg (ppm))	0227	1,855.0	90.000				2		0	
101.00	Choline Chloride, Microbiological (mg / kg (ppm))	0675	2,212.3	53.750				2		0	
101.01	Choline Chloride, Chem (mg / kg (ppm))	2004	1,780.0	80.000				2		0	
101.01	Choline Chloride, Chem (mg / kg (ppm))	0939	2,021.0	164.00				2		0	
101.02	Choline Chloride, LC (mg / kg (ppm))	0644	941.00	10.000				1		0	
101.99	Choline Chloride, Miscellaneous (mg / kg (ppm))	0904	923.50	39.000				1		0	
102.01	Niacin, Microbiological (mg / kg (ppm))	0227	716.50	15.000				1		0	
102.02	Niacin, LC (mg / kg (ppm))	2022	246.00	34.000				2		0	
102.02	Niacin, LC (mg / kg (ppm))	0027	628.23	116.56				2		0	
102.99	Niacin, Miscellaneous (mg / kg (ppm))	0904	679.57	42.070				1		0	
103.01	Pantothenic Acid, Microbiological (mg / kg (ppm))	0227	9.7200	0.14000				1		0	
103.02	Pantothenic Acid, LC (mg / kg (ppm))	0629	12.700	0.00000				1		0	
104.03	Riboflavin, LC (mg / kg (ppm))	0208	1.5400	0.04000				3		0	
104.03	Riboflavin, LC (mg / kg (ppm))	2161	2.2600	0.22000				3		0	
104.03	Riboflavin, LC (mg / kg (ppm))	0910	2.5400	0.04000				3		0	
104.99	Riboflavin, Miscellaneous (mg / kg (ppm))	0904	2.1050	0.25000				1		0	
105.00	Thiamine, LC (mg / kg (ppm))	0629	18.220	0.06000				2		0	
105.00	Thiamine, LC (mg / kg (ppm))	0910	26.195	5.3100				2		0	
105.01	Thiamine, Fluorometer (mg / kg (ppm))	0227	27.700	0.00000				1		0	
105.99	Thiamine, Miscellaneous (mg / kg (ppm))	0904	28.855	2.4100				1		0	
106.00	Vitamin A, Color (KU / kg)	0171	20.800	0.40000				3		0	
106.00	Vitamin A, Color (KU / kg)	0964	21.771	0.55560				3		0	
106.00	Vitamin A, Color (KU / kg)	0019	23.645	0.67000				3		0	
106.01	Vitamin A, UV (KU / kg)	0098	21.650	1.1000				1		0	
106.02	Vitamin A, LC (KU / kg)	2161	0.64950	0.02900	22.878	6.7073	3.9767	19	-3.31	49%	0
106.02	Vitamin A, LC (KU / kg)	0905	12.812	5.3690	22.878	6.7073	3.9767	19	-1.50	22%	0
106.02	Vitamin A, LC (KU / kg)	0910	16.950	3.5000	22.878	6.7073	3.9767	19	-0.88	13%	0
106.02	Vitamin A, LC (KU / kg)	2053	17.550	5.5000	22.878	6.7073	3.9767	19	-0.79	12%	0
106.02	Vitamin A, LC (KU / kg)	0689	18.800	0.40000	22.878	6.7073	3.9767	19	-0.61	9%	0
106.02	Vitamin A, LC (KU / kg)	0610	18.950	1.9000	22.878	6.7073	3.9767	19	-0.59	9%	0
106.02	Vitamin A, LC (KU / kg)	0028	20.298	3.1300	22.878	6.7073	3.9767	19	-0.38	6%	0
106.02	Vitamin A, LC (KU / kg)	0004	21.095	3.0100	22.878	6.7073	3.9767	19	-0.27	4%	0
106.02	Vitamin A, LC (KU / kg)	0035	21.470	1.7800	22.878	6.7073	3.9767	19	-0.21	3%	0
106.02	Vitamin A, LC (KU / kg)	0038	22.150	6.0800	22.878	6.7073	3.9767	19	-0.11	2%	0
106.02	Vitamin A, LC (KU / kg)	0227	24.450	7.5000	22.878	6.7073	3.9767	19	0.23	3%	0
106.02	Vitamin A, LC (KU / kg)	2103	24.885	0.15000	22.878	6.7073	3.9767	19	0.30	4%	0
106.02	Vitamin A, LC (KU / kg)	0148	25.390	6.1800	22.878	6.7073	3.9767	19	0.37	5%	0
106.02	Vitamin A, LC (KU / kg)	0003	25.560	2.7600	22.878	6.7073	3.9767	19	0.40	6%	0
106.02	Vitamin A, LC (KU / kg)	0027	27.575	7.6500	22.878	6.7073	3.9767	19	0.70	10%	0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
106.02	Vitamin A, LC (KU / kg)	0014	29.000	8.2000	22.878	6.7073	3.9767	19	0.91	13%	0
106.02	Vitamin A, LC (KU / kg)	0676	29.050	0.70000	22.878	6.7073	3.9767	19	0.92	13%	0
106.02	Vitamin A, LC (KU / kg)	0861	35.970	1.8400	22.878	6.7073	3.9767	19	1.95	29%	0
106.02	Vitamin A, LC (KU / kg)	0675	43.810	9.8800	22.878	6.7073	3.9767	19	3.12	46%	0
106.02	Vitamin A, LC (KU / kg)	0017	23,223	6,341.1	22.878	6.7073	3.9767	19	3458.86	50703%	2
106.99	Vitamin A, Miscellaneous (KU / kg)	0904	24.945	0.81000				2			0
106.99	Vitamin A, Miscellaneous (KU / kg)	2144	36.670	0.85000				2			0
107.00	Vitamin B12, Microbiological (µg / kg (ppb))	0227	17.100	1.6000				1			0
108.02	Vitamin D3, LC (KU / kg)	0208	3.4350	0.83000	4.4113	0.87285	0.54750	4			0
108.02	Vitamin D3, LC (KU / kg)	0861	3.9200	1.1200	4.4113	0.87285	0.54750	4			0
108.02	Vitamin D3, LC (KU / kg)	0675	5.0600	0.14000	4.4113	0.87285	0.54750	4			0
108.02	Vitamin D3, LC (KU / kg)	0227	5.2300	0.10000	4.4113	0.87285	0.54750	4			0
108.99	Vitamin D3, Miscellaneous (KU / kg)	0904	3.0350	0.31000				2			0
108.99	Vitamin D3, Miscellaneous (KU / kg)	2004	4.1500	0.08000				2			0
109.02	Vitamin E, LC (IU/kg)	0675	62.005	0.47000	442.76	50.731	26.817	15	-7.51	43%	0
109.02	Vitamin E, LC (IU/kg)	2053	368.00	12.000	442.76	50.731	26.817	15	-1.47	8%	0
109.02	Vitamin E, LC (IU/kg)	0208	401.78	52.843	442.76	50.731	26.817	15	-0.81	5%	0
109.02	Vitamin E, LC (IU/kg)	0955	418.50	17.000	442.76	50.731	26.817	15	-0.48	3%	0
109.02	Vitamin E, LC (IU/kg)	0590	425.00	2.0000	442.76	50.731	26.817	15	-0.35	2%	0
109.02	Vitamin E, LC (IU/kg)	0027	429.79	8.0120	442.76	50.731	26.817	15	-0.26	1%	0
109.02	Vitamin E, LC (IU/kg)	0905	436.50	63.000	442.76	50.731	26.817	15	-0.12	1%	0
109.02	Vitamin E, LC (IU/kg)	2103	437.00	10.000	442.76	50.731	26.817	15	-0.11	1%	0
109.02	Vitamin E, LC (IU/kg)	0610	446.00	60.000	442.76	50.731	26.817	15	0.06	0%	0
109.02	Vitamin E, LC (IU/kg)	0861	455.00	30.000	442.76	50.731	26.817	15	0.24	1%	0
109.02	Vitamin E, LC (IU/kg)	0148	461.20	1.4300	442.76	50.731	26.817	15	0.36	2%	0
109.02	Vitamin E, LC (IU/kg)	0910	482.95	36.900	442.76	50.731	26.817	15	0.79	5%	0
109.02	Vitamin E, LC (IU/kg)	0676	495.70	8.6000	442.76	50.731	26.817	15	1.04	6%	0
109.02	Vitamin E, LC (IU/kg)	0098	498.50	23.000	442.76	50.731	26.817	15	1.10	6%	0
109.02	Vitamin E, LC (IU/kg)	0227	534.50	77.000	442.76	50.731	26.817	15	1.81	10%	0
109.99	Vitamin E, Miscellaneous (IU/kg)	0171	443.50	3.0000				2			0
109.99	Vitamin E, Miscellaneous (IU/kg)	0904	512.58	0.62000				2			0
112.01	Pyridoxine, LC (µg / g)	0227	4.4750	0.05000				1			0
113.01	Folic Acid, Micro (mg / kg (ppm))	0227	1.0400	0.02000				1			0
114.01	Biotin, Microbiological (mg / kg (ppm))	0227	0.32450	0.01500				1			0
115.00	Non Protein N (NPN), Urea + Am, Urease method	0001	1.0230	0.14800				3			0
115.00	Non Protein N (NPN), Urea + Am, Urease method	0033	1.8000	0.00000				3			0
115.00	Non Protein N (NPN), Urea + Am, Urease method	0035	2.1000	0.00000				3			0
115.00	Non Protein N (NPN), Urea + Am, Urease method	0098	9.2550	0.87000				3			2
115.01	Non Protein N (NPN), Automated (%)	2161	5.6265	0.00500				1			0
115.99	Non Protein N (NPN), Miscellaneous (%)	0619	0.59050	0.00500	1.6922	0.77984	0.03935	4			0
115.99	Non Protein N (NPN), Miscellaneous (%)	0027	1.8232	0.10240	1.6922	0.77984	0.03935	4			0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
115.99	Non Protein N (NPN), Miscellaneous (%)	0028	1.9300	0.04000	1.6922	0.77984	0.03935	4			0
115.99	Non Protein N (NPN), Miscellaneous (%)	0629	2.4250	0.01000	1.6922	0.77984	0.03935	4			0
120.00	Alanine, Post-col Ninhydrin Der (%)	0227	0.89000	0.00000	0.95095	0.04061	0.01054	20	-1.50	3%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0870	0.90035	0.00570	0.95095	0.04061	0.01054	20	-1.25	3%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0644	0.92400	0.00200	0.95095	0.04061	0.01054	20	-0.66	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0859	0.92450	0.01300	0.95095	0.04061	0.01054	20	-0.65	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0878	0.92900	0.00400	0.95095	0.04061	0.01054	20	-0.54	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0652	0.93000	0.02000	0.95095	0.04061	0.01054	20	-0.52	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	2059	0.93200	0.00400	0.95095	0.04061	0.01054	20	-0.47	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0684	0.93250	0.02700	0.95095	0.04061	0.01054	20	-0.45	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	2022	0.93500	0.03000	0.95095	0.04061	0.01054	20	-0.39	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0941	0.93600	0.00400	0.95095	0.04061	0.01054	20	-0.37	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0571	0.93900	0.00800	0.95095	0.04061	0.01054	20	-0.29	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0872	0.95250	0.00900	0.95095	0.04061	0.01054	20	0.04	0%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0968	0.95800	0.00000	0.95095	0.04061	0.01054	20	0.17	0%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0910	0.96000	0.00000	0.95095	0.04061	0.01054	20	0.22	0%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0675	0.96500	0.01000	0.95095	0.04061	0.01054	20	0.35	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0354	0.97650	0.03100	0.95095	0.04061	0.01054	20	0.63	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0918	0.99905	0.02110	0.95095	0.04061	0.01054	20	1.18	3%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0955	1.0200	0.02000	0.95095	0.04061	0.01054	20	1.70	4%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0171	1.0410	0.00200	0.95095	0.04061	0.01054	20	2.22	5%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0619	1.0500	0.00000	0.95095	0.04061	0.01054	20	2.44	5%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0504	0.95000	0.06000	0.95095	0.04061	0.01054	20	-0.02	0%	1
