



Dairy Beef Feed

Animal Feed Scheme

# Labs Reporting: 204

Test Material Code # 201629

Method Proficiency Testing Report

Issue Date : 10/31/2016

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 (%)	0278	9.3000	0.20000				1			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0017	6.0000	0.00000	6.9881	0.70536	0.13659	9	-1.40	7%	0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0596	6.2800	0.14000	6.9881	0.70536	0.13659	9	-1.00	5%	0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0034	6.4320	0.09600	6.9881	0.70536	0.13659	9	-0.79	4%	0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0309	6.9980	0.07400	6.9881	0.70536	0.13659	9	0.01	0%	0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0620	7.1782	0.00930	6.9881	0.70536	0.13659	9	0.27	1%	0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0169	7.3350	0.01000	6.9881	0.70536	0.13659	9	0.49	2%	0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0615	7.3350	0.33000	6.9881	0.70536	0.13659	9	0.49	2%	0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0504	7.4350	0.05000	6.9881	0.70536	0.13659	9	0.63	3%	0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	2106	7.9000	0.52000	6.9881	0.70536	0.13659	9	1.29	7%	0
001.03	Loss on Drying, Low temp. methods (%)	2144	7.1250	0.01000	7.1517	0.03786	0.05000	4	-0.70	0%	0
001.03	Loss on Drying, Low temp. methods (%)	2145	7.1350	0.03000	7.1517	0.03786	0.05000	4	-0.44	0%	0
001.03	Loss on Drying, Low temp. methods (%)	0619	7.1750	0.15000	7.1517	0.03786	0.05000	4	0.62	0%	0
001.03	Loss on Drying, Low temp. methods (%)	0937	7.1950	0.01000	7.1517	0.03786	0.05000	4	1.14	0%	0
001.05	Loss on Drying, LECO (%)	0610	6.9450	0.09000				1			0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0618	5.0450	0.01000	7.1779	0.29071	0.09081	35	-7.34	15%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0413	6.6000	0.40000	7.1779	0.29071	0.09081	35	-1.99	4%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0407	6.7949	0.00340	7.1779	0.29071	0.09081	35	-1.32	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0226	6.7950	0.11000	7.1779	0.29071	0.09081	35	-1.32	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2012	6.8300	0.02000	7.1779	0.29071	0.09081	35	-1.20	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0098	6.9050	0.07000	7.1779	0.29071	0.09081	35	-0.94	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0083	6.9100	0.02000	7.1779	0.29071	0.09081	35	-0.92	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0171	6.9150	0.05000	7.1779	0.29071	0.09081	35	-0.90	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0139	6.9850	0.05000	7.1779	0.29071	0.09081	35	-0.66	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0689	7.0500	0.10000	7.1779	0.29071	0.09081	35	-0.44	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0675	7.0650	0.03000	7.1779	0.29071	0.09081	35	-0.39	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2059	7.0650	0.05000	7.1779	0.29071	0.09081	35	-0.39	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0035	7.0700	0.14000	7.1779	0.29071	0.09081	35	-0.37	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0297	7.0700	0.02000	7.1779	0.29071	0.09081	35	-0.37	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0581	7.0950	0.03000	7.1779	0.29071	0.09081	35	-0.29	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0074	7.1250	0.25000	7.1779	0.29071	0.09081	35	-0.18	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2053	7.1500	0.02000	7.1779	0.29071	0.09081	35	-0.10	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0089	7.1800	0.00000	7.1779	0.29071	0.09081	35	0.01	0%	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 (%)	0003	7.1950	0.05000	7.1779	0.29071	0.09081	35	0.06	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0609	7.2500	0.10000	7.1779	0.29071	0.09081	35	0.25	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0049	7.2700	0.04000	7.1779	0.29071	0.09081	35	0.32	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0353	7.2700	0.12000	7.1779	0.29071	0.09081	35	0.32	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0849	7.2775	0.07500	7.1779	0.29071	0.09081	35	0.34	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0872	7.2800	0.00000	7.1779	0.29071	0.09081	35	0.35	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0571	7.3300	0.24000	7.1779	0.29071	0.09081	35	0.52	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0693	7.3500	0.10000	7.1779	0.29071	0.09081	35	0.59	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0142	7.3900	0.02000	7.1779	0.29071	0.09081	35	0.73	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0366	7.4000	0.40000	7.1779	0.29071	0.09081	35	0.76	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0187	7.4150	0.03000	7.1779	0.29071	0.09081	35	0.82	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2109	7.4550	0.01000	7.1779	0.29071	0.09081	35	0.95	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0683	7.4850	0.01000	7.1779	0.29071	0.09081	35	1.06	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0843	7.5300	0.26000	7.1779	0.29071	0.09081	35	1.21	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0045	7.7450	0.11000	7.1779	0.29071	0.09081	35	1.95	4%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0278	8.4050	0.13000	7.1779	0.29071	0.09081	35	4.22	9%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0529	8.4050	0.11000	7.1779	0.29071	0.09081	35	4.22	9%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0613	7.5750	0.67000	7.1779	0.29071	0.09081	35	1.37	3%	1
001.08	Loss on Drying, 102°C 16 hr, in meat (%)	0590	7.3500	0.10000				2			0
001.08	Loss on Drying, 102°C 16 hr, in meat (%)	0652	7.3500	0.10000				2			0
001.99	Loss on Drying, Miscellaneous (%)	0618	5.7650	0.27000	7.1309	0.39528	0.09989	19	-3.46	10%	0
001.99	Loss on Drying, Miscellaneous (%)	0510	6.5500	0.10000	7.1309	0.39528	0.09989	19	-1.47	4%	0
001.99	Loss on Drying, Miscellaneous (%)	0918	6.7200	0.14000	7.1309	0.39528	0.09989	19	-1.04	3%	0
001.99	Loss on Drying, Miscellaneous (%)	0630	6.8500	0.02000	7.1309	0.39528	0.09989	19	-0.71	2%	0
001.99	Loss on Drying, Miscellaneous (%)	0910	6.9500	0.30000	7.1309	0.39528	0.09989	19	-0.46	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0889	6.9950	0.09000	7.1309	0.39528	0.09989	19	-0.34	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0357	7.0057	0.06800	7.1309	0.39528	0.09989	19	-0.32	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0940	7.0450	0.21000	7.1309	0.39528	0.09989	19	-0.22	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0676	7.0600	0.08000	7.1309	0.39528	0.09989	19	-0.18	0%	0
001.99	Loss on Drying, Miscellaneous (%)	0644	7.0650	0.03000	7.1309	0.39528	0.09989	19	-0.17	0%	0
001.99	Loss on Drying, Miscellaneous (%)	0656	7.0650	0.19000	7.1309	0.39528	0.09989	19	-0.17	0%	0
001.99	Loss on Drying, Miscellaneous (%)	2080	7.2000	0.02000	7.1309	0.39528	0.09989	19	0.17	0%	0
001.99	Loss on Drying, Miscellaneous (%)	0948	7.2250	0.05000	7.1309	0.39528	0.09989	19	0.24	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0904	7.2450	0.05000	7.1309	0.39528	0.09989	19	0.29	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0021	7.4700	0.12000	7.1309	0.39528	0.09989	19	0.86	2%	0
001.99	Loss on Drying, Miscellaneous (%)	0720	7.4800	0.08000	7.1309	0.39528	0.09989	19	0.88	2%	0
001.99	Loss on Drying, Miscellaneous (%)	0852	7.5850	0.03000	7.1309	0.39528	0.09989	19	1.15	3%	0
001.99	Loss on Drying, Miscellaneous (%)	0037	7.7150	0.05000	7.1309	0.39528	0.09989	19	1.48	4%	0
001.99	Loss on Drying, Miscellaneous (%)	0629	7.7400	0.00000	7.1309	0.39528	0.09989	19	1.54	4%	0
002.00	Protein, Crude (%)	2109	30.125	0.01000	30.423	0.38283	0.05500	4	-0.78	0%	0
002.00	Protein, Crude (%)	0940	30.290	0.00000	30.423	0.38283	0.05500	4	-0.35	0%	0