120.01	Alanine, Pre-col OPA Der (%)	0297	0.81500	0.00400				1			0
120.02	Alanine, Post-col OPA Der (%)	0098	0.94000	0.02000				1			0
120.05	Alanine, Pre-col AQC Der (%)	0148	0.83900	0.07000				2			0
120.05	Alanine, Pre-col AQC Der (%)	0676	0.87750	0.01500				2			0
120.99	Alanine, Miscellaneous (%)	0226	0.85500	0.01000				2			0
120.99	Alanine, Miscellaneous (%)	2161	2.0340	0.09400				2			0
121.00	Arginine, Post-col Ninhydrin Der (%)	2022	1.2600	0.06000	1.3554	0.04626	0.02147	19	-2.06	4%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0859	1.3080	0.00200	1.3554	0.04626	0.02147	19	-1.02	2%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0941	1.3210	0.05200	1.3554	0.04626	0.02147	19	-0.74	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0684	1.3265	0.01900	1.3554	0.04626	0.02147	19	-0.62	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0652	1.3300	0.00000	1.3554	0.04626	0.02147	19	-0.55	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0878	1.3300	0.00000	1.3554	0.04626	0.02147	19	-0.55	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0870	1.3347	0.01600	1.3554	0.04626	0.02147	19	-0.45	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0872	1.3430	0.02000	1.3554	0.04626	0.02147	19	-0.27	0%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0644	1.3445	0.00300	1.3554	0.04626	0.02147	19	-0.24	0%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	2059	1.3445	0.00300	1.3554	0.04626	0.02147	19	-0.24	0%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0504	1.3450	0.05000	1.3554	0.04626	0.02147	19	-0.22	0%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0910	1.3450	0.01000	1.3554	0.04626	0.02147	19	-0.22	0%	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	
121.00	Arginine, Post-col Ninhydrin Der (%)	0227	1.3550	0.01000	1.3554	0.04626	0.02147	19	-0.01	0%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0968	1.3655	0.00500	1.3554	0.04626	0.02147	19	0.22	0%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0571	1.3940	0.05400	1.3554	0.04626	0.02147	19	0.83	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0354	1.4055	0.04500	1.3554	0.04626	0.02147	19	1.08	2%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0675	1.4650	0.03000	1.3554	0.04626	0.02147	19	2.37	4%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0171	1.4855	0.00900	1.3554	0.04626	0.02147	19	2.81	5%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0619	1.5000	0.02000	1.3554	0.04626	0.02147	19	3.13	5%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0918	1.4461	0.11690	1.3554	0.04626	0.02147	19	1.96	3%	1
121.01	Arginine, Pre-col OPA Der (%)	0297	1.3075	0.00900				1			0
121.02	Arginine, Post-col OPA Der (%)	0098	1.3180	0.01200				1			0
121.05	Arginine, Pre-col AQC Der (%)	0148	1.2490	0.08200				2			0
121.05	Arginine, Pre-col AQC Der (%)	0676	1.3650	0.01000				2			0
121.99	Arginine, Miscellaneous (%)	0226	1.4650	0.03000				2			0
121.99	Arginine, Miscellaneous (%)	2161	2.4855	0.40900				2			0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0644	1.8425	0.01100	1.9075	0.04547	0.03930	21	-1.43	2%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	2059	1.8490	0.01200	1.9075	0.04547	0.03930	21	-1.29	2%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0859	1.8570	0.01800	1.9075	0.04547	0.03930	21	-1.11	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0941	1.8620	0.01800	1.9075	0.04547	0.03930	21	-1.00	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0968	1.8725	0.00300	1.9075	0.04547	0.03930	21	-0.77	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0504	1.8750	0.11000	1.9075	0.04547	0.03930	21	-0.72	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0571	1.8890	0.00000	1.9075	0.04547	0.03930	21	-0.41	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0870	1.8987	0.02730	1.9075	0.04547	0.03930	21	-0.20	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0227	1.9000	0.04000	1.9075	0.04547	0.03930	21	-0.17	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0878	1.9005	0.02300	1.9075	0.04547	0.03930	21	-0.15	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0684	1.9015	0.06300	1.9075	0.04547	0.03930	21	-0.13	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0652	1.9100	0.02000	1.9075	0.04547	0.03930	21	0.05	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0675	1.9150	0.01000	1.9075	0.04547	0.03930	21	0.16	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0872	1.9175	0.03700	1.9075	0.04547	0.03930	21	0.22	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	2022	1.9250	0.07000	1.9075	0.04547	0.03930	21	0.38	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0910	1.9350	0.13000	1.9075	0.04547	0.03930	21	0.60	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0354	1.9380	0.05800	1.9075	0.04547	0.03930	21	0.67	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0918	1.9484	0.09810	1.9075	0.04547	0.03930	21	0.90	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0955	1.9700	0.06000	1.9075	0.04547	0.03930	21	1.37	2%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0171	2.0865	0.00700	1.9075	0.04547	0.03930	21	3.94	5%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0619	2.1050	0.01000	1.9075	0.04547	0.03930	21	4.34	5%	0
122.01	Aspartic, Pre-col OPA Der (%)	0297	1.8070	0.01200				1			0
122.02	Aspartic, Post-col OPA Der (%)	0098	1.9020	0.00800				1			0
122.05	Aspartic, Pre-col AQC Der (%)	0676	1.7895	0.12100				2			0
122.05	Aspartic, Pre-col AQC Der (%)	0148	1.8605	0.09500				2			0
122.99	Aspartic, Miscellaneous (%)	2161	0.92800	0.04000				2			0
122.99	Aspartic, Miscellaneous (%)	0226	1.8650	0.01000				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	
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0941	0.24800	0.01600	0.35485	0.02026	0.00716	21	-5.27	15%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0870	0.31370	0.00140	0.35485	0.02026	0.00716	21	-2.03	6%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0878	0.32600	0.00200	0.35485	0.02026	0.00716	21	-1.42	4%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0652	0.34000	0.00000	0.35485	0.02026	0.00716	21	-0.73	2%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0644	0.34250	0.00300	0.35485	0.02026	0.00716	21	-0.61	2%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0675	0.34500	0.01000	0.35485	0.02026	0.00716	21	-0.49	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0872	0.34550	0.00900	0.35485	0.02026	0.00716	21	-0.46	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0227	0.35000	0.00000	0.35485	0.02026	0.00716	21	-0.24	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0684	0.35050	0.00300	0.35485	0.02026	0.00716	21	-0.21	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0968	0.35150	0.00100	0.35485	0.02026	0.00716	21	-0.17	0%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0354	0.35500	0.02400	0.35485	0.02026	0.00716	21	0.01	0%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	2059	0.35800	0.00200	0.35485	0.02026	0.00716	21	0.16	0%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0910	0.36000	0.02000	0.35485	0.02026	0.00716	21	0.25	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	2022	0.36000	0.00000	0.35485	0.02026	0.00716	21	0.25	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0504	0.36500	0.03000	0.35485	0.02026	0.00716	21	0.50	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0918	0.36595	0.00690	0.35485	0.02026	0.00716	21	0.55	2%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0955	0.36900	0.00000	0.35485	0.02026	0.00716	21	0.70	2%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0171	0.37150	0.00700	0.35485	0.02026	0.00716	21	0.82	2%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0571	0.37700	0.00200	0.35485	0.02026	0.00716	21	1.09	3%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0859	0.38600	0.00400	0.35485	0.02026	0.00716	21	1.54	4%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0619	0.43150	0.00900	0.35485	0.02026	0.00716	21	3.78	11%	0
124.01	Cysteine/Cystine, PAO Pre-col OPA Der (%)	0297	0.31550	0.02100				1			0
124.02	Cysteine/Cystine, PAO Post-col OPA Der (%)	0098	0.34450	0.00300				1			0
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0148	0.34200	0.06400				2			0
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0676	0.34700	0.02800				2			0
124.99	Cysteine/Cystine, Miscellaneous (%)	0226	0.30500	0.01000				2			0
124.99	Cysteine/Cystine, Miscellaneous (%)	2144	0.38500	0.01000				2			0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0171	3.3460	0.00800	3.6061	0.13202	0.07472	21	-1.97	4%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0941	3.3690	0.16400	3.6061	0.13202	0.07472	21	-1.80	3%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0870	3.4545	0.19670	3.6061	0.13202	0.07472	21	-1.15	2%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0859	3.5035	0.02500	3.6061	0.13202	0.07472	21	-0.78	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0644	3.5130	0.00800	3.6061	0.13202	0.07472	21	-0.70	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0504	3.5350	0.27000	3.6061	0.13202	0.07472	21	-0.54	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	2022	3.5400	0.20000	3.6061	0.13202	0.07472	21	-0.50	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	2059	3.5620	0.03400	3.6061	0.13202	0.07472	21	-0.33	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0652	3.5800	0.04000	3.6061	0.13202	0.07472	21	-0.20	0%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0227	3.5850	0.05000	3.6061	0.13202	0.07472	21	-0.16	0%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0968	3.5915	0.00100	3.6061	0.13202	0.07472	21	-0.11	0%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0571	3.6140	0.01200	3.6061	0.13202	0.07472	21	0.06	0%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0878	3.6355	0.03100	3.6061	0.13202	0.07472	21	0.22	0%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0684	3.6510	0.01000	3.6061	0.13202	0.07472	21	0.34	1%	0

Test Material Code # 201728

Method Proficiency Testing Report

Issue Date : 09/30/2017

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	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0872	3.6600	0.05200	3.6061	0.13202	0.07472	21	0.41	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0910	3.6900	0.08000	3.6061	0.13202	0.07472	21	0.64	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0918	3.7110	0.13150	3.6061	0.13202	0.07472	21	0.79	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0354	3.7220	0.16600	3.6061	0.13202	0.07472	21	0.88	2%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0675	3.7550	0.03000	3.6061	0.13202	0.07472	21	1.13	2%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0955	3.8250	0.05000	3.6061	0.13202	0.07472	21	1.66	3%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0619	4.1650	0.01000	3.6061	0.13202	0.07472	21	4.23	8%	0
125.01	Glutamic, Pre-col OPA Der (%)	0297	3.6140	0.08200				1			0
125.02	Glutamic, Post-col OPA Der (%)	0098	3.6230	0.04400				1			0
125.05	Glutamic, Pre-col AQC Der (%)	0676	3.4890	0.15200				2			0
125.05	Glutamic, Pre-col AQC Der (%)	0148	3.4915	0.23700				2			0
125.99	Glutamic, Miscellaneous (%)	0226	3.4100	0.02000				2			0
125.99	Glutamic, Miscellaneous (%)	2161	3.8860	0.51200				2			0
126.00	Glycine, Post-col Ninhydrin Der (%)	2022	0.92500	0.05000	0.96322	0.02162	0.01336	20	-1.77	2%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0684	0.94050	0.02500	0.96322	0.02162	0.01336	20	-1.05	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0859	0.94350	0.00300	0.96322	0.02162	0.01336	20	-0.91	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0652	0.94500	0.01000	0.96322	0.02162	0.01336	20	-0.84	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0870	0.94590	0.01520	0.96322	0.02162	0.01336	20	-0.80	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0872	0.94850	0.00500	0.96322	0.02162	0.01336	20	-0.68	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0227	0.95500	0.01000	0.96322	0.02162	0.01336	20	-0.38	0%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0941	0.95500	0.01000	0.96322	0.02162	0.01336	20	-0.38	0%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0644	0.95850	0.00500	0.96322	0.02162	0.01336	20	-0.22	0%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	2059	0.95900	0.00200	0.96322	0.02162	0.01336	20	-0.20	0%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0910	0.96000	0.04000	0.96322	0.02162	0.01336	20	-0.15	0%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0878	0.96100	0.00400	0.96322	0.02162	0.01336	20	-0.10	0%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0918	0.96835	0.02790	0.96322	0.02162	0.01336	20	0.24	0%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0968	0.97250	0.00500	0.96322	0.02162	0.01336	20	0.43	0%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0675	0.97500	0.01000	0.96322	0.02162	0.01336	20	0.54	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0571	0.97550	0.00700	0.96322	0.02162	0.01336	20	0.57	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0171	0.98600	0.00200	0.96322	0.02162	0.01336	20	1.05	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0354	0.99300	0.00600	0.96322	0.02162	0.01336	20	1.38	2%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0955	1.0200	0.02000	0.96322	0.02162	0.01336	20	2.63	3%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0619	1.1050	0.01000	0.96322	0.02162	0.01336	20	6.56	7%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0504	1.0050	0.09000	0.96322	0.02162	0.01336	20	1.93	2%	1
126.01	Glycine, Pre-col OPA Der (%)	0297	0.92500	0.00600				1			0
126.02	Glycine, Post-col OPA Der (%)	0098	0.95500	0.02000				1			0
126.05	Glycine, Pre-col AQC Der (%)	0676	0.91950	0.04100				2			0
126.05	Glycine, Pre-col AQC Der (%)	0148	0.94800	0.11600				2			0
126.99	Glycine, Miscellaneous (%)	0226	0.85500	0.01000				2			0
126.99	Glycine, Miscellaneous (%)	2161	1.8040	0.08600				2			0
127.00	Histidine, Post-col Ninhydrin Der (%)	0859	0.46650	0.00700	0.49941	0.01502	0.00719	19	-2.19	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	
127.00	Histidine, Post-col Ninhydrin Der (%)	2059	0.48250	0.00100	0.49941	0.01502	0.00719	19	-1.13	2%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0968	0.48400	0.00600	0.49941	0.01502	0.00719	19	-1.03	2%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0878	0.48600	0.00800	0.49941	0.01502	0.00719	19	-0.89	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0571	0.48850	0.00500	0.49941	0.01502	0.00719	19	-0.73	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0918	0.48995	0.00390	0.49941	0.01502	0.00719	19	-0.63	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0354	0.49350	0.00900	0.49941	0.01502	0.00719	19	-0.39	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	2022	0.49500	0.01000	0.49941	0.01502	0.00719	19	-0.29	0%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0644	0.49650	0.00100	0.49941	0.01502	0.00719	19	-0.19	0%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0870	0.49855	0.01670	0.49941	0.01502	0.00719	19	-0.06	0%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0684	0.49900	0.00400	0.49941	0.01502	0.00719	19	-0.03	0%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0227	0.50500	0.01000	0.49941	0.01502	0.00719	19	0.37	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0652	0.50500	0.01000	0.49941	0.01502	0.00719	19	0.37	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0872	0.50600	0.00800	0.49941	0.01502	0.00719	19	0.44	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0910	0.51000	0.02000	0.49941	0.01502	0.00719	19	0.71	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0941	0.51350	0.00100	0.49941	0.01502	0.00719	19	0.94	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0675	0.51500	0.01000	0.49941	0.01502	0.00719	19	1.04	2%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0171	0.54250	0.00300	0.49941	0.01502	0.00719	19	2.87	4%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0619	0.59850	0.00300	0.49941	0.01502	0.00719	19	6.60	10%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0504	0.53500	0.05000	0.49941	0.01502	0.00719	19	2.37	4%	1
127.01	Histidine, Pre-col OPA Der (%)	0297	0.43050	0.00900				1			0
127.02	Histidine, Post-col OPA Der (%)	0098	0.47700	0.00200				1			0
127.05	Histidine, Pre-col AQC Der (%)	0148	0.45750	0.03900				2			0
127.05	Histidine, Pre-col AQC Der (%)	0676	0.47500	0.01000				2			0
127.99	Histidine, Miscellaneous (%)	0226	0.39000	0.00000				2			0