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002.00	Protein, Crude (%)	0169	30.855	0.03000	30.423	0.38283	0.05500	4	1.13	1%	0
002.00	Protein, Crude (%)	2128	37.412	0.18000	30.423	0.38283	0.05500	4	18.26	11%	0
002.01	Protein, Auto Kjehl-Foss (%)	0652	29.600	0.60000	30.159	0.38538	0.12800	11	-1.45	1%	0
002.01	Protein, Auto Kjehl-Foss (%)	0889	29.770	0.02000	30.159	0.38538	0.12800	11	-1.01	1%	0
002.01	Protein, Auto Kjehl-Foss (%)	0968	29.895	0.00800	30.159	0.38538	0.12800	11	-0.69	0%	0
002.01	Protein, Auto Kjehl-Foss (%)	0028	30.100	0.16000	30.159	0.38538	0.12800	11	-0.15	0%	0
002.01	Protein, Auto Kjehl-Foss (%)	0164	30.100	0.08000	30.159	0.38538	0.12800	11	-0.15	0%	0
002.01	Protein, Auto Kjehl-Foss (%)	0043	30.165	0.03000	30.159	0.38538	0.12800	11	0.01	0%	0
002.01	Protein, Auto Kjehl-Foss (%)	0653	30.185	0.29000	30.159	0.38538	0.12800	11	0.07	0%	0
002.01	Protein, Auto Kjehl-Foss (%)	0685	30.200	0.02000	30.159	0.38538	0.12800	11	0.11	0%	0
002.01	Protein, Auto Kjehl-Foss (%)	0723	30.350	0.00000	30.159	0.38538	0.12800	11	0.49	0%	0
002.01	Protein, Auto Kjehl-Foss (%)	0152	30.650	0.10000	30.159	0.38538	0.12800	11	1.27	1%	0
002.01	Protein, Auto Kjehl-Foss (%)	0610	30.750	0.10000	30.159	0.38538	0.12800	11	1.53	1%	0
002.01	Protein, Auto Kjehl-Foss (%)	0870	29.430	1.0300	30.159	0.38538	0.12800	11	-1.89	1%	1
002.02	Protein, Semiauto Autoanalyzer (%)	0066	30.040	0.10000				3			0
002.02	Protein, Semiauto Autoanalyzer (%)	0042	30.270	0.16000				3			0
002.02	Protein, Semiauto Autoanalyzer (%)	0036	30.434	0.06850				3			0
002.04	Protein, Copper Catalyst (%)	0187	29.715	0.15000	30.120	0.37493	0.17250	4	-1.08	1%	0
002.04	Protein, Copper Catalyst (%)	2057	30.190	0.30000	30.120	0.37493	0.17250	4	0.19	0%	0
002.04	Protein, Copper Catalyst (%)	0504	30.455	0.19000	30.120	0.37493	0.17250	4	0.89	1%	0
002.04	Protein, Copper Catalyst (%)	0405	37.865	0.05000	30.120	0.37493	0.17250	4	20.66	13%	0
002.05	Protein, Copper, Boric Acid (%)	2106	28.900	0.56000	30.181	0.26949	0.14635	28	-4.75	2%	0
002.05	Protein, Copper, Boric Acid (%)	2073	29.905	0.37000	30.181	0.26949	0.14635	28	-1.02	0%	0
002.05	Protein, Copper, Boric Acid (%)	0622	29.909	0.09420	30.181	0.26949	0.14635	28	-1.01	0%	0
002.05	Protein, Copper, Boric Acid (%)	0941	29.920	0.24000	30.181	0.26949	0.14635	28	-0.97	0%	0
002.05	Protein, Copper, Boric Acid (%)	0620	29.925	0.20500	30.181	0.26949	0.14635	28	-0.95	0%	0
002.05	Protein, Copper, Boric Acid (%)	0596	29.950	0.46000	30.181	0.26949	0.14635	28	-0.86	0%	0
002.05	Protein, Copper, Boric Acid (%)	0674	29.980	0.00000	30.181	0.26949	0.14635	28	-0.75	0%	0
002.05	Protein, Copper, Boric Acid (%)	0619	30.000	0.00000	30.181	0.26949	0.14635	28	-0.67	0%	0
002.05	Protein, Copper, Boric Acid (%)	0683	30.000	0.18000	30.181	0.26949	0.14635	28	-0.67	0%	0
002.05	Protein, Copper, Boric Acid (%)	0881	30.002	0.01200	30.181	0.26949	0.14635	28	-0.66	0%	0
002.05	Protein, Copper, Boric Acid (%)	0885	30.035	0.02490	30.181	0.26949	0.14635	28	-0.54	0%	0
002.05	Protein, Copper, Boric Acid (%)	0651	30.080	0.09900	30.181	0.26949	0.14635	28	-0.38	0%	0
002.05	Protein, Copper, Boric Acid (%)	2145	30.115	0.23000	30.181	0.26949	0.14635	28	-0.24	0%	0
002.05	Protein, Copper, Boric Acid (%)	2144	30.130	0.10000	30.181	0.26949	0.14635	28	-0.19	0%	0
002.05	Protein, Copper, Boric Acid (%)	0552	30.200	0.04000	30.181	0.26949	0.14635	28	0.07	0%	0
002.05	Protein, Copper, Boric Acid (%)	0849	30.202	0.04400	30.181	0.26949	0.14635	28	0.08	0%	0
002.05	Protein, Copper, Boric Acid (%)	2022	30.215	0.03000	30.181	0.26949	0.14635	28	0.13	0%	0
002.05	Protein, Copper, Boric Acid (%)	0948	30.255	0.11000	30.181	0.26949	0.14635	28	0.28	0%	0
002.05	Protein, Copper, Boric Acid (%)	0939	30.280	0.06000	30.181	0.26949	0.14635	28	0.37	0%	0
002.05	Protein, Copper, Boric Acid (%)	2006	30.285	0.05000	30.181	0.26949	0.14635	28	0.39	0%	0

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002.05	Protein, Copper, Boric Acid (%)	0354	30.360	0.02000	30.181	0.26949	0.14635	28	0.66	0%	0
002.05	Protein, Copper, Boric Acid (%)	2012	30.370	0.06000	30.181	0.26949	0.14635	28	0.70	0%	0
002.05	Protein, Copper, Boric Acid (%)	0689	30.400	0.00000	30.181	0.26949	0.14635	28	0.81	0%	0
002.05	Protein, Copper, Boric Acid (%)	0897	30.490	0.02000	30.181	0.26949	0.14635	28	1.15	1%	0
002.05	Protein, Copper, Boric Acid (%)	0937	30.525	0.05000	30.181	0.26949	0.14635	28	1.28	1%	0
002.05	Protein, Copper, Boric Acid (%)	0852	30.690	0.08000	30.181	0.26949	0.14635	28	1.89	1%	0
002.05	Protein, Copper, Boric Acid (%)	0722	30.892	0.55860	30.181	0.26949	0.14635	28	2.64	1%	0
002.05	Protein, Copper, Boric Acid (%)	0955	30.900	0.40000	30.181	0.26949	0.14635	28	2.67	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0294	27.300	0.20000	30.607	0.29409	0.19555	130	-11.25	5%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0861	28.320	0.50000	30.607	0.29409	0.19555	130	-7.78	4%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0609	28.515	0.13000	30.607	0.29409	0.19555	130	-7.11	3%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0720	29.810	0.02000	30.607	0.29409	0.19555	130	-2.71	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0656	29.890	0.16000	30.607	0.29409	0.19555	130	-2.44	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0100	29.935	0.27000	30.607	0.29409	0.19555	130	-2.29	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0539	29.995	0.81000	30.607	0.29409	0.19555	130	-2.08	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0589	30.020	0.04000	30.607	0.29409	0.19555	130	-2.00	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0598	30.035	0.09000	30.607	0.29409	0.19555	130	-1.95	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0848	30.050	0.04000	30.607	0.29409	0.19555	130	-1.89	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0047	30.115	0.05000	30.607	0.29409	0.19555	130	-1.67	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0208	30.200	0.30000	30.607	0.29409	0.19555	130	-1.38	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2075	30.235	0.09000	30.607	0.29409	0.19555	130	-1.27	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2129	30.240	0.06000	30.607	0.29409	0.19555	130	-1.25	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0505	30.255	0.03000	30.607	0.29409	0.19555	130	-1.20	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0138	30.285	0.05300	30.607	0.29409	0.19555	130	-1.10	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0039	30.287	0.08600	30.607	0.29409	0.19555	130	-1.09	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0014	30.300	0.20000	30.607	0.29409	0.19555	130	-1.04	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2080	30.300	0.60000	30.607	0.29409	0.19555	130	-1.04	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0202	30.310	0.12000	30.607	0.29409	0.19555	130	-1.01	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0011	30.315	0.49000	30.607	0.29409	0.19555	130	-0.99	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0123	30.340	0.00000	30.607	0.29409	0.19555	130	-0.91	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0242	30.345	0.03000	30.607	0.29409	0.19555	130	-0.89	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0226	30.350	0.10000	30.607	0.29409	0.19555	130	-0.87	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0205	30.385	0.03000	30.607	0.29409	0.19555	130	-0.76	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0626	30.390	0.29000	30.607	0.29409	0.19555	130	-0.74	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0610	30.400	0.20000	30.607	0.29409	0.19555	130	-0.70	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0910	30.400	0.40000	30.607	0.29409	0.19555	130	-0.70	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0018	30.405	0.27000	30.607	0.29409	0.19555	130	-0.69	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0857	