127.99	Histidine, Miscellaneous (%)	2161	1.1735	0.02500				2			0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0684	0.73450	0.07300	0.81024	0.04910	0.01967	21	-1.54	5%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0870	0.73895	0.04150	0.81024	0.04910	0.01967	21	-1.45	4%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0859	0.74350	0.01300	0.81024	0.04910	0.01967	21	-1.36	4%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0652	0.77000	0.02000	0.81024	0.04910	0.01967	21	-0.82	2%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0941	0.78600	0.02400	0.81024	0.04910	0.01967	21	-0.49	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0968	0.78900	0.00200	0.81024	0.04910	0.01967	21	-0.43	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0878	0.79200	0.00400	0.81024	0.04910	0.01967	21	-0.37	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	2059	0.79400	0.00600	0.81024	0.04910	0.01967	21	-0.33	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0872	0.80150	0.01100	0.81024	0.04910	0.01967	21	-0.18	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0354	0.80300	0.02400	0.81024	0.04910	0.01967	21	-0.15	0%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0227	0.81500	0.01000	0.81024	0.04910	0.01967	21	0.10	0%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0918	0.81875	0.03450	0.81024	0.04910	0.01967	21	0.17	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0644	0.81900	0.00600	0.81024	0.04910	0.01967	21	0.18	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0571	0.81950	0.01100	0.81024	0.04910	0.01967	21	0.19	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0910	0.82500	0.01000	0.81024	0.04910	0.01967	21	0.30	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	2022	0.82500	0.03000	0.81024	0.04910	0.01967	21	0.30	1%	0

Test Material Code # 201728

Method Proficiency Testing Report

Issue Date : 09/30/2017

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	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0955	0.84150	0.00500	0.81024	0.04910	0.01967	21	0.64	2%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0675	0.84500	0.01000	0.81024	0.04910	0.01967	21	0.71	2%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0504	0.89000	0.04000	0.81024	0.04910	0.01967	21	1.62	5%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0171	0.89500	0.01000	0.81024	0.04910	0.01967	21	1.73	5%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0619	0.90900	0.02800	0.81024	0.04910	0.01967	21	2.01	6%	0
128.01	Isoleucine, Pre-col OPA Der (%)	0297	0.83550	0.01100				1			0
128.02	Isoleucine, Post-col OPA Der (%)	0098	0.80200	0.00400				1			0
128.05	Isoleucine, Pre-col AQC Der (%)	0148	0.69500	0.04000				2			0
128.05	Isoleucine, Pre-col AQC Der (%)	0676	0.76550	0.04900				2			0
128.99	Isoleucine, Miscellaneous (%)	0226	0.79500	0.01000				2			0
128.99	Isoleucine, Miscellaneous (%)	2161	1.7950	0.20600				2			0
129.00	Leucine, Post-col Ninhydrin Der (%)	0870	1.3604	0.00880	1.4448	0.04640	0.01503	20	-1.82	3%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0872	1.3880	0.01200	1.4448	0.04640	0.01503	20	-1.23	2%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0652	1.4050	0.01000	1.4448	0.04640	0.01503	20	-0.86	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0859	1.4075	0.01900	1.4448	0.04640	0.01503	20	-0.80	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	2059	1.4090	0.01400	1.4448	0.04640	0.01503	20	-0.77	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0644	1.4185	0.00900	1.4448	0.04640	0.01503	20	-0.57	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0941	1.4250	0.01600	1.4448	0.04640	0.01503	20	-0.43	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0968	1.4255	0.01100	1.4448	0.04640	0.01503	20	-0.42	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0227	1.4300	0.00000	1.4448	0.04640	0.01503	20	-0.32	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	2022	1.4400	0.06000	1.4448	0.04640	0.01503	20	-0.10	0%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0571	1.4445	0.01100	1.4448	0.04640	0.01503	20	-0.01	0%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0878	1.4445	0.00700	1.4448	0.04640	0.01503	20	-0.01	0%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0910	1.4500	0.02000	1.4448	0.04640	0.01503	20	0.11	0%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0675	1.4650	0.01000	1.4448	0.04640	0.01503	20	0.43	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0354	1.4725	0.01300	1.4448	0.04640	0.01503	20	0.60	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0504	1.4750	0.05000	1.4448	0.04640	0.01503	20	0.65	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0918	1.4784	0.01170	1.4448	0.04640	0.01503	20	0.72	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0955	1.5150	0.01000	1.4448	0.04640	0.01503	20	1.51	2%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0171	1.5190	0.00800	1.4448	0.04640	0.01503	20	1.60	3%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0619	1.6200	0.00000	1.4448	0.04640	0.01503	20	3.77	6%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0684	1.3665	0.12900	1.4448	0.04640	0.01503	20	-1.69	3%	1
129.01	Leucine, Pre-col OPA Der (%)	0297	1.4605	0.01700				1			0
129.02	Leucine, Post-col OPA Der (%)	0098	1.4370	0.00200				1			0
129.05	Leucine, Pre-col AQC Der (%)	0676	1.3995	0.06100				2			0
129.05	Leucine, Pre-col AQC Der (%)	0148	1.4490	0.08800				2			0
129.99	Leucine, Miscellaneous (%)	0226	1.1650	0.01000				2			0
129.99	Leucine, Miscellaneous (%)	2161	3.6680	0.26400				2			0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0652	0.95000	0.02000	1.0106	0.04203	0.01758	21	-1.44	3%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0859	0.95050	0.00300	1.0106	0.04203	0.01758	21	-1.43	3%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0684	0.96750	0.01900	1.0106	0.04203	0.01758	21	-1.03	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	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0872	0.98100	0.02600	1.0106	0.04203	0.01758	21	-0.70	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0910	0.98500	0.03000	1.0106	0.04203	0.01758	21	-0.61	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0941	0.98500	0.01400	1.0106	0.04203	0.01758	21	-0.61	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	2059	0.99200	0.00600	1.0106	0.04203	0.01758	21	-0.44	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0571	0.99850	0.02300	1.0106	0.04203	0.01758	21	-0.29	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0878	1.0020	0.00200	1.0106	0.04203	0.01758	21	-0.20	0%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0644	1.0025	0.00100	1.0106	0.04203	0.01758	21	-0.19	0%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	2022	1.0050	0.05000	1.0106	0.04203	0.01758	21	-0.13	0%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0227	1.0100	0.04000	1.0106	0.04203	0.01758	21	-0.01	0%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0918	1.0106	0.03110	1.0106	0.04203	0.01758	21	0.00	0%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0870	1.0176	0.04210	1.0106	0.04203	0.01758	21	0.17	0%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0968	1.0210	0.00200	1.0106	0.04203	0.01758	21	0.25	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0354	1.0275	0.01700	1.0106	0.04203	0.01758	21	0.40	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0675	1.0350	0.01000	1.0106	0.04203	0.01758	21	0.58	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0955	1.0650	0.01000	1.0106	0.04203	0.01758	21	1.29	3%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0504	1.0700	0.00000	1.0106	0.04203	0.01758	21	1.41	3%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0619	1.1300	0.02000	1.0106	0.04203	0.01758	21	2.84	6%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0171	1.2085	0.00300	1.0106	0.04203	0.01758	21	4.71	10%	0
130.01	L-Lysine, Pre-col OPA Der (%)	0297	0.99750	0.06700				1			0
130.02	L-Lysine, Post-col OPA Der (%)	0098	0.97300	0.02200				1			0
130.05	L-Lysine, Pre-col AQC Der (%)	0676	0.97100	0.04800				2			0
130.05	L-Lysine, Pre-col AQC Der (%)	0148	1.0025	0.01700				2			0
130.99	L-Lysine, Miscellaneous (%)	0226	1.0450	0.01000				3			0
130.99	L-Lysine, Miscellaneous (%)	2144	1.1350	0.01000				3			0
130.99	L-Lysine, Miscellaneous (%)	2161	2.3925	0.40900				3			0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0652	0.24000	0.00000	0.26765	0.01867	0.00928	21	-1.48	5%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	2059	0.24900	0.00000	0.26765	0.01867	0.00928	21	-1.00	3%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0227	0.25000	0.00000	0.26765	0.01867	0.00928	21	-0.95	3%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0675	0.25000	0.02000	0.26765	0.01867	0.00928	21	-0.95	3%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0171	0.25050	0.00700	0.26765	0.01867	0.00928	21	-0.92	3%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0354	0.25300	0.01200	0.26765	0.01867	0.00928	21	-0.78	3%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0684	0.25350	0.00300	0.26765	0.01867	0.00928	21	-0.76	3%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0859	0.25650	0.00300	0.26765	0.01867	0.00928	21	-0.60	2%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0910	0.26500	0.03000	0.26765	0.01867	0.00928	21	-0.14	0%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0918	0.26735	0.03890	0.26765	0.01867	0.00928	21	-0.02	0%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0644	0.26750	0.00300	0.26765	0.01867	0.00928	21	-0.01	0%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	2022	0.27000	0.02000	0.26765	0.01867	0.00928	21	0.13	0%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0571	0.27150	0.00300	0.26765	0.01867	0.00928	21	0.21	1%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0955	0.27350	0.00500	0.26765	0.01867	0.00928	21	0.31	1%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0504	0.27500	0.01000	0.26765	0.01867	0.00928	21	0.39	1%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0872	0.27900	0.00400	0.26765	0.01867	0.00928	21	0.61	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	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0878	0.28200	0.00600	0.26765	0.01867	0.00928	21	0.77	3%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0968	0.28650	0.00700	0.26765	0.01867	0.00928	21	1.01	4%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0619	0.28950	0.00300	0.26765	0.01867	0.00928	21	1.17	4%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0870	0.29770	0.01600	0.26765	0.01867	0.00928	21	1.61	6%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0941	0.30200	0.00400	0.26765	0.01867	0.00928	21	1.84	6%	0
131.01	Methionine, PAO Pre-col OPA Der (%)	0297	0.21450	0.00900				1			0
131.02	Methionine, PAO Post-col OPA Der (%)	0098	0.25100	0.00200				1			0
131.05	Methionine, PAO Pre-col AQC Der (%)	0148	0.23700	0.01400				1			0
131.99	Methionine, Miscellaneous (%)	0226	0.28500	0.03000				3			0
131.99	Methionine, Miscellaneous (%)	2144	0.37500	0.01000				3			0
131.99	Methionine, Miscellaneous (%)	2161	0.75950	0.04900				3			0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0652	0.88500	0.07000	0.93525	0.04081	0.01740	20	-1.23	3%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0910	0.88500	0.05000	0.93525	0.04081	0.01740	20	-1.23	3%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0870	0.89740	0.01700	0.93525	0.04081	0.01740	20	-0.93	2%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0872	0.90000	0.01000	0.93525	0.04081	0.01740	20	-0.86	2%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0878	0.90300	0.00400	0.93525	0.04081	0.01740	20	-0.79	2%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0684	0.90950	0.02100	0.93525	0.04081	0.01740	20	-0.63	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0227	0.91000	0.00000	0.93525	0.04081	0.01740	20	-0.62	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0571	0.92100	0.00600	0.93525	0.04081	0.01740	20	-0.35	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0968	0.92150	0.00300	0.93525	0.04081	0.01740	20	-0.34	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0644	0.92300	0.01200	0.93525	0.04081	0.01740	20	-0.30	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	2059	0.93650	0.00300	0.93525	0.04081	0.01740	20	0.03	0%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0171	0.94250	0.00700	0.93525	0.04081	0.01740	20	0.18	0%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0504	0.94500	0.01000	0.93525	0.04081	0.01740	20	0.24	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0675	0.95000	0.02000	0.93525	0.04081	0.01740	20	0.36	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	2022	0.95000	0.04000	0.93525	0.04081	0.01740	20	0.36	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0955	0.95800	0.01200	0.93525	0.04081	0.01740	20	0.56	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0354	0.98850	0.01100	0.93525	0.04081	0.01740	20	1.30	3%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0859	0.98850	0.00500	0.93525	0.04081	0.01740	20	1.30	3%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0918	0.99420	0.04700	0.93525	0.04081	0.01740	20	1.44	3%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0619	1.0300	0.00000	0.93525	0.04081	0.01740	20	2.32	5%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0941	0.84000	0.11400	0.93525	0.04081	0.01740	20	-2.33	5%	1
132.01	Phenylalanine, Pre-col OPA Der (%)	0297	0.93500	0.01000				1			0
132.02	Phenylalanine, Post-col OPA Der (%)	0098	0.89900	0.00200				1			0
132.05	Phenylalanine, Pre-col AQC Der (%)	0148	0.85700	0.07600				2			0
132.05	Phenylalanine, Pre-col AQC Der (%)	0676	0.91150	0.03700				2			0
132.99	Phenylalanine, Miscellaneous (%)	0226	0.94500	0.01000				2			0
132.99	Phenylalanine, Miscellaneous (%)	2161	2.0645	0.43500				2			0
133.00	Proline, Post-col Ninhydrin Der (%)	0652	1.0650	0.01000	1.1490	0.07632	0.04111	19	-1.10	4%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0354	1.0685	0.17900	1.1490	0.07632	0.04111	19	-1.05	4%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0910	1.0750	0.07000	1.1490	0.07632	0.04111	19	-0.97	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	
133.00	Proline, Post-col Ninhydrin Der (%)	0870	1.0865	0.02310	1.1490	0.07632	0.04111	19	-0.82	3%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0872	1.0975	0.01700	1.1490	0.07632	0.04111	19	-0.67	2%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0571	1.1015	0.01500	1.1490	0.07632	0.04111	19	-0.62	2%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0878	1.1125	0.02300	1.1490	0.07632	0.04111	19	-0.48	2%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0859	1.1165	0.02700	1.1490	0.07632	0.04111	19	-0.43	1%	0
133.00	Proline, Post-col Ninhydrin Der (%)	2059	1.1280	0.01000	1.1490	0.07632	0.04111	19	-0.28	1%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0227	1.1300	0.02000	1.1490	0.07632	0.04111	19	-0.25	1%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0941	1.1395	0.01300	1.1490	0.07632	0.04111	19	-0.12	0%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0968	1.1445	0.00700	1.1490	0.07632	0.04111	19	-0.06	0%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0644	1.1520	0.03400	1.1490	0.07632	0.04111	19	0.04	0%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0675	1.1900	0.02000	1.1490	0.07632	0.04111	19	0.54	2%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0684	1.2025	0.11300	1.1490	0.07632	0.04111	19	0.70	2%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0171	1.2345	0.00300	1.1490	0.07632	0.04111	19	1.12	4%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0619	1.2600	0.04000	1.1490	0.07632	0.04111	19	1.45	5%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0504	1.2700	0.00000	1.1490	0.07632	0.04111	19	1.59	5%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0918	1.3106	0.15700	1.1490	0.07632	0.04111	19	2.12	7%	0
133.05	Proline, Pre-col AQC Der (%)	0676	1.1285	0.04300				2			0
133.05	Proline, Pre-col AQC Der (%)	0148	1.1670	0.06400				2			0
133.99	Proline, Miscellaneous (%)	0226	1.1550	0.03000				2			0
133.99	Proline, Miscellaneous (%)	2161	2.9175	0.12900				2			0
134.00	Serine, Post-col Ninhydrin Der (%)	0504	0.87500	0.03000	0.95729	0.03557	0.02298	21	-2.31	4%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0644	0.91250	0.00500	0.95729	0.03557	0.02298	21	-1.26	2%	0