30.410	0.04000	30.607	0.29409	0.19555	130	-0.67	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0034	30.415	0.09300	30.607	0.29409	0.19555	130	-0.66	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0139	30.415	0.05000	30.607	0.29409	0.19555	130	-0.65	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0941	30.415	0.17000	30.607	0.29409	0.19555	130	-0.65	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 (%)	0554	30.420	0.16000	30.607	0.29409	0.19555	130	-0.64	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0590	30.425	0.05000	30.607	0.29409	0.19555	130	-0.62	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0229	30.430	0.16000	30.607	0.29409	0.19555	130	-0.60	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0918	30.430	0.12000	30.607	0.29409	0.19555	130	-0.60	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0003	30.443	0.16200	30.607	0.29409	0.19555	130	-0.56	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0957	30.445	0.13000	30.607	0.29409	0.19555	130	-0.55	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0619	30.450	0.10000	30.607	0.29409	0.19555	130	-0.53	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0009	30.460	0.00000	30.607	0.29409	0.19555	130	-0.50	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0571	30.464	0.11600	30.607	0.29409	0.19555	130	-0.49	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0164	30.470	0.08000	30.607	0.29409	0.19555	130	-0.47	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	1019	30.470	0.12000	30.607	0.29409	0.19555	130	-0.47	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0407	30.481	0.17100	30.607	0.29409	0.19555	130	-0.43	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0278	30.500	0.00000	30.607	0.29409	0.19555	130	-0.36	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0956	30.500	0.00000	30.607	0.29409	0.19555	130	-0.36	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0089	30.515	0.01000	30.607	0.29409	0.19555	130	-0.31	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0027	30.520	0.12000	30.607	0.29409	0.19555	130	-0.30	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0300	30.532	0.17100	30.607	0.29409	0.19555	130	-0.26	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0646	30.535	0.11000	30.607	0.29409	0.19555	130	-0.25	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0630	30.540	0.14000	30.607	0.29409	0.19555	130	-0.23	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0675	30.540	0.06000	30.607	0.29409	0.19555	130	-0.23	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0683	30.540	0.04000	30.607	0.29409	0.19555	130	-0.23	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0098	30.550	0.30000	30.607	0.29409	0.19555	130	-0.19	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0010	30.550	0.10000	30.607	0.29409	0.19555	130	-0.19	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0171	30.550	0.10000	30.607	0.29409	0.19555	130	-0.19	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0948	30.555	0.05000	30.607	0.29409	0.19555	130	-0.18	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0108	30.570	0.36000	30.607	0.29409	0.19555	130	-0.13	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0004	30.575	0.33000	30.607	0.29409	0.19555	130	-0.11	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0142	30.575	0.15000	30.607	0.29409	0.19555	130	-0.11	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0042	30.580	0.32000	30.607	0.29409	0.19555	130	-0.09	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0870	30.589	0.40370	30.607	0.29409	0.19555	130	-0.06	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0357	30.594	0.06250	30.607	0.29409	0.19555	130	-0.05	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0033	30.600	0.40000	30.607	0.29409	0.19555	130	-0.02	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0880	30.605	0.01000	30.607	0.29409	0.19555	130	-0.01	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2150	30.605	0.35000	30.607	0.29409	0.19555	130	-0.01	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0148	30.610	0.24000	30.607	0.29409	0.19555	130	0.01	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0843	30.610	0.20000	30.607	0.29409	0.19555	130	0.01	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0676	30.615	0.09000	30.607	0.29409	0.19555	130	0.03	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2057	30.624	0.09100	30.607	0.29409	0.19555	130	0.06	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0037	30.630	0.30000	30.607	0.29409	0.19555	130	0.08	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2095	30.635	0.05000	30.607	0.29409	0.19555	130	0.09	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0051	30.650	0.10000	30.607	0.29409	0.19555	130	0.15	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 (%)	0035	30.655	0.07000	30.607	0.29409	0.19555	130	0.16	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0309	30.657	0.29000	30.607	0.29409	0.19555	130	0.17	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0354	30.665	0.05000	30.607	0.29409	0.19555	130	0.20	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0596	30.665	0.07000	30.607	0.29409	0.19555	130	0.20	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0074	30.675	0.61000	30.607	0.29409	0.19555	130	0.23	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0904	30.675	0.15000	30.607	0.29409	0.19555	130	0.23	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0298	30.680	0.02000	30.607	0.29409	0.19555	130	0.25	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0049	30.685	0.67000	30.607	0.29409	0.19555	130	0.26	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0512	30.690	0.04000	30.607	0.29409	0.19555	130	0.28	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0019	30.695	0.17000	30.607	0.29409	0.19555	130	0.30	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0345	30.700	0.20000	30.607	0.29409	0.19555	130	0.32	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0036	30.705	0.07000	30.607	0.29409	0.19555	130	0.33	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0939	30.720	0.26000	30.607	0.29409	0.19555	130	0.38	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0265	30.730	0.02000	30.607	0.29409	0.19555	130	0.42	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0964	30.737	0.46800	30.607	0.29409	0.19555	130	0.44	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0510	30.750	0.10000	30.607	0.29409	0.19555	130	0.49	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0687	30.750	0.50000	30.607	0.29409	0.19555	130	0.49	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0692	30.750	0.10000	30.607	0.29409	0.19555	130	0.49	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0026	30.783	0.06700	30.607	0.29409	0.19555	130	0.60	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0581	30.785	0.47000	30.607	0.29409	0.19555	130	0.60	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0693	30.786	0.10250	30.607	0.29409	0.19555	130	0.61	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2089	30.790	0.00000	30.607	0.29409	0.19555	130	0.62	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0083	30.800	0.20000	30.607	0.29409	0.19555	130	0.66	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0175	30.800	0.20000	30.607	0.29409	0.19555	130	0.66	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0413	30.800	0.20000	30.607	0.29409	0.19555	130	0.66	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0233	30.800	0.24000	30.607	0.29409	0.19555	130	0.66	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0884	30.800	0.40000	30.607	0.29409	0.19555	130	0.66	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0613	30.815	0.07000	30.607	0.29409	0.19555	130	0.71	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2053	