134.00	Serine, Post-col Ninhydrin Der (%)	2059	0.92750	0.00900	0.95729	0.03557	0.02298	21	-0.84	2%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0910	0.93000	0.02000	0.95729	0.03557	0.02298	21	-0.77	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	2022	0.93000	0.08000	0.95729	0.03557	0.02298	21	-0.77	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0652	0.94000	0.00000	0.95729	0.03557	0.02298	21	-0.49	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0684	0.94150	0.07500	0.95729	0.03557	0.02298	21	-0.44	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0571	0.94500	0.01200	0.95729	0.03557	0.02298	21	-0.35	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0878	0.94700	0.00200	0.95729	0.03557	0.02298	21	-0.29	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0227	0.95000	0.02000	0.95729	0.03557	0.02298	21	-0.21	0%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0859	0.95050	0.00300	0.95729	0.03557	0.02298	21	-0.19	0%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0968	0.95300	0.00000	0.95729	0.03557	0.02298	21	-0.12	0%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0918	0.95430	0.01040	0.95729	0.03557	0.02298	21	-0.08	0%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0941	0.96200	0.02000	0.95729	0.03557	0.02298	21	0.13	0%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0675	0.96500	0.03000	0.95729	0.03557	0.02298	21	0.22	0%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0872	0.97050	0.03500	0.95729	0.03557	0.02298	21	0.37	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0171	0.99250	0.00700	0.95729	0.03557	0.02298	21	0.99	2%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0870	0.99665	0.06210	0.95729	0.03557	0.02298	21	1.11	2%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0955	1.0100	0.00000	0.95729	0.03557	0.02298	21	1.48	3%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0354	1.0310	0.03200	0.95729	0.03557	0.02298	21	2.07	4%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0619	1.0350	0.03000	0.95729	0.03557	0.02298	21	2.18	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			
134.01	Serine, Pre-col OPA Der (%)	0297	0.98550	0.01100				1			0
134.02	Serine, Post-col OPA Der (%)	0098	0.89950	0.01100				1			0
134.05	Serine, Pre-col AQC Der (%)	0676	0.92600	0.03800				2			0
134.05	Serine, Pre-col AQC Der (%)	0148	1.0275	0.03900				2			0
134.99	Serine, Miscellaneous (%)	0226	0.76000	0.00000				2			0
134.99	Serine, Miscellaneous (%)	2161	1.7820	0.20200				2			0
135.00	Threonine, Post-col Ninhydrin Der (%)	0160	0.64000	0.04000	0.78977	0.03118	0.01640	22	-4.80	9%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	2059	0.75200	0.00400	0.78977	0.03118	0.01640	22	-1.21	2%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0652	0.76000	0.02000	0.78977	0.03118	0.01640	22	-0.95	2%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0644	0.76550	0.00900	0.78977	0.03118	0.01640	22	-0.78	2%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0872	0.77050	0.01700	0.78977	0.03118	0.01640	22	-0.62	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0878	0.77400	0.00400	0.78977	0.03118	0.01640	22	-0.51	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0941	0.77400	0.01200	0.78977	0.03118	0.01640	22	-0.51	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0571	0.77650	0.00300	0.78977	0.03118	0.01640	22	-0.43	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0859	0.77650	0.00300	0.78977	0.03118	0.01640	22	-0.43	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0968	0.78350	0.00100	0.78977	0.03118	0.01640	22	-0.20	0%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0227	0.78500	0.01000	0.78977	0.03118	0.01640	22	-0.15	0%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0504	0.78500	0.03000	0.78977	0.03118	0.01640	22	-0.15	0%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0910	0.78500	0.03000	0.78977	0.03118	0.01640	22	-0.15	0%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	2022	0.78500	0.05000	0.78977	0.03118	0.01640	22	-0.15	0%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0955	0.78900	0.01000	0.78977	0.03118	0.01640	22	-0.02	0%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0918	0.80245	0.01890	0.78977	0.03118	0.01640	22	0.41	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0684	0.81350	0.00900	0.78977	0.03118	0.01640	22	0.76	2%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0870	0.81990	0.01300	0.78977	0.03118	0.01640	22	0.97	2%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0675	0.82500	0.01000	0.78977	0.03118	0.01640	22	1.13	2%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0354	0.84250	0.04100	0.78977	0.03118	0.01640	22	1.69	3%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0619	0.87600	0.02200	0.78977	0.03118	0.01640	22	2.77	5%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0171	0.96900	0.00400	0.78977	0.03118	0.01640	22	5.75	11%	0
135.01	Threonine, Pre-col OPA Der (%)	0297	0.76400	0.00800				1			0
135.02	Threonine, Post-col OPA Der (%)	0098	0.77400	0.00400				1			0
135.05	Threonine, Pre-col AQC Der (%)	0676	0.76300	0.01400				2			0
135.05	Threonine, Pre-col AQC Der (%)	0148	0.79950	0.03300				2			0
135.99	Threonine, Miscellaneous (%)	0226	0.70500	0.01000				3			0
135.99	Threonine, Miscellaneous (%)	2144	0.79500	0.01000				3			0
135.99	Threonine, Miscellaneous (%)	2161	1.3575	0.09100				3			0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0910	0.19500	0.01000	0.23959	0.04670	0.01007	7	-0.95	9%	0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0870	0.20035	0.00290	0.23959	0.04670	0.01007	7	-0.84	8%	0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0619	0.20350	0.01500	0.23959	0.04670	0.01007	7	-0.77	8%	0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0941	0.24100	0.00200	0.23959	0.04670	0.01007	7	0.03	0%	0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0918	0.25930	0.02860	0.23959	0.04670	0.01007	7	0.42	4%	0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0684	0.28300	0.00200	0.23959	0.04670	0.01007	7	0.93	9%	0

Test Material Code # 201728

Method Proficiency Testing Report

Issue Date : 09/30/2017

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	
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0227	0.29500	0.01000	0.23959	0.04670	0.01007	7	1.19	12%	0
136.01	Tryptophan, Alka-Hydrol Rev Phase LC UV (%)	0878	0.21350	0.01500				3			0
136.01	Tryptophan, Alka-Hydrol Rev Phase LC UV (%)	2059	0.24950	0.00300				3			0
136.01	Tryptophan, Alka-Hydrol Rev Phase LC UV (%)	0644	0.27050	0.00300				3			0
136.02	Tryptophan, Alka-Hydrol Post-col OPA De (%)	0098	0.24900	0.00400				1			0
136.03	Tryptophan, Alka-Hydrol + IS RP LC FI (%)	0872	0.26000	0.00200	0.26363	0.00375	0.00625	4			0
136.03	Tryptophan, Alka-Hydrol + IS RP LC FI (%)	0148	0.26150	0.01500	0.26363	0.00375	0.00625	4			0
136.03	Tryptophan, Alka-Hydrol + IS RP LC FI (%)	0571	0.26450	0.00300	0.26363	0.00375	0.00625	4			0
136.03	Tryptophan, Alka-Hydrol + IS RP LC FI (%)	0859	0.26850	0.00500	0.26363	0.00375	0.00625	4			0
136.99	Tryptophan, Miscellaneous (%)	0504	0.27000	0.04000				1			0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0859	0.23300	0.00400	0.60197	0.07554	0.02561	15	-4.88	31%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0910	0.29500	0.07000	0.60197	0.07554	0.02561	15	-4.06	25%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0870	0.50900	0.01160	0.60197	0.07554	0.02561	15	-1.23	8%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0941	0.55300	0.08400	0.60197	0.07554	0.02561	15	-0.65	4%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0675	0.58500	0.03000	0.60197	0.07554	0.02561	15	-0.22	1%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0968	0.59300	0.00400	0.60197	0.07554	0.02561	15	-0.12	1%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0684	0.59500	0.04400	0.60197	0.07554	0.02561	15	-0.09	1%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0227	0.61000	0.00000	0.60197	0.07554	0.02561	15	0.11	1%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0354	0.62450	0.06300	0.60197	0.07554	0.02561	15	0.30	2%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0504	0.63500	0.01000	0.60197	0.07554	0.02561	15	0.44	3%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	2059	0.65500	0.00200	0.60197	0.07554	0.02561	15	0.70	4%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0644	0.66150	0.01100	0.60197	0.07554	0.02561	15	0.79	5%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0872	0.67350	0.00900	0.60197	0.07554	0.02561	15	0.95	6%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0918	0.67575	0.03950	0.60197	0.07554	0.02561	15	0.98	6%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0171	0.68200	0.00200	0.60197	0.07554	0.02561	15	1.06	7%	0
137.01	Tyrosine, Pre-col OPA Der (%)	0297	0.59750	0.00100				1			0
137.02	Tyrosine, Post-col OPA Der (%)	0098	0.58850	0.05700				1			0
137.05	Tyrosine, Pre-col AQC Der (%)	0148	0.59400	0.04600				2			0
137.05	Tyrosine, Pre-col AQC Der (%)	0676	0.65850	0.03300				2			0
137.99	Tyrosine, Miscellaneous (%)	0226	0.66000	0.00000				2			0
137.99	Tyrosine, Miscellaneous (%)	2161	1.4650	0.03600				2			0