30.815	0.07000	30.607	0.29409	0.19555	130	0.71	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0001	30.830	0.36000	30.607	0.29409	0.19555	130	0.76	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0043	30.840	0.06000	30.607	0.29409	0.19555	130	0.79	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0876	30.850	0.04000	30.607	0.29409	0.19555	130	0.83	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0650	30.860	0.18000	30.607	0.29409	0.19555	130	0.86	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0425	30.875	0.15000	30.607	0.29409	0.19555	130	0.91	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0541	30.875	0.19000	30.607	0.29409	0.19555	130	0.91	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0726	30.885	0.01000	30.607	0.29409	0.19555	130	0.94	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0045	30.900	0.20000	30.607	0.29409	0.19555	130	1.00	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0190	30.920	0.20000	30.607	0.29409	0.19555	130	1.06	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0574	30.960	0.18000	30.607	0.29409	0.19555	130	1.20	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0144	30.965	0.01000	30.607	0.29409	0.19555	130	1.22	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0353	30.980	0.30000	30.607	0.29409	0.19555	130	1.27	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
002.06	Protein, Combustion Nitrogen Analyzer (%)	0504	30.985	0.31000	30.607	0.29409	0.19555	130	1.28	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0563	31.019	0.21300	30.607	0.29409	0.19555	130	1.40	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0366	31.050	0.90000	30.607	0.29409	0.19555	130	1.51	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0953	31.080	0.82000	30.607	0.29409	0.19555	130	1.61	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0529	31.085	0.09000	30.607	0.29409	0.19555	130	1.62	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0511	31.095	0.21000	30.607	0.29409	0.19555	130	1.66	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2006	31.160	0.32000	30.607	0.29409	0.19555	130	1.88	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0618	31.245	0.21000	30.607	0.29409	0.19555	130	2.17	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0615	31.370	0.86000	30.607	0.29409	0.19555	130	2.59	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0682	31.420	0.00000	30.607	0.29409	0.19555	130	2.76	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2059	31.503	0.38120	30.607	0.29409	0.19555	130	3.05	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0297	31.630	0.06000	30.607	0.29409	0.19555	130	3.48	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0955	31.700	0.40000	30.607	0.29409	0.19555	130	3.72	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2012	31.780	0.12000	30.607	0.29409	0.19555	130	3.99	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0872	31.995	0.73000	30.607	0.29409	0.19555	130	4.72	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0358	30.985	1.3700	30.607	0.29409	0.19555	130	1.28	1%	1
002.06	Protein, Combustion Nitrogen Analyzer (%)	0859	35.607	0.11800	30.607	0.29409	0.19555	130	17.00	8%	2
002.08	Protein, Cu/Ti (%)	0208	29.900	0.00000				3			0
002.08	Protein, Cu/Ti (%)	0563	29.942	0.06200				3			0
002.08	Protein, Cu/Ti (%)	0098	30.140	0.50000				3			0
002.10	Protein, Block dig/distillation (%)	0629	30.275	0.07000				1			0
002.11	Protein, NIR (%)	0852	33.110	0.12000	36.268	3.9806	0.21000	7	-0.79	4%	0
002.11	Protein, NIR (%)	2121	33.450	0.42000	36.268	3.9806	0.21000	7	-0.71	4%	0
002.11	Protein, NIR (%)	2120	33.650	0.34000	36.268	3.9806	0.21000	7	-0.66	4%	0
002.11	Protein, NIR (%)	0889	34.375	0.01000	36.268	3.9806	0.21000	7	-0.48	3%	0
002.11	Protein, NIR (%)	0613	38.270	0.52000	36.268	3.9806	0.21000	7	0.50	3%	0
002.11	Protein, NIR (%)	2128	38.841	0.00000	36.268	3.9806	0.21000	7	0.65	4%	0
002.11	Protein, NIR (%)	0720	42.180	0.06000	36.268	3.9806	0.21000	7	1.49	8%	0
002.99	Protein, Miscellaneous (%)	0644	29.865	0.09000	30.305	0.46992	0.20400	5	-0.94	1%	0
002.99	Protein, Miscellaneous (%)	2004	30.250	0.10000	30.305	0.46992	0.20400	5	-0.12	0%	0
002.99	Protein, Miscellaneous (%)	2105	30.800	0.00000	30.305	0.46992	0.20400	5	1.05	1%	0
002.99	Protein, Miscellaneous (%)	0643	30.980	0.74000	30.305	0.46992	0.20400	5	1.44	1%	0
002.99	Protein, Miscellaneous (%)	0681	36.525	0.09000	30.305	0.46992	0.20400	5	13.24	10%	0
003.00	Fat, Eth Ext., Direct (%)	0142	1.4700	0.00000	1.9801	0.28751	0.10707	15	-1.77	13%	0
003.00	Fat, Eth Ext., Direct (%)	0175	1.5900	0.36000	1.9801	0.28751	0.10707	15	-1.36	10%	0
003.00	Fat, Eth Ext., Direct (%)	0615	1.6700	0.08000	1.9801	0.28751	0.10707	15	-1.08	8%	0
003.00	Fat, Eth Ext., Direct (%)	2053	1.7800	0.00000	1.9801	0.28751	0.10707	15	-0.70	5%	0
003.00	Fat, Eth Ext., Direct (%)	0884	1.8000	0.20000	1.9801	0.28751	0.10707	15	-0.63	5%	0
003.00	Fat, Eth Ext., Direct (%)	0939	1.8900	0.08000	1.9801	0.28751	0.10707	15	-0.31	2%	0
003.00	Fat, Eth Ext., Direct (%)	2106	1.9850	0.17000	1.9801	0.28751	0.10707	15	0.02	0%	0
003.00	Fat, Eth Ext., Direct (%)	0026	2.0650	0.03000	1.9801	0.28751	0.10707	15	0.30	2%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
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003.00	Fat, Eth Ext., Direct (%)	0032	2.0950	0.03000	1.9801	0.28751	0.10707	15	0.40	3%	0
003.00	Fat, Eth Ext., Direct (%)	0345	2.1000	0.10000	1.9801	0.28751	0.10707	15	0.42	3%	0
003.00	Fat, Eth Ext., Direct (%)	0885	2.1040	0.06240	1.9801	0.28751	0.10707	15	0.43	3%	0
003.00	Fat, Eth Ext., Direct (%)	0309	2.2486	0.20370	1.9801	0.28751	0.10707	15	0.93	7%	0
003.00	Fat, Eth Ext., Direct (%)	0596	2.2550	0.21000	1.9801	0.28751	0.10707	15	0.96	7%	0
003.00	Fat, Eth Ext., Direct (%)	0354	2.2600	0.04000	1.9801	0.28751	0.10707	15	0.97	7%	0
003.00	Fat, Eth Ext., Direct (%)	2109	2.3100	0.04000	1.9801	0.28751	0.10707	15	1.15	8%	0
003.06	Fat, Pet Ether (%)	0552	1.5650	0.05000	2.0254	0.29330	0.07321	18	-1.57	11%	0
003.06	Fat, Pet Ether (%)	0563	1.5951	0.04480	2.0254	0.29330	0.07321	18	-1.47	11%	0
003.06	Fat, Pet Ether (%)	0083	1.7500	0.00000	2.0254	0.29330	0.07321	18	-0.94	7%	0
003.06	Fat, Pet Ether (%)	0294	1.8050	0.01000	2.0254	0.29330	0.07321	18	-0.75	5%	0
003.06	Fat, Pet Ether (%)	0425	1.9000	0.08000	2.0254	0.29330	0.07321	18	-0.43	3%	0
003.06	Fat, Pet Ether (%)	0164	1.9050	0.09000	2.0254	0.29330	0.07321	18	-0.41	3%	0
003.06	Fat, Pet Ether (%)	0300	1.9065	0.19300	2.0254	0.29330	0.07321	18	-0.41	3%	0
003.06	Fat, Pet Ether (%)	0689	1.9500	0.10000	2.0254	0.29330	0.07321	18	-0.26	2%	0
003.06	Fat, Pet Ether (%)	0687	2.0000	0.20000	2.0254	0.29330	0.07321	18	-0.09	1%	0
003.06	Fat, Pet Ether (%)	0297	2.0150	0.03000	2.0254	0.29330	0.07321	18	-0.04	0%	0
003.06	Fat, Pet Ether (%)	0682	2.0700	0.00000	2.0254	0.29330	0.07321	18	0.15	1%	0
003.06	Fat, Pet Ether (%)	0910	2.1250	0.01000	2.0254	0.29330	0.07321	18	0.34	2%	0
003.06	Fat, Pet Ether (%)	0148	2.1500	0.00000	2.0254	0.29330	0.07321	18	0.42	3%	0
003.06	Fat, Pet Ether (%)	0918	2.2100	0.06000	2.0254	0.29330	0.07321	18	0.63	5%	0
003.06	Fat, Pet Ether (%)	0229	2.2300	0.04000	2.0254	0.29330	0.07321	18	0.70	5%	0
003.06	Fat, Pet Ether (%)	0511	2.3300	0.10000	2.0254	0.29330	0.07321	18	1.04	8%	0
003.06	Fat, Pet Ether (%)	0852	2.4750	0.25000	2.0254	0.29330	0.07321	18	1.53	11%	0
003.06	Fat, Pet Ether (%)	0074	3.1100	0.06000	2.0254	0.29330	0.07321	18	3.70	27%	0
003.09	Fat, Soxtec, Eth Ext (%)	0675	1.5000	0.06000	2.1910	0.44053	0.07435	17	-1.57	16%	0
003.09	Fat, Soxtec, Eth Ext (%)	0723	1.7400	0.00000	2.1910	0.44053	0.07435	17	-1.02	10%	0
003.09	Fat, Soxtec, Eth Ext (%)	2012	1.7850	0.21000	2.1910	0.44053	0.07435	17	-0.92	9%	0
003.09	Fat, Soxtec, Eth Ext (%)	0098	1.7900	0.06000	2.1910	0.44053	0.07435	17	-0.91	9%	0
003.09	Fat, Soxtec, Eth Ext (%)	0674	1.9500	0.00000	2.1910	0.44053	0.07435	17	-0.55	6%	0
003.09	Fat, Soxtec, Eth Ext (%)	0354	1.9700	0.00000	2.1910	0.44053	0.07435	17	-0.50	5%	0
003.09	Fat, Soxtec, Eth Ext (%)	0653	2.0050	0.01000	2.1910	0.44053	0.07435	17	-0.42	4%	0
003.09	Fat, Soxtec, Eth Ext (%)	0505	2.1400	0.08000	2.1910	0.44053	0.07435	17	-0.12	1%	0
003.09	Fat, Soxtec, Eth Ext (%)	0226	2.1500	0.10000	2.1910	0.44053	0.07435	17	-0.09	1%	0
003.09	Fat, Soxtec, Eth Ext (%)	0948	2.1600	0.10000	2.1910	0.44053	0.07435	17	-0.07	1%	0
003.09	Fat, Soxtec, Eth Ext (%)	0152	2.2500	0.10000	2.1910	0.44053	0.07435	17	0.13	1%	0
003.09	Fat, Soxtec, Eth Ext (%)	0685	2.3600	0.10000	2.1910	0.44053	0.07435	17	0.38	4%	0
003.09	Fat, Soxtec, Eth Ext (%)	0656	2.4950	0.23000	2.1910	0.44053	0.07435	17	0.69	7%	0
003.09	Fat, Soxtec, Eth Ext (%)	0722	2.6522	0.09400	2.1910	0.44053	0.07435	17	1.05	11%	0
003.09	Fat, Soxtec, Eth Ext (%)	0353	2.7100	0.02000	2.1910	0.44053	0.07435	17	1.18	12%	0
003.09	Fat, Soxtec, Eth Ext (%)	0510	2.7500	0.10000	2.1910	0.44053	0.07435	17	1.27	13%	0



Test Material Code # 201629

Method Proficiency Testing Report

Issue Date : 10/31/2016

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 (%)	0630	2.8100	0.00000	2.1910	0.44053	0.07435	17	1.41	14%	0
003.09	Fat, Soxtec, Eth Ext (%)	0590	2.4250	0.45000	2.1910	0.44053	0.07435	17	0.53	5%	1
003.10	Fat, Soxtec, Pet Ether (%)	0870	1.3002	0.04290	1.7451	0.30546	0.09262	24	-1.46	13%	0
003.10	Fat, Soxtec, Pet Ether (%)	0720	1.3350	0.01000	1.7451	0.30546	0.09262	24	-1.34	12%	0
003.10	Fat, Soxtec, Pet Ether (%)	2073	1.4000	0.06000	1.7451	0.30546	0.09262	24	-1.13	10%	0
003.10	Fat, Soxtec, Pet Ether (%)	0051	1.4500	0.10000	1.7451	0.30546	0.09262	24	-0.97	8%	0
003.10	Fat, Soxtec, Pet Ether (%)	0619	1.5100	0.20000	1.7451	0.30546	0.09262	24	-0.77	7%	0
003.10	Fat, Soxtec, Pet Ether (%)	0553	1.5150	0.01000	1.7451	0.30546	0.09262	24	-0.75	7%	0
003.10	Fat, Soxtec, Pet Ether (%)	0098	1.5200	0.00000	1.7451	0.30546	0.09262	24	-0.74	6%	0
003.10	Fat, Soxtec, Pet Ether (%)	0861	1.5400	0.12000	1.7451	0.30546	0.09262	24	-0.67	6%	0
003.10	Fat, Soxtec, Pet Ether (%)	0100	1.6200	0.10000	1.7451	0.30546	0.09262	24	-0.41	4%	0
003.10	Fat, Soxtec, Pet Ether (%)	2022	1.6550	0.05000	1.7451	0.30546	0.09262	24	-0.29	3%	0
003.10	Fat, Soxtec, Pet Ether (%)	0242	1.7050	0.01000	1.7451	0.30546	0.09262	24	-0.13	1%	0
003.10	Fat, Soxtec, Pet Ether (%)	0541	1.7100	0.32000	1.7451	0.30546	0.09262	24	-0.11	1%	0
003.10	Fat, Soxtec, Pet Ether (%)	0042	1.7850	0.23000	1.7451	0.30546	0.09262	24	0.13	1%	0
003.10	Fat, Soxtec, Pet Ether (%)	0233	1.7950	0.25000	1.7451	0.30546	0.09262	24	0.16	1%	0
003.10	Fat, Soxtec, Pet Ether (%)	0728	1.8400	0.06000	1.7451	0.30546	0.09262	24	0.31	3%	0
003.10	Fat, Soxtec, Pet Ether (%)	0366	1.8500	0.30000	1.7451	0.30546	0.09262	24	0.34	3%	0
003.10	Fat, Soxtec, Pet Ether (%)	0689	1.8500	0.10000	1.7451	0.30546	0.09262	24	0.34	3%	0
003.10	Fat, Soxtec, Pet Ether (%)	0045	1.8800	0.04000	1.7451	0.30546	0.09262	24	0.44	4%	0
003.10	Fat, Soxtec, Pet Ether (%)	0629	1.9650	0.03000	1.7451	0.30546	0.09262	24	0.72	6%	0
003.10	Fat, Soxtec, Pet Ether (%)	0889	2.0300	0.02000	1.7451	0.30546	0.09262	24	0.93	8%	0
003.10	Fat, Soxtec, Pet Ether (%)	0298	2.1100	0.02000	1.7451	0.30546	0.09262	24	1.19	10%	0
003.10	Fat, Soxtec, Pet Ether (%)	0676	2.1100	0.02000	1.7451	0.30546	0.09262	24	1.19	10%	0
003.10	Fat, Soxtec, Pet Ether (%)	0609	2.2200	0.10000	1.7451	0.30546	0.09262	24	1.55	14%	0
003.10	Fat, Soxtec, Pet Ether (%)	0651	2.4940	0.03000	1.7451	0.30546	0.09262	24	2.45	21%	0
003.10	Fat, Soxtec, Pet Ether (%)	0693	1.8378	0.55390	1.7451	0.30546	0.09262	24	0.30	3%	1
003.11	Fat, NIR (%)	0720	2.0200	0.02000	2.9563	0.82324	0.07333	6	-1.14	16%	0
003.11	Fat, NIR (%)	0889	2.3200	0.16000	2.9563	0.82324	0.07333	6	-0.77	11%	0
003.11	Fat, NIR (%)	0613	2.8400	0.02000	2.9563	0.82324	0.07333	6	-0.14	2%	0
003.11	Fat, NIR (%)	0852	3.1500	0.24000	2.9563	0.82324	0.07333	6	0.24	3%	0
003.11	Fat, NIR (%)	2135	3.4000	0.00000	2.9563	0.82324	0.07333	6	0.54	8%	0
003.11	Fat, NIR (%)	2128	4.0078	0.00000	2.9563	0.82324	0.07333	6	1.28	18%	0
003.12	Fat, Hexane Ext (%)	0940	1.5750	0.15000				3			0
003.12	Fat, Hexane Ext (%)	0897	1.5750	0.01000				3			0
003.12	Fat, Hexane Ext (%)	0171	1.7800	0.12000				3			0
003.13	Fat, Soxtec, Hexane Ext. (%)	2089	1.5200	0.08000	1.9352	0.34814	0.05870	10	-1.19	11%	0
003.13	Fat, Soxtec, Hexane Ext. (%)	0033	1.6150	0.01000	1.9352	0.34814	0.05870	10	-0.92	8%	0
003.13	Fat, Soxtec, Hexane Ext. (%)	0098	1.6300	0.06000	1.9352	0.34814	0.05870	10	-0.88	8%	0
003.13	Fat, Soxtec, Hexane Ext. (%)	0205	1.7295	0.01700	1.9352	0.34814	0.05870	10	-0.59	5%	0
003.13	Fat, Soxtec, Hexane Ext. (%)	0187	1.9650	0.01000	1.9352	0.34814	0.05870	10	0.09	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	
003.13	Fat, Soxtec, Hexane Ext. (%)	0123	1.9900	0.04000	1.9352	0.34814	0.05870	10	0.16	1%	0
003.13	Fat, Soxtec, Hexane Ext. (%)	0646	2.0500	0.20000	1.9352	0.34814	0.05870	10	0.33	3%	0
003.13	Fat, Soxtec, Hexane Ext. (%)	2006	2.1250	0.01000	1.9352	0.34814	0.05870	10	0.55	5%	0
003.13	Fat, Soxtec, Hexane Ext. (%)	0681	2.2700	0.12000	1.9352	0.34814	0.05870	10	0.96	9%	0
003.13	Fat, Soxtec, Hexane Ext. (%)	0011	2.9400	0.04000	1.9352	0.34814	0.05870	10	2.89	26%	0
003.13	Fat, Soxtec, Hexane Ext. (%)	0208	1.5200	0.54000	1.9352	0.34814	0.05870	10	-1.19	11%	1
003.14	Fat, Ankom (%)	0175	1.4300	0.02000	1.8441	0.25424	0.12623	41	-1.63	11%	0
003.14	Fat, Ankom (%)	0613	1.4550	0.33000	1.8441	0.25424	0.12623	41	-1.53	11%	0
003.14	Fat, Ankom (%)	0202	1.4900	0.00000	1.8441	0.25424	0.12623	41	-1.39	10%	0
003.14	Fat, Ankom (%)	0358	1.5150	0.01000	1.8441	0.25424	0.12623	41	-1.29	9%	0
003.14	Fat, Ankom (%)	0037	1.5200	0.02000	1.8441	0.25424	0.12623	41	-1.27	9%	0
003.14	Fat, Ankom (%)	0034	1.6450	0.31000	1.8441	0.25424	0.12623	41	-0.78	5%	0
003.14	Fat, Ankom (%)	0049	1.6450	0.21000	1.8441	0.25424	0.12623	41	-0.78	5%	0
003.14	Fat, Ankom (%)	0683	1.6650	0.23000	1.8441	0.25424	0.12623	41	-0.70	5%	0
003.14	Fat, Ankom (%)	0912	1.6850	0.01000	1.8441	0.25424	0.12623	41	-0.63	4%	0
003.14	Fat, Ankom (%)	2129	1.6850	0.13000	1.8441	0.25424	0.12623	41	-0.63	4%	0
003.14	Fat, Ankom (%)	0019	1.7200	0.06000	1.8441	0.25424	0.12623	41	-0.49	3%	0
003.14	Fat, Ankom (%)	0574	1.7300	0.20000	1.8441	0.25424	0.12623	41	-0.45	3%	0
003.14	Fat, Ankom (%)	0066	1.7500	0.10000	1.8441	0.25424	0.12623	41	-0.37	3%	0
003.14	Fat, Ankom (%)	0278	1.7500	0.10000	1.8441	0.25424	0.12623	41	-0.37	3%	0
003.14	Fat, Ankom (%)	0956	1.7500	0.10000	1.8441	0.25424	0.12623	41	-0.37	3%	0
003.14	Fat, Ankom (%)	0937	1.7550	0.03000	1.8441	0.25424	0.12623	41	-0.35	2%	0
003.14	Fat, Ankom (%)	0968	1.7685	0.22900	1.8441	0.25424	0.12623	41	-0.30	2%	0
003.14	Fat, Ankom (%)	0144	1.7700	0.24000	1.8441	0.25424	0.12623	41	-0.29	2%	0
003.14	Fat, Ankom (%)	0598	1.7950	0.25000	1.8441	0.25424	0.12623	41	-0.19	1%	0
003.14	Fat, Ankom (%)	0357	1.8000	0.00000	1.8441	0.25424	0.12623	41	-0.17	1%	0
003.14	Fat, Ankom (%)	0265	1.8100	0.14000	1.8441	0.25424	0.12623	41	-0.13	1%	0
003.14	Fat, Ankom (%)	0009	1.8250	0.01000	1.8441	0.25424	0.12623	41	-0.08	1%	0
003.14	Fat, Ankom (%)	0229	1.8250	0.07000	1.8441	0.25424	0.12623	41	-0.08	1%	0
003.14	Fat, Ankom (%)	0948	1.8250	0.09000	1.8441	0.25424	0.12623	41	-0.08	1%	0
003.14	Fat, Ankom (%)	0004	1.8400	0.08000	1.8441	0.25424	0.12623	41	-0.02	0%	0
003.14	Fat, Ankom (%)	0108	1.8500	0.14000	1.8441	0.25424	0.12623	41	0.02	0%	0
003.14	Fat, Ankom (%)	0001	1.8805	0.11300	1.8441	0.25424	0.12623	41	0.14	1%	0
003.14	Fat, Ankom (%)	0089	1.8900	0.00000	1.8441	0.25424	0.12623	41	0.18	1%	0
003.14	Fat, Ankom (%)	0581	1.9050	0.39000	1.8441	0.25424	0.12623	41	0.24	2%	0
003.14	Fat, Ankom (%)	0413	1.9500	0.10000	1.8441	0.25424	0.12623	41	0.42	3%	0
003.14	Fat, Ankom (%)	2075	1.9800	0.02000	1.8441	0.25424	0.12623	41	0.53	4%	0