138.00	Valine, Post-col Ninhydrin Der (%)	0870	0.89800	0.05800	0.97289	0.04922	0.02046	20	-1.52	4%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0652	0.90000	0.02000	0.97289	0.04922	0.02046	20	-1.48	4%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0859	0.90800	0.01400	0.97289	0.04922	0.02046	20	-1.32	3%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0684	0.91000	0.02600	0.97289	0.04922	0.02046	20	-1.28	3%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0941	0.93600	0.02600	0.97289	0.04922	0.02046	20	-0.75	2%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0878	0.95450	0.00100	0.97289	0.04922	0.02046	20	-0.37	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	2059	0.96350	0.00100	0.97289	0.04922	0.02046	20	-0.19	0%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0968	0.97000	0.00000	0.97289	0.04922	0.02046	20	-0.06	0%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0872	0.97600	0.00400	0.97289	0.04922	0.02046	20	0.06	0%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0644	0.98200	0.00200	0.97289	0.04922	0.02046	20	0.19	0%	0

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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	
138.00	Valine, Post-col Ninhydrin Der (%)	0675	0.98500	0.01000	0.97289	0.04922	0.02046	20	0.25	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0910	0.99000	0.04000	0.97289	0.04922	0.02046	20	0.35	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0571	0.99050	0.01700	0.97289	0.04922	0.02046	20	0.36	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0227	0.99500	0.01000	0.97289	0.04922	0.02046	20	0.45	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	2022	0.99500	0.01000	0.97289	0.04922	0.02046	20	0.45	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0171	0.99850	0.00900	0.97289	0.04922	0.02046	20	0.52	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0504	1.0050	0.09000	0.97289	0.04922	0.02046	20	0.65	2%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0918	1.0130	0.02120	0.97289	0.04922	0.02046	20	0.81	2%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0619	1.0400	0.02000	0.97289	0.04922	0.02046	20	1.36	3%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0955	1.0550	0.03000	0.97289	0.04922	0.02046	20	1.67	4%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0354	0.97650	0.11700	0.97289	0.04922	0.02046	20	0.07	0%	1
138.01	Valine, Pre-col OPA Der (%)	0297	1.0560	0.01000				1			0
138.02	Valine, Post-col OPA Der (%)	0098	0.98500	0.02400				1			0
138.05	Valine, Pre-col AQC Der (%)	0148	0.87900	0.04000				2			0
138.05	Valine, Pre-col AQC Der (%)	0676	0.97100	0.04800				2			0
138.99	Valine, Miscellaneous (%)	0226	0.93500	0.01000				2			0
138.99	Valine, Miscellaneous (%)	2161	1.7155	0.03300				2			0
139.02	Taurine, Post-col OPA Der (%)	0098	0.00000	0.00000				0			4
160.99	Fructose, Miscellaneous (%)	0619	0.13150	0.00100	0.21158	0.06766	0.03650	6	-1.18	19%	0
160.99	Fructose, Miscellaneous (%)	0148	0.18500	0.01000	0.21158	0.06766	0.03650	6	-0.39	6%	0
160.99	Fructose, Miscellaneous (%)	2161	0.19000	0.00000	0.21158	0.06766	0.03650	6	-0.32	5%	0
160.99	Fructose, Miscellaneous (%)	0297	0.20800	0.09800	0.21158	0.06766	0.03650	6	-0.05	1%	0
160.99	Fructose, Miscellaneous (%)	0861	0.25000	0.10000	0.21158	0.06766	0.03650	6	0.57	9%	0
160.99	Fructose, Miscellaneous (%)	0227	0.30500	0.01000	0.21158	0.06766	0.03650	6	1.38	22%	0
161.99	Galactose, Miscellaneous (%)	0297	0.00000	0.00000				0			4
162.99	Glucose, Miscellaneous (%)	0619	0.07400	0.00200				3			0
162.99	Glucose, Miscellaneous (%)	0297	0.10100	0.10000				3			0
162.99	Glucose, Miscellaneous (%)	0148	0.17000	0.04000				3			0
162.99	Glucose, Miscellaneous (%)	2144	20.270	0.42000				3			2
162.99	Glucose, Miscellaneous (%)	0861	0.00000	0.00000				3			4
163.99	Lactose, Miscellaneous (%)	0148	0.00000	0.00000				0			4
163.99	Lactose, Miscellaneous (%)	0297	0.00000	0.00000				0			4
163.99	Lactose, Miscellaneous (%)	0619	0.00000	0.00000				0			4
163.99	Lactose, Miscellaneous (%)	0861	0.00000	0.00000				0			4
164.99	Maltose, Miscellaneous (%)	0297	0.40400	0.00000				1			0
164.99	Maltose, Miscellaneous (%)	0148	0.00000	0.00000				1			4
164.99	Maltose, Miscellaneous (%)	0861	0.00000	0.00000				1			4
165.99	Sucrose, Miscellaneous (%)	0148	2.6300	0.14000	2.8392	0.15517	0.10167	6	-1.35	4%	0
165.99	Sucrose, Miscellaneous (%)	0619	2.7600	0.10000	2.8392	0.15517	0.10167	6	-0.51	1%	0
165.99	Sucrose, Miscellaneous (%)	0629	2.8500	0.10000	2.8392	0.15517	0.10167	6	0.07	0%	0
165.99	Sucrose, Miscellaneous (%)	0861	2.8500	0.10000	2.8392	0.15517	0.10167	6	0.07	0%	0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
165.99	Sucrose, Miscellaneous (%)	2161	2.9100	0.08000	2.8392	0.15517	0.10167	6	0.46	1%	0
165.99	Sucrose, Miscellaneous (%)	0227	3.0350	0.09000	2.8392	0.15517	0.10167	6	1.26	3%	0
165.99	Sucrose, Miscellaneous (%)	0297	3.2880	0.61000	2.8392	0.15517	0.10167	6	2.89	8%	1
166.99	Raffinose, Miscellaneous (%)	0227	0.57000	0.02000				3			0
166.99	Raffinose, Miscellaneous (%)	0619	0.67950	0.00900				3			0
166.99	Raffinose, Miscellaneous (%)	0297	0.77550	0.06500				3			0
167.99	Stachyose, Miscellaneous (%)	0227	1.2050	0.03000				3			0
167.99	Stachyose, Miscellaneous (%)	0297	1.4020	0.22400				3			0
167.99	Stachyose, Miscellaneous (%)	0619	1.4450	0.01000				3			0
351.00	Chlortetracycline, Plate (mg/kg (ppm))	0043	193.80	4.2000	240.56	52.430	12.622	4			0
351.00	Chlortetracycline, Plate (mg/kg (ppm))	0964	213.37	27.889	240.56	52.430	12.622	4			0
351.00	Chlortetracycline, Plate (mg/kg (ppm))	0218	241.56	7.4008	240.56	52.430	12.622	4			0
351.00	Chlortetracycline, Plate (mg/kg (ppm))	0511	313.50	11.000	240.56	52.430	12.622	4			0
351.03	Chlortetracycline, LC (UV or FL) (mg/kg (ppm))	0910	149.50	25.000	218.38	48.616	7.1203	8	-1.42	16%	0
351.03	Chlortetracycline, LC (UV or FL) (mg/kg (ppm))	0038	176.25	3.1000	218.38	48.616	7.1203	8	-0.87	10%	0
351.03	Chlortetracycline, LC (UV or FL) (mg/kg (ppm))	2135	208.35	0.66200	218.38	48.616	7.1203	8	-0.21	2%	0
351.03	Chlortetracycline, LC (UV or FL) (mg/kg (ppm))	0917	224.50	5.0000	218.38	48.616	7.1203	8	0.13	1%	0
351.03	Chlortetracycline, LC (UV or FL) (mg/kg (ppm))	0001	225.00	8.0000	218.38	48.616	7.1203	8	0.14	2%	0
351.03	Chlortetracycline, LC (UV or FL) (mg/kg (ppm))	0033	225.50	3.0000	218.38	48.616	7.1203	8	0.15	2%	0
351.03	Chlortetracycline, LC (UV or FL) (mg/kg (ppm))	0036	246.60	8.2000	218.38	48.616	7.1203	8	0.58	6%	0
351.03	Chlortetracycline, LC (UV or FL) (mg/kg (ppm))	0032	298.00	4.0000	218.38	48.616	7.1203	8	1.64	18%	0
351.04	Chlortetracycline, LC-MS (mg/kg (ppm))	2053	259.50	17.000				1			0
351.05	Chlortetracycline, LC-MS/MS (mg/kg (ppm))	2144	210.25	8.5000				3			0
351.05	Chlortetracycline, LC-MS/MS (mg/kg (ppm))	2145	224.20	0.40000				3			0
351.05	Chlortetracycline, LC-MS/MS (mg/kg (ppm))	0028	344.35	351.30				3			0
364.02	Melengestrol Acetate, LC-MS (mg/kg (ppm))	2053	3.0450	0.01000				1			0
365.00	Monensin, Plate (mg/kg (ppm))	0043	200.00	0.00000				2			0
365.00	Monensin, Plate (mg/kg (ppm))	0964	266.17	138.28				2			0
365.02	Monensin, LC (mg/kg (ppm))	0905	214.80	0.20000	238.27	22.182	10.060	5			0
365.02	Monensin, LC (mg/kg (ppm))	0610	217.00	6.0000	238.27	22.182	10.060	5			0
365.02	Monensin, LC (mg/kg (ppm))	0668	241.05	19.900	238.27	22.182	10.060	5			0
365.02	Monensin, LC (mg/kg (ppm))	0047	253.05	3.5000	238.27	22.182	10.060	5			0
365.02	Monensin, LC (mg/kg (ppm))	0910	265.45	20.700	238.27	22.182	10.060	5			0
365.03	Monensin, LC-PCD (mg/kg (ppm))	0032	233.00	10.000	249.07	19.745	6.0750	6	-0.81	3%	0
365.03	Monensin, LC-PCD (mg/kg (ppm))	0148	236.12	0.00000	249.07	19.745	6.0750	6	-0.66	3%	0
365.03	Monensin, LC-PCD (mg/kg (ppm))	0036	238.75	2.1000	249.07	19.745	6.0750	6	-0.52	2%	0
365.03	Monensin, LC-PCD (mg/kg (ppm))	0218	248.53	0.55000	249.07	19.745	6.0750	6	-0.03	0%	0
365.03	Monensin, LC-PCD (mg/kg (ppm))	2135	259.35	6.5000	249.07	19.745	6.0750	6	0.52	2%	0
365.03	Monensin, LC-PCD (mg/kg (ppm))	0028	282.35	17.300	249.07	19.745	6.0750	6	1.69	7%	0
365.04	Monensin, LC-MS (mg/kg (ppm))	2053	258.00	8.0000				1			0
365.05	Monensin, LC-MS/MS (mg/kg (ppm))	0038	225.50	13.000	255.51	33.680	21.040	5			0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
365.05	Monensin, LC-MS/MS (mg/kg (ppm))	2144	229.99	19.900	255.51	33.680	21.040	5		0	
365.05	Monensin, LC-MS/MS (mg/kg (ppm))	2145	246.50	17.000	255.51	33.680	21.040	5		0	
365.05	Monensin, LC-MS/MS (mg/kg (ppm))	0001	267.50	11.000	255.51	33.680	21.040	5		0	
365.05	Monensin, LC-MS/MS (mg/kg (ppm))	0553	308.05	44.300	255.51	33.680	21.040	5		0	
365.99	Monensin, Miscellaneous (mg/kg (ppm))	0668	237.00	4.6000	243.69	6.4370	6.9450	4		0	
365.99	Monensin, Miscellaneous (mg/kg (ppm))	0904	239.36	9.7800	243.69	6.4370	6.9450	4		0	
365.99	Monensin, Miscellaneous (mg/kg (ppm))	0033	249.00	10.000	243.69	6.4370	6.9450	4		0	
365.99	Monensin, Miscellaneous (mg/kg (ppm))	0171	249.40	3.4000	243.69	6.4370	6.9450	4		0	