003.14	Fat, Ankom (%)	0015	2.0100	0.00000	1.8441	0.25424	0.12623	41	0.65	4%	0
003.14	Fat, Ankom (%)	0407	2.0358	0.10340	1.8441	0.25424	0.12623	41	0.75	5%	0
003.14	Fat, Ankom (%)	0843	2.1050	0.01000	1.8441	0.25424	0.12623	41	1.03	7%	0
003.14	Fat, Ankom (%)	0876	2.1950	0.21000	1.8441	0.25424	0.12623	41	1.38	10%	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	
003.14	Fat, Ankom (%)	0692	2.2000	0.40000	1.8441	0.25424	0.12623	41	1.40	10%	0
003.14	Fat, Ankom (%)	0848	2.2150	0.25000	1.8441	0.25424	0.12623	41	1.46	10%	0
003.14	Fat, Ankom (%)	0619	2.3250	0.03000	1.8441	0.25424	0.12623	41	1.89	13%	0
003.14	Fat, Ankom (%)	0726	2.3450	0.07000	1.8441	0.25424	0.12623	41	1.97	14%	0
003.14	Fat, Ankom (%)	0003	2.6050	0.31000	1.8441	0.25424	0.12623	41	2.99	21%	0
003.14	Fat, Ankom (%)	0190	2.7100	0.06000	1.8441	0.25424	0.12623	41	3.41	23%	0
003.14	Fat, Ankom (%)	0529	8.3950	0.21000	1.8441	0.25424	0.12623	41	25.77	178%	2
003.99	Fat, Miscellaneous (%)	0644	1.6600	0.04000				3			0
003.99	Fat, Miscellaneous (%)	0047	2.1200	0.00000				3			0
003.99	Fat, Miscellaneous (%)	1019	4.2600	0.06000				3			0
004.00	Fiber, Crude, Asbestos Free (%)	2073	7.4900	0.18000	8.0378	0.41334	0.15383	16	-1.33	3%	0
004.00	Fiber, Crude, Asbestos Free (%)	0681	7.5200	0.02000	8.0378	0.41334	0.15383	16	-1.25	3%	0
004.00	Fiber, Crude, Asbestos Free (%)	0175	7.6200	0.04000	8.0378	0.41334	0.15383	16	-1.01	3%	0
004.00	Fiber, Crude, Asbestos Free (%)	0345	7.6550	0.31000	8.0378	0.41334	0.15383	16	-0.93	2%	0
004.00	Fiber, Crude, Asbestos Free (%)	0425	7.7500	0.10000	8.0378	0.41334	0.15383	16	-0.70	2%	0
004.00	Fiber, Crude, Asbestos Free (%)	2004	7.9750	0.09000	8.0378	0.41334	0.15383	16	-0.15	0%	0
004.00	Fiber, Crude, Asbestos Free (%)	0164	8.0000	0.00000	8.0378	0.41334	0.15383	16	-0.09	0%	0
004.00	Fiber, Crude, Asbestos Free (%)	0298	8.0100	0.02000	8.0378	0.41334	0.15383	16	-0.07	0%	0
004.00	Fiber, Crude, Asbestos Free (%)	0884	8.0500	0.50000	8.0378	0.41334	0.15383	16	0.03	0%	0
004.00	Fiber, Crude, Asbestos Free (%)	0169	8.1450	0.05000	8.0378	0.41334	0.15383	16	0.26	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	0309	8.1569	0.36130	8.0378	0.41334	0.15383	16	0.29	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	0208	8.2400	0.12000	8.0378	0.41334	0.15383	16	0.49	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	0171	8.2900	0.26000	8.0378	0.41334	0.15383	16	0.61	2%	0
004.00	Fiber, Crude, Asbestos Free (%)	0511	8.4000	0.20000	8.0378	0.41334	0.15383	16	0.88	2%	0
004.00	Fiber, Crude, Asbestos Free (%)	0354	8.6450	0.01000	8.0378	0.41334	0.15383	16	1.47	4%	0
004.00	Fiber, Crude, Asbestos Free (%)	0226	9.0000	0.20000	8.0378	0.41334	0.15383	16	2.33	6%	0
004.00	Fiber, Crude, Asbestos Free (%)	0596	7.5650	1.1500	8.0378	0.41334	0.15383	16	-1.14	3%	1
004.01	Fiber, Sing Filt (%)	0045	8.1900	0.38000				2			0
004.01	Fiber, Sing Filt (%)	0366	8.8000	1.4000				2			0
004.03	Fiber, Fritted Glass (%)	2089	5.0000	0.22000	7.4026	1.6988	0.29972	5	-1.41	16%	0
004.03	Fiber, Fritted Glass (%)	0921	6.9800	0.00000	7.4026	1.6988	0.29972	5	-0.25	3%	0
004.03	Fiber, Fritted Glass (%)	0353	7.5100	0.30000	7.4026	1.6988	0.29972	5	0.06	1%	0
004.03	Fiber, Fritted Glass (%)	0626	7.7900	0.58000	7.4026	1.6988	0.29972	5	0.23	3%	0
004.03	Fiber, Fritted Glass (%)	0693	9.7331	0.39860	7.4026	1.6988	0.29972	5	1.37	16%	0
004.06	Fiber, Fibertec (%)	0676	7.2950	0.15000	7.7811	0.37383	0.11743	23	-1.30	3%	0
004.06	Fiber, Fibertec (%)	0720	7.3300	0.14000	7.7811	0.37383	0.11743	23	-1.21	3%	0
004.06	Fiber, Fibertec (%)	2080	7.4200	0.10000	7.7811	0.37383	0.11743	23	-0.97	2%	0
004.06	Fiber, Fibertec (%)	0689	7.4500	0.10000	7.7811	0.37383	0.11743	23	-0.89	2%	0
004.06	Fiber, Fibertec (%)	0918	7.4550	0.03000	7.7811	0.37383	0.11743	23	-0.87	2%	0
004.06	Fiber, Fibertec (%)	0941	7.5500	0.12000	7.7811	0.37383	0.11743	23	-0.62	1%	0
004.06	Fiber, Fibertec (%)	0098	7.5550	0.17000	7.7811	0.37383	0.11743	23	-0.60	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	
004.06	Fiber, Fibertec (%)	2022	7.5650	0.05000	7.7811	0.37383	0.11743	23	-0.58	1%	0
004.06	Fiber, Fibertec (%)	0590	7.6000	0.40000	7.7811	0.37383	0.11743	23	-0.48	1%	0
004.06	Fiber, Fibertec (%)	0027	7.6700	0.06000	7.7811	0.37383	0.11743	23	-0.30	1%	0
004.06	Fiber, Fibertec (%)	0675	7.6800	0.20000	7.7811	0.37383	0.11743	23	-0.27	1%	0
004.06	Fiber, Fibertec (%)	0885	7.7148	0.04090	7.7811	0.37383	0.11743	23	-0.18	0%	0
004.06	Fiber, Fibertec (%)	0897	7.7300	0.02000	7.7811	0.37383	0.11743	23	-0.14	0%	0
004.06	Fiber, Fibertec (%)	0205	7.7650	0.05000	7.7811	0.37383	0.11743	23	-0.04	0%	0
004.06	Fiber, Fibertec (%)	0968	7.8390	0.06000	7.7811	0.37383	0.11743	23	0.15	0%	0
004.06	Fiber, Fibertec (%)	0674	7.9300	0.00000	7.7811	0.37383	0.11743	23	0.40	1%	0
004.06	Fiber, Fibertec (%)	0656	7.9800	0.10000	7.7811	0.37383	0.11743	23	0.53	1%	0
004.06	Fiber, Fibertec (%)	0723	8.1117	0.00000	7.7811	0.37383	0.11743	23	0.88	2%	0
004.06	Fiber, Fibertec (%)	0948	8.1300	0.10000	7.7811	0.37383	0.11743	23	0.93	2%	0
004.06	Fiber, Fibertec (%)	2006	8.1700	0.16000	7.7811	0.37383	0.11743	23	1.04	2%	0
004.06	Fiber, Fibertec (%)	0728	8.3550	0.31000	7.7811	0.37383	0.11743	23	1.54	4%	0
004.06	Fiber, Fibertec (%)	0964	8.4850	0.17000	7.7811	0.37383	0.11743	23	1.88	5%	0
004.06	Fiber, Fibertec (%)	0609	9.1250	0.17000	7.7811	0.37383	0.11743	23	3.59	9%	0
004.07	Fiber, ANKOM (%)	0529	1.8650	0.27000	9.6277	2.1367	0.35911	58	-3.63	40%	0
004.07	Fiber, ANKOM (%)	2012	5.6700	0.06000	9.6277	2.1367	0.35911	58	-1.85	21%	0
004.07	Fiber, ANKOM (%)	0644	6.2340	0.16800	9.6277	2.1367	0.35911	58	-1.59	18%	0
004.07	Fiber, ANKOM (%)	0123	6.3450	0.27000	9.6277	2.1367	0.35911	58	-1.54	17%	0
004.07	Fiber, ANKOM (%)	0904	6.5600	0.06000	9.6277	2.1367	0.35911	58	-1.44	16%	0
004.07	Fiber, ANKOM (%)	0505	6.5750	0.09000	9.6277	2.1367	0.35911	58	-1.43	16%	0
004.07	Fiber, ANKOM (%)	0619	6.7900	0.40000	9.6277	2.1367	0.35911	58	-1.33	15%	0
004.07	Fiber, ANKOM (%)	0035	7.4950	0.07000	9.6277	2.1367	0.35911	58	-1.00	11%	0
004.07	Fiber, ANKOM (%)	0294	7.6000	0.00000	9.6277	2.1367	0.35911	58	-0.95	11%	0
004.07	Fiber, ANKOM (%)	0910	7.6000	0.20000	9.6277	2.1367	0.35911	58	-0.95	11%	0
004.07	Fiber, ANKOM (%)	0413	7.6500	0.30000	9.6277	2.1367	0.35911	58	-0.93	10%	0
004.07	Fiber, ANKOM (%)	0026	7.9000	0.88000	9.6277	2.1367	0.35911	58	-0.81	9%	0
004.07	Fiber, ANKOM (%)	0028	8.0000	0.40000	9.6277	2.1367	0.35911	58	-0.76	8%	0
004.07	Fiber, ANKOM (%)	0682	8.0000	0.00000	9.6277	2.1367	0.35911	58	-0.76	8%	0
004.07	Fiber, ANKOM (%)	0643	8.3850	0.07000	9.6277	2.1367	0.35911	58	-0.58	6%	0
004.07	Fiber, ANKOM (%)	0098	8.4950	0.51000	9.6277	2.1367	0.35911	58	-0.53	6%	0
004.07	Fiber, ANKOM (%)	0265	8.5050	0.25000	9.6277	2.1367	0.35911	58	-0.53	6%	0
004.07	Fiber, ANKOM (%)	0003	8.5700	1.5200	9.6277	2.1367	0.35911	58	-0.50	5%	0
004.07	Fiber, ANKOM (%)	0849	8.6665	0.04700	9.6277	2.1367	0.35911	58	-0.45	5%	0
004.07	Fiber, ANKOM (%)	2053	8.7800	0.14000	9.6277	2.1367	0.35911	58	-0.40	4%	0
004.07	Fiber, ANKOM (%)	0100	8.8200	0.32000	9.6277	2.1367	0.35911	58	-0.38	4%	0
004.07	Fiber, ANKOM (%)	0552	8.9700	0.04000	9.6277	2.1367	0.35911	58	-0.31	3%	0
004.07	Fiber, ANKOM (%)	0354	9.1000	0.80000	9.6277	2.1367	0.35911	58	-0.25	3%	0
004.07	Fiber, ANKOM (%)	0956	9.2500	0.10000	9.6277	2.1367	0.35911	58	-0.18	2%	0
004.07	Fiber, ANKOM (%)	0683	9.2600	0.10000	9.6277	2.1367	0.35911	58	-0.17	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	
004.07	Fiber, ANKOM (%)	0563	9.3089	0.19020	9.6277	2.1367	0.35911	58	-0.15	2%	0
004.07	Fiber, ANKOM (%)	0726	9.3850	0.35000	9.6277	2.1367	0.35911	58	-0.11	1%	0
004.07	Fiber, ANKOM (%)	0948	9.4200	0.08000	9.6277	2.1367	0.35911	58	-0.10	1%	0
004.07	Fiber, ANKOM (%)	0042	9.4300	0.38000	9.6277	2.1367	0.35911	58	-0.09	1%	0
004.07	Fiber, ANKOM (%)	2143	9.6650	0.07000	9.6277	2.1367	0.35911	58	0.02	0%	0
004.07	Fiber, ANKOM (%)	0848	9.7150	0.45000	9.6277	2.1367	0.35911	58	0.04	0%	0
004.07	Fiber, ANKOM (%)	0861	9.7150	0.43000	9.6277	2.1367	0.35911	58	0.04	0%	0
004.07	Fiber, ANKOM (%)	0708	9.9200	0.32000	9.6277	2.1367	0.35911	58	0.14	2%	0
004.07	Fiber, ANKOM (%)	0870	9.9315	1.0579	9.6277	2.1367	0.35911	58	0.14	2%	0
004.07	Fiber, ANKOM (%)	0033	9.9500	0.30000	9.6277	2.1367	0.35911	58	0.15	2%	0
004.07	Fiber, ANKOM (%)	0074	10.005	0.05000	9.6277	2.1367	0.35911	58	0.18	2%	0
004.07	Fiber, ANKOM (%)	0876	10.100	1.0000	9.6277	2.1367	0.35911	58	0.22	2%	0
004.07	Fiber, ANKOM (%)	0510	10.700	0.20000	9.6277	2.1367	0.35911	58	0.50	6%	0
004.07	Fiber, ANKOM (%)	0144	10.740	0.30000	9.6277	2.1367	0.35911	58	0.52	6%	0
004.07	Fiber, ANKOM (%)	2109	10.855	0.09000	9.6277	2.1367	0.35911	58	0.57	6%	0
004.07	Fiber, ANKOM (%)	2075	10.900	0.40000	9.6277	2.1367	0.35911	58	0.60	7%	0
004.07	Fiber, ANKOM (%)	0190	11.000	0.20000	9.6277	2.1367	0.35911	58	0.64	7%	0
004.07	Fiber, ANKOM (%)	0939	11.035	0.31000	9.6277	2.1367	0.35911	58	0.66	7%	0
004.07	Fiber, ANKOM (%)	0202	11.145	0.21000	9.6277	2.1367	0.35911	58	0.71	8%	0
004.07	Fiber, ANKOM (%)	0004	11.190	0.66000	9.6277	2.1367	0.35911	58	0.73	8%	0
004.07	Fiber, ANKOM (%)	0009	11.305	0.33000	9.6277	2.1367	0.35911	58	0.79	9%	0
004.07	Fiber, ANKOM (%)	0581	11.350	0.30000	9.6277	2.1367	0.35911	58	0.81	9%	0
004.07	Fiber, ANKOM (%)	0066	11.415	0.39000	9.6277	2.1367	0.35911	58	0.84	9%	0
004.07	Fiber, ANKOM (%)	0089	11.415	0.17000	9.6277	2.1367	0.35911	58	0.84	9%	0
004.07	Fiber, ANKOM (%)	0598	11.895	0.61000	9.6277	2.1367	0.35911	58	1.06	12%	0
004.07	Fiber, ANKOM (%)	0407	11.917	0.14540	9.6277	2.1367	0.35911	58	1.07	12%	0
004.07	Fiber, ANKOM (%)	0692	11.950	1.7000	9.6277	2.1367	0.35911	58	1.09	12%	0
004.07	Fiber, ANKOM (%)	0278	12.250	0.10000	9.6277	2.1367	0.35911	58	1.23	14%	0
004.07	Fiber, ANKOM (%)	0613	12.805	1.7100	9.6277	2.1367	0.35911	58	1.49	17%	0
004.07	Fiber, ANKOM (%)	0955	13.100	0.00000	9.6277	2.1367	0.35911	58	1.63	18%	0
004.07	Fiber, ANKOM (%)	0083	13.100	0.06000	9.6277	2.1367	0.35911	58	1.63	18%	0
004.07	Fiber, ANKOM (%)	0034	13.170	0.36000	9.6277	2.1367	0.35911	58	1.66	18%	0
004.07	Fiber, ANKOM (%)	0019	16.480	0.84000	9.6277	2.1367	0.35911	58	3.21	36%	0
004.07	Fiber, ANKOM (%)	0553	11.935	2.1300	9.6277	2.1367	0.35911	58	1.08	12%	1
004.11	Fiber, NIR (%)	2135	5.6000	0.20000	10.226	1.6063	0.08000	8	-2.88	23%	0
004.11	Fiber, NIR (%)	0720	9.0500	0.10000	10.226	1.6063	0.08000	8	-0.73	6%	0
004.11	Fiber, NIR (%)	2120	9.9400	0.16000	10.226	1.6063	0.08000	8	-0.18	1%	0
004.11	Fiber, NIR (%)	2121	10.000	0.04000	10.226	1.6063	0.08000	8	-0.14	1%	0
004.11	Fiber, NIR (%)	0889	10.315	0.07000	10.226	1.6063	0.08000	8	0.06	0%	0
004.11	Fiber, NIR (%)	0613	10.765	0.01000	10.226	1.6063	0.08000	8	0.34	3%	0
004.11	Fiber, NIR (%)	2128	11.513	0.00000	10.226	1.6063	0.08000	8	0.80	6%	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	
004.11	Fiber, NIR (%)	0852	12.410	0.06000	10.226	1.6063	0.08000	8	1.36	11%	0
004.99	Fiber, Miscellaneous (%)	0610	6.5500	0.10000				3			0
004.99	Fiber, Miscellaneous (%)	0629	7.2500	0.30000				3			0
004.99	Fiber, Miscellaneous (%)	0940	7.3800	0.24000				3			0
005.00	Ash, 2h @ 600°C (%)	0042	23.635	0.21000	30.786	0.65545	0.15908	94	-10.91	12%	0
005.00	Ash, 2h @ 600°C (%)	0539	25.395	0.55000	30.786	0.65545	0.15908	94	-8.23	9%	0
005.00	Ash, 2h @ 600°C (%)	0693	26.544	0.34940	30.786	0.65545	0.15908	94	-6.47	7%	0
005.00	Ash, 2h @ 600°C (%)	0049	26.900	0.60000	30.786	0.65545	0.15908	94	-5.93	6%	0
005.00	Ash, 2h @ 600°C (%)	0620	27.059	0.07860	30.786	0.65545	0.15908	94	-5.69	6%	0
005.00	Ash, 2h @ 600°C (%)	0278	27.320	0.22000	30.786	0.65545	0.15908	94	-5.29	6%	0
005.00	Ash, 2h @ 600°C (%)	0142	27.560	0.18000	30.786	0.65545	0.15908	94	-4.92	5%	0
005.00	Ash, 2h @ 600°C (%)	0682	27.790	0.00000	30.786	0.65545	0.15908	94	-4.57	5%	0
005.00	Ash, 2h @ 600°C (%)	0650	28.100	0.10000	30.786	0.65545	0.15908	94	-4.10	4%	0
005.00	Ash, 2h @ 600°C (%)	0208	28.350	0.10000	30.786	0.65545	0.15908	94	-3.72	4%	0
005.00	Ash, 2h @ 600°C (%)	0425	28.380	0.12000	30.786	0.65545	0.15908	94	-3.67	4%	0
005.00	Ash, 2h @ 600°C (%)	2073	28.575	0.19000	30.786	0.65545	0.15908	94	-3.37	4%	0
005.00	Ash, 2h @ 600°C (%)	0598	29.165	0.07000	30.786	0.65545	0.15908	94	-2.47	3%	0
005.00	Ash, 2h @ 600°C (%)	2053	29.245	0.11000	30.786	0.65545	0.15908	94	-2.35	3%	0
005.00	Ash, 2h @ 600°C (%)	0051	29.350	0.10000	30.786	0.65545	0.15908	94	-2.19	2%	0
005.00	Ash, 2h @ 600°C (%)	0164	29.570	0.16000	30.786	0.65545	0.15908	94	-1.86	2%	0
005.00	Ash, 2h @ 600°C (%)	0552	29.625	0.33000	30.786	0.65545	0.15908	94	-1.77	2%	0
005.00	Ash, 2h @ 600°C (%)	0511	29.760	0.36000	30.786	0.65545	0.15908	94	-1.57	2%	0
005.00	Ash, 2h @ 600°C (%)	0089	30.225	0.01000	30.786	0.65545	0.15908	94	-0.86	1%	0
005.00	Ash, 2h @ 600°C (%)	0596	30.225	0.01000	30.786	0.65545	0.15908	94	-0.86	1%	0
005.00	Ash, 2h @ 600°C (%)	0880	30.245	0.29000	30.786	0.65545	0.15908	94	-0.83	1%	0
005.00	Ash, 2h @ 600°C (%)	0918	30.330	0.04000	30.786	0.65545	0.15908	94	-0.70	1%	0
005.00	Ash, 2h @ 600°C (%)	2022	30.370	0.06000	30.786	0.65545	0.15908	94	-0.64	1%	0
005.00	Ash, 2h @ 600°C (%)	0026	30.400	0.10000	30.786	0.65545	0.15908	94	-0.59	1%	0
005.00	Ash, 2h @ 600°C (%)	0205	30.405	0.23000	30.786	0.65545	0.15908	94	-0.58	1%	0
005.00	Ash, 2h @ 600°C (%)	0609	30.460	0.20000	30.786	0.65545	0.15908	94	-0.50	1%	0
005.00	Ash, 2h @ 600°C (%)	0723	30.527	0.00000	30.786	0.65545	0.15908	94	-0.40	0%	0
005.00	Ash, 2h @ 600°C (%)	0953	30.545	0.19000	30.786	0.65545	0.15908	94	-0.37	0%	0
005.00	Ash, 2h @ 600°C (%)	0175	30.550	0.10000	30.786	0.65545	0.15908	94	-0.36	0%	0
005.00	Ash, 2h @ 600°C (%)	0407	30.594	0.18050	30.786	0.65545	0.15908	94	-0.29	0%	0
005.00	Ash, 2h @ 600°C (%)	0861	30.610	0.10000	30.786	0.65545	0.15908	94	-0.27	0%	0
005.00	Ash, 2h @ 600°C (%)	0100	30.625	0.29000	30.786	0.65545	0.15908	94	-0.25	0%	0
005.00	Ash, 2h @ 600°C (%)	0169	30.670	0.16000	30.786	0.65545	0.15908	94	-0.18	0%	0
005.00	Ash, 2h @ 600°C (%)	0541	30.675	0.01000	30.786	0.65545	0.15908	94	-0.17	0%	0
005.00	Ash, 2h @ 600°C (%)	0123	30.705	0.11000	30.786	0.65545	0.15908	94	-0.12	0%	0
005.00	Ash, 2h @ 600°C (%)	0004	30.755	0.09000	30.786	0.65545	0.15908	94	-0.05	0%	0
005.00	Ash, 2h @ 600°C (%)	0618	30.805	0.09000	30.786	0.65545	0.15908	94	0.03	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	
005.00	Ash, 2h @ 600°C (%)	0968	30.821	0.07200	30.786	0.65545	0.15908	94	0.05	0%	0
005.00	Ash, 2h @ 600°C (%)	0653	30.835	0.45000	30.786	0.65545	0.15908	94	0.07	0%	0
005.00	Ash, 2h @ 600°C (%)	0298	30.850	0.02000	30.786	0.65545	0.15908	94	0.10	0%	0
005.00	Ash, 2h @ 600°C (%)	0870	30.887	0.32660	30.786	0.65545	0.15908	94	0.15	0%	0
005.00	Ash, 2h @ 600°C (%)	2106	30.905	0.07000	30.786	0.65545	0.15908	94	0.18	0%	0
005.00	Ash, 2h @ 600°C (%)	0553	30.930	0.18000	30.786	0.65545	0.15908	94	0.22	0%	0
005.00	Ash, 2h @ 600°C (%)	0358	30.945	0.05000	30.786	0.65545	0.15908	94	0.24	0%	0
005.00	Ash, 2h @ 600°C (%)	2006	30.965	0.01000	30.786	0.65545	0.15908	94	0.27	0%	0
005.00	Ash, 2h @ 600°C (%)	0643	30.975	0.05000	30.786	0.65545	0.15908	94	0.29	0%	0
005.00	Ash, 2h @ 600°C (%)	0108	30.990	0.02000	30.786	0.65545	0.15908	94	0.31	0%	0
005.00	Ash, 2h @ 600°C (%)	0622	30.993	0.03490	30.786	0.65545	0.15908	94	0.31	0%	0
005.00	Ash, 2h @ 600°C (%)	0045	31.000	0.00000	30.786	0.65545	0.15908	94	0.33	0%	0
005.00	Ash, 2h @ 600°C (%)	0019	31.035	0.41000	30.786	0.65545	0.15908	94	0.38	0%	0
005.00	Ash, 2h @ 600°C (%)	0646	31.035	0.75000	30.786	0.65545	0.15908	94	0.38	0%	0
005.00	Ash, 2h @ 600°C (%)	0674	31.050	0.00000	30.786	0.65545	0.15908	94	0.40	0%	0
005.00	Ash, 2h @ 600°C (%)	2012	31.050	0.00000	30.786	0.65545	0.15908	94	0.40	0%	0