382.01	Sulfamethazine, LC (mg/kg (ppm))	0148	246.58	0.55000	283.75	49.821	20.915	5		0	
382.01	Sulfamethazine, LC (mg/kg (ppm))	0047	248.15	56.900	283.75	49.821	20.915	5		0	
382.01	Sulfamethazine, LC (mg/kg (ppm))	0019	274.50	1.0000	283.75	49.821	20.915	5		0	
382.01	Sulfamethazine, LC (mg/kg (ppm))	0001	281.00	12.000	283.75	49.821	20.915	5		0	
382.01	Sulfamethazine, LC (mg/kg (ppm))	0039	368.52	34.124	283.75	49.821	20.915	5		0	
382.02	Sulfamethazine, LC-PCD (mg/kg (ppm))	0218	276.18	5.4060				2		0	
382.02	Sulfamethazine, LC-PCD (mg/kg (ppm))	0032	363.30	13.000				2		0	
382.03	Sulfamethazine, LC-MS (mg/kg (ppm))	2053	223.50	23.000				1		0	
388.00	Tylosin, Plate (mg/kg (ppm))	0043	59.700	2.8000				1		0	
388.03	Tylosin, LC (mg/kg (ppm))	0910	19.250	0.10000	40.825	24.163	4.1000	4		0	
388.03	Tylosin, LC (mg/kg (ppm))	0032	24.500	2.4000	40.825	24.163	4.1000	4		0	
388.03	Tylosin, LC (mg/kg (ppm))	0917	47.500	11.000	40.825	24.163	4.1000	4		0	
388.03	Tylosin, LC (mg/kg (ppm))	0033	72.050	2.9000	40.825	24.163	4.1000	4		0	
388.04	Tylosin, LC-MS (mg/kg (ppm))	2053	21.250	1.1000				1		0	
388.05	Tylosin, LC-MS/MS (mg/kg (ppm))	0028	53.050	2.5000				1		0	
388.99	Tylosin, Miscellaneous (mg/kg (ppm))	0904	31.335	3.4100				1		0	
400.01	Water activity, Aqualab chilled mirror (Units)	0407	0.49420	0.00080	0.50120	0.00807	0.00077	6	-0.87	1%	0
400.01	Water activity, Aqualab chilled mirror (Units)	0589	0.49700	0.00000	0.50120	0.00807	0.00077	6	-0.52	0%	0
400.01	Water activity, Aqualab chilled mirror (Units)	0843	0.49815	0.00130	0.50120	0.00807	0.00077	6	-0.38	0%	0
400.01	Water activity, Aqualab chilled mirror (Units)	0942	0.49850	0.00100	0.50120	0.00807	0.00077	6	-0.33	0%	0
400.01	Water activity, Aqualab chilled mirror (Units)	0552	0.50605	0.00050	0.50120	0.00807	0.00077	6	0.60	0%	0
400.01	Water activity, Aqualab chilled mirror (Units)	2009	0.52150	0.00100	0.50120	0.00807	0.00077	6	2.51	2%	0
400.99	Water activity, Miscellaneous (Units)	2073	0.47450	0.00500				2		0	
400.99	Water activity, Miscellaneous (Units)	0843	0.48900	0.00000				2		0	
412.01	Dietary Starch, Enzymatic-Colorimetric (%)	0353	4.9750	0.15000				1		0	
516.00	Arsenic, total, AA, Hydride (mg / kg (ppm))	0171	0.64000	0.04000				2		0	
516.00	Arsenic, total, AA, Hydride (mg / kg (ppm))	0045	0.66050	0.06500				2		0	
516.43	Arsenic, total, ICP, Microwave (mg / kg (ppm))	0021	0.00000	0.00000				0		4	
516.52	Arsenic, total, ICP-MS, Open vessel (mg / kg (ppm))	0186	0.56300	0.00400				2		0	
516.52	Arsenic, total, ICP-MS, Open vessel (mg / kg (ppm))	0910	0.63500	0.11000				2		0	
516.53	Arsenic, total, ICP-MS, Microwave (mg / kg (ppm))	0021	0.63500	0.07000	0.73739	0.08931	0.09234	5		0	
516.53	Arsenic, total, ICP-MS, Microwave (mg / kg (ppm))	0918	0.71945	0.07470	0.73739	0.08931	0.09234	5		0	
516.53	Arsenic, total, ICP-MS, Microwave (mg / kg (ppm))	0553	0.72050	0.02100	0.73739	0.08931	0.09234	5		0	

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
516.53	Arsenic, total, ICP-MS, Microwave (mg / kg (ppm))	0227	0.73050	0.05500	0.73739	0.08931	0.09234	5		0	
516.53	Arsenic, total, ICP-MS, Microwave (mg / kg (ppm))	0098	0.88150	0.24100	0.73739	0.08931	0.09234	5		0	
518.41	Cadmium, ICP, Dry ash (mg / kg (ppm))	0619	0.04050	0.00700				3		0	
518.41	Cadmium, ICP, Dry ash (mg / kg (ppm))	2152	0.18850	0.01300				3		0	
518.41	Cadmium, ICP, Dry ash (mg / kg (ppm))	0171	0.20000	0.00000				3		0	
518.43	Cadmium, ICP, Microwave (mg / kg (ppm))	0968	0.20500	0.05000				2		0	
518.43	Cadmium, ICP, Microwave (mg / kg (ppm))	0508	0.21900	0.02800				2		0	
518.43	Cadmium, ICP, Microwave (mg / kg (ppm))	0021	0.00000	0.00000				2		4	
518.52	Cadmium, ICP-MS, Open vessel (mg / kg (ppm))	0910	0.21500	0.03000				2		0	
518.52	Cadmium, ICP-MS, Open vessel (mg / kg (ppm))	0186	0.22400	0.00600				2		0	
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0021	0.20000	0.02000	0.20675	0.00569	0.01500	4		0	
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0227	0.20500	0.01800	0.20675	0.00569	0.01500	4		0	
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0553	0.20850	0.01700	0.20675	0.00569	0.01500	4		0	
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0098	0.21350	0.00500	0.20675	0.00569	0.01500	4		0	
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0918	0.25225	0.00750	0.20675	0.00569	0.01500	4		2	
520.41	Chromium, ICP, Dry ash (mg / kg (ppm))	0619	7.3100	0.26000				2		0	
520.41	Chromium, ICP, Dry ash (mg / kg (ppm))	0171	10.415	0.25000				2		0	
520.42	Chromium, ICP, Open vessel (mg / kg (ppm))	0693	11.937	2.6649				3		0	
520.42	Chromium, ICP, Open vessel (mg / kg (ppm))	2053	12.920	2.1000				3		0	
520.42	Chromium, ICP, Open vessel (mg / kg (ppm))	0045	21.550	0.50000				3		0	
520.43	Chromium, ICP, Microwave (mg / kg (ppm))	0968	8.4650	2.9500				3		0	
520.43	Chromium, ICP, Microwave (mg / kg (ppm))	0510	20.305	0.07000				3		0	
520.43	Chromium, ICP, Microwave (mg / kg (ppm))	0508	21.525	3.1300				3		0	
520.43	Chromium, ICP, Microwave (mg / kg (ppm))	0021	0.00000	0.00000				3		4	
520.52	Chromium, ICP-MS, Open vessel (mg / kg (ppm))	0186	3.6350	0.47000				1		0	
520.53	Chromium, ICP-MS, Microwave (mg / kg (ppm))	0918	5.2925	1.1143				2		0	
520.53	Chromium, ICP-MS, Microwave (mg / kg (ppm))	0021	18.000	6.0000				2		0	
526.41	Lead, ICP, Dry ash (mg / kg (ppm))	0619	0.19650	0.08700				2		0	
526.41	Lead, ICP, Dry ash (mg / kg (ppm))	0171	0.59500	0.01000				2		0	
526.43	Lead, ICP, Microwave (mg / kg (ppm))	0021	0.00000	0.00000				0		4	
526.52	Lead, ICP-MS, Open vessel (mg / kg (ppm))	0910	0.62000	0.06000				2		0	
526.52	Lead, ICP-MS, Open vessel (mg / kg (ppm))	0186	0.65850	0.07900				2		0	
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0021	0.50500	0.03000	0.57385	0.05783	0.03355	4		0	
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0227	0.56050	0.01500	0.57385	0.05783	0.03355	4		0	
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0553	0.58550	0.04500	0.57385	0.05783	0.03355	4		0	
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0918	0.64440	0.04420	0.57385	0.05783	0.03355	4		0	
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0098	0.70050	0.21700	0.57385	0.05783	0.03355	4		1	
539.42	Nickel, ICP, Open vessel (mg / kg (ppm))	0186	5.1000	0.36000				2		0	
539.42	Nickel, ICP, Open vessel (mg / kg (ppm))	2053	6.1100	0.34000				2		0	
539.43	Nickel, ICP, Microwave (mg / kg (ppm))	0508	7.2895	0.62100				2		0	
539.43	Nickel, ICP, Microwave (mg / kg (ppm))	0021	7.7000	0.00000				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			
539.52	Nickel, ICP-MS, Open vessel (mg / kg (ppm))	0186	4.0650	0.03000					1		0
539.53	Nickel, ICP-MS, Microwave (mg / kg (ppm))	0918	5.1767	0.73750					3		0
539.53	Nickel, ICP-MS, Microwave (mg / kg (ppm))	0553	6.8900	0.16000					3		0
539.53	Nickel, ICP-MS, Microwave (mg / kg (ppm))	0021	7.7000	0.20000					3		0
710.99	Lauric Acid (12:0), Miscellaneous (% (w/w))	0226	0.00000	0.00000					0		4
714.99	Myristic Acid (14:0), Miscellaneous (% (w/w))	0226	0.00450	0.00100					1		0
716.99	Palmitic Acid (16:0), Miscellaneous (% (w/w))	0226	0.34700	0.01600					1		0
718.99	Palmitoleic Acid (9c-16:1), Miscellaneous (% (w/w))	0226	0.02100	0.00000					1		0
722.99	Stearic Acid (18:0), Miscellaneous (% (w/w))	0226	0.06050	0.00300					1		0
724.99	Oleic Acid (9c-18:1), Miscellaneous (% (w/w))	0226	0.39000	0.01800					1		0
726.99	Linoleic Acid (9c,12c-18:2), Miscellaneous (% (w/w))	0226	0.42050	0.02100					1		0
728.99	alpha-Linolenic Acid (9c,12c,15c-18:3), Miscellaneous (% (w/w))	0226	0.03800	0.00200					1		0
730.99	Arachidic Acid (20:0), Miscellaneous (% (w/w))	0226	0.00850	0.00100					1		0
732.99	Gondoic Acid (11c-20:1), Miscellaneous (% (w/w))	0226	0.01100	0.00200					1		0
740.99	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5), Miscellaneous (% (w/w))	0226	0.00000	0.00000					0		4
742.99	Behenic Acid (22:0), Miscellaneous (% (w/w))	0226	0.00850	0.00100					1		0
744.99	Erucic Acid (13c-22:1), Miscellaneous (% (w/w))	0226	0.00000	0.00000					0		4
746.99	Docosapentaenoic Acid n-3 DPA (DHA)7c,10c,13c,16c,19c-22:5), Miscellaneous (% (w/w))	0226	0.00000	0.00000					0		4
748.99	Lignoceric Acid (24:0), Miscellaneous (% (w/w))	0226	0.00800	0.00000					1		0
750.99	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c,22:6), Miscellaneous (% (w/w))	0226	0.00000	0.00000					0		4
752.99	Nervonic Acid (24:1) isomers, Miscellaneous (% (w/w))	0226	0.00000	0.00000					0		4
772.99	Total Fatty Acids, Miscellaneous (% (w/w))	0226	1.3840	0.06800					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.