005.00	Ash, 2h @ 600°C (%)	0651	31.066	0.00700	30.786	0.65545	0.15908	94	0.43	0%	0
005.00	Ash, 2h @ 600°C (%)	0138	31.068	0.10500	30.786	0.65545	0.15908	94	0.43	0%	0
005.00	Ash, 2h @ 600°C (%)	0948	31.075	0.01000	30.786	0.65545	0.15908	94	0.44	0%	0
005.00	Ash, 2h @ 600°C (%)	0139	31.085	0.01000	30.786	0.65545	0.15908	94	0.46	0%	0
005.00	Ash, 2h @ 600°C (%)	0152	31.100	0.00000	30.786	0.65545	0.15908	94	0.48	1%	0
005.00	Ash, 2h @ 600°C (%)	0589	31.115	0.05000	30.786	0.65545	0.15908	94	0.50	1%	0
005.00	Ash, 2h @ 600°C (%)	0148	31.130	0.80000	30.786	0.65545	0.15908	94	0.52	1%	0
005.00	Ash, 2h @ 600°C (%)	0563	31.133	0.06440	30.786	0.65545	0.15908	94	0.53	1%	0
005.00	Ash, 2h @ 600°C (%)	0681	31.140	0.04000	30.786	0.65545	0.15908	94	0.54	1%	0
005.00	Ash, 2h @ 600°C (%)	0510	31.145	0.05000	30.786	0.65545	0.15908	94	0.55	1%	0
005.00	Ash, 2h @ 600°C (%)	0229	31.150	0.10000	30.786	0.65545	0.15908	94	0.55	1%	0
005.00	Ash, 2h @ 600°C (%)	0956	31.150	0.30000	30.786	0.65545	0.15908	94	0.55	1%	0
005.00	Ash, 2h @ 600°C (%)	0035	31.185	0.25000	30.786	0.65545	0.15908	94	0.61	1%	0
005.00	Ash, 2h @ 600°C (%)	2150	31.190	0.04000	30.786	0.65545	0.15908	94	0.62	1%	0
005.00	Ash, 2h @ 600°C (%)	0098	31.205	0.07000	30.786	0.65545	0.15908	94	0.64	1%	0
005.00	Ash, 2h @ 600°C (%)	0354	31.205	0.03000	30.786	0.65545	0.15908	94	0.64	1%	0
005.00	Ash, 2h @ 600°C (%)	0852	31.205	0.15000	30.786	0.65545	0.15908	94	0.64	1%	0
005.00	Ash, 2h @ 600°C (%)	0001	31.207	0.06750	30.786	0.65545	0.15908	94	0.64	1%	0
005.00	Ash, 2h @ 600°C (%)	0353	31.235	0.17000	30.786	0.65545	0.15908	94	0.68	1%	0
005.00	Ash, 2h @ 600°C (%)	0017	31.250	0.30000	30.786	0.65545	0.15908	94	0.71	1%	0
005.00	Ash, 2h @ 600°C (%)	0504	31.250	0.20000	30.786	0.65545	0.15908	94	0.71	1%	0
005.00	Ash, 2h @ 600°C (%)	1019	31.255	0.21000	30.786	0.65545	0.15908	94	0.71	1%	0
005.00	Ash, 2h @ 600°C (%)	0529	31.275	0.05000	30.786	0.65545	0.15908	94	0.75	1%	0
005.00	Ash, 2h @ 600°C (%)	0581	31.275	0.29000	30.786	0.65545	0.15908	94	0.75	1%	0
005.00	Ash, 2h @ 600°C (%)	0722	31.277	0.00000	30.786	0.65545	0.15908	94	0.75	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 (%)	0144	31.290	0.26000	30.786	0.65545	0.15908	94	0.77	1%	0
005.00	Ash, 2h @ 600°C (%)	0265	31.295	0.39000	30.786	0.65545	0.15908	94	0.78	1%	0
005.00	Ash, 2h @ 600°C (%)	0366	31.300	0.00000	30.786	0.65545	0.15908	94	0.78	1%	0
005.00	Ash, 2h @ 600°C (%)	0171	31.320	0.06000	30.786	0.65545	0.15908	94	0.81	1%	0
005.00	Ash, 2h @ 600°C (%)	0187	31.350	0.06000	30.786	0.65545	0.15908	94	0.86	1%	0
005.00	Ash, 2h @ 600°C (%)	0357	31.350	0.30000	30.786	0.65545	0.15908	94	0.86	1%	0
005.00	Ash, 2h @ 600°C (%)	0656	31.375	0.21000	30.786	0.65545	0.15908	94	0.90	1%	0
005.00	Ash, 2h @ 600°C (%)	0309	31.388	0.10800	30.786	0.65545	0.15908	94	0.92	1%	0
005.00	Ash, 2h @ 600°C (%)	0615	31.435	0.43000	30.786	0.65545	0.15908	94	0.99	1%	0
005.00	Ash, 2h @ 600°C (%)	0297	31.450	0.50000	30.786	0.65545	0.15908	94	1.01	1%	0
005.00	Ash, 2h @ 600°C (%)	0630	31.455	0.23000	30.786	0.65545	0.15908	94	1.02	1%	0
005.00	Ash, 2h @ 600°C (%)	0083	31.475	0.05000	30.786	0.65545	0.15908	94	1.05	1%	0
005.00	Ash, 2h @ 600°C (%)	0226	31.600	0.00000	30.786	0.65545	0.15908	94	1.24	1%	0
005.00	Ash, 2h @ 600°C (%)	0242	31.630	0.08000	30.786	0.65545	0.15908	94	1.29	1%	0
005.00	Ash, 2h @ 600°C (%)	2089	31.650	0.08000	30.786	0.65545	0.15908	94	1.32	1%	0
005.00	Ash, 2h @ 600°C (%)	0345	31.750	0.30000	30.786	0.65545	0.15908	94	1.47	2%	0
005.00	Ash, 2h @ 600°C (%)	0957	28.900	1.3000	30.786	0.65545	0.15908	94	-2.88	3%	1
005.00	Ash, 2h @ 600°C (%)	0675	30.525	1.9700	30.786	0.65545	0.15908	94	-0.40	0%	1
005.05	Ash, 3h @ 550°C (%)	0294	28.650	0.10000	30.995	0.54104	0.12480	22	-4.34	4%	0
005.05	Ash, 3h @ 550°C (%)	0897	29.885	0.01000	30.995	0.54104	0.12480	22	-2.05	2%	0
005.05	Ash, 3h @ 550°C (%)	0885	30.246	0.40770	30.995	0.54104	0.12480	22	-1.39	1%	0
005.05	Ash, 3h @ 550°C (%)	0413	30.250	0.10000	30.995	0.54104	0.12480	22	-1.38	1%	0
005.05	Ash, 3h @ 550°C (%)	0726	30.565	0.05000	30.995	0.54104	0.12480	22	-0.80	1%	0
005.05	Ash, 3h @ 550°C (%)	0940	30.725	0.49000	30.995	0.54104	0.12480	22	-0.50	0%	0
005.05	Ash, 3h @ 550°C (%)	0692	30.750	0.10000	30.995	0.54104	0.12480	22	-0.45	0%	0
005.05	Ash, 3h @ 550°C (%)	0683	30.845	0.05000	30.995	0.54104	0.12480	22	-0.28	0%	0
005.05	Ash, 3h @ 550°C (%)	0937	30.950	0.02000	30.995	0.54104	0.12480	22	-0.08	0%	0
005.05	Ash, 3h @ 550°C (%)	2109	31.030	0.08000	30.995	0.54104	0.12480	22	0.06	0%	0
005.05	Ash, 3h @ 550°C (%)	0066	31.070	0.20000	30.995	0.54104	0.12480	22	0.14	0%	0
005.05	Ash, 3h @ 550°C (%)	0590	31.150	0.00000	30.995	0.54104	0.12480	22	0.29	0%	0
005.05	Ash, 3h @ 550°C (%)	0849	31.199	0.03800	30.995	0.54104	0.12480	22	0.38	0%	0
005.05	Ash, 3h @ 550°C (%)	0619	31.200	0.00000	30.995	0.54104	0.12480	22	0.38	0%	0
005.05	Ash, 3h @ 550°C (%)	0610	31.230	0.08000	30.995	0.54104	0.12480	22	0.43	0%	0
005.05	Ash, 3h @ 550°C (%)	0939	31.235	0.01000	30.995	0.54104	0.12480	22	0.44	0%	0
005.05	Ash, 3h @ 550°C (%)	0904	31.325	0.41000	30.995	0.54104	0.12480	22	0.61	1%	0
005.05	Ash, 3h @ 550°C (%)	0889	31.395	0.25000	30.995	0.54104	0.12480	22	0.74	1%	0
005.05	Ash, 3h @ 550°C (%)	0685	31.400	0.00000	30.995	0.54104	0.12480	22	0.75	1%	0
005.05	Ash, 3h @ 550°C (%)	0720	31.550	0.30000	30.995	0.54104	0.12480	22	1.02	1%	0
005.05	Ash, 3h @ 550°C (%)	0921	31.610	0.00000	30.995	0.54104	0.12480	22	1.14	1%	0
005.05	Ash, 3h @ 550°C (%)	0689	31.895	0.05000	30.995	0.54104	0.12480	22	1.66	1%	0
005.11	Ash, NIR (%)	0852	7.3950	0.19000	22.084	17.164	0.44571	7	-0.86	33%	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	
005.11	Ash, NIR (%)	2128	10.857	0.00000	22.084	17.164	0.44571	7	-0.65	25%	0
005.11	Ash, NIR (%)	0720	11.905	0.17000	22.084	17.164	0.44571	7	-0.59	23%	0
005.11	Ash, NIR (%)	0613	14.850	0.38000	22.084	17.164	0.44571	7	-0.42	16%	0
005.11	Ash, NIR (%)	0889	23.590	0.66000	22.084	17.164	0.44571	7	0.09	3%	0
005.11	Ash, NIR (%)	2120	42.960	1.1200	22.084	17.164	0.44571	7	1.22	47%	0
005.11	Ash, NIR (%)	2121	43.030	0.60000	22.084	17.164	0.44571	7	1.22	47%	0
005.99	Ash, Miscellaneous (%)	0728	30.705	0.19000	31.282	0.23424	0.07727	11	-2.46	1%	0
005.99	Ash, Miscellaneous (%)	0202	30.710	0.02000	31.282	0.23424	0.07727	11	-2.44	1%	0
005.99	Ash, Miscellaneous (%)	0652	31.200	0.00000	31.282	0.23424	0.07727	11	-0.35	0%	0
005.99	Ash, Miscellaneous (%)	0574	31.235	0.05000	31.282	0.23424	0.07727	11	-0.20	0%	0
005.99	Ash, Miscellaneous (%)	2004	31.250	0.10000	31.282	0.23424	0.07727	11	-0.14	0%	0
005.99	Ash, Miscellaneous (%)	0676	31.315	0.05000	31.282	0.23424	0.07727	11	0.14	0%	0
005.99	Ash, Miscellaneous (%)	2080	31.325	0.09000	31.282	0.23424	0.07727	11	0.18	0%	0
005.99	Ash, Miscellaneous (%)	0629	31.400	0.00000	31.282	0.23424	0.07727	11	0.50	0%	0
005.99	Ash, Miscellaneous (%)	0644	31.465	0.05000	31.282	0.23424	0.07727	11	0.78	0%	0
005.99	Ash, Miscellaneous (%)	0884	31.500	0.00000	31.282	0.23424	0.07727	11	0.93	0%	0
005.99	Ash, Miscellaneous (%)	0910	31.550	0.30000	31.282	0.23424	0.07727	11	1.14	0%	0
005.99	Ash, Miscellaneous (%)	0613	29.985	2.7900	31.282	0.23424	0.07727	11	-5.54	2%	1
006.00	Total sugars, As sucrose (%)	0921	2.5100	0.50000				2			0
006.00	Total sugars, As sucrose (%)	0910	4.0200	0.44000				2			0
006.01	Total sugars, Mod. Fehling Soln (%)	0689	3.5500	0.30000				2			0
006.01	Total sugars, Mod. Fehling Soln (%)	0407	3.9900	0.08000				2			0
006.05	Total sugars, TSI, Lane-Eunon (12th) (%)	0045	5.6700	0.12000				1			0
006.99	Total sugars, Miscellaneous (%)	0939	3.6900	0.02000				3			0
006.99	Total sugars, Miscellaneous (%)	0956	4.7500	0.70000				3			0
006.99	Total sugars, Miscellaneous (%)	0720	9.4950	0.25000				3			0
008.02	Fiber, Acid Detergent (%)	0405	6.6300	0.04000	10.822	0.93331	0.25402	19	-4.49	19%	0
008.02	Fiber, Acid Detergent (%)	0590	9.0500	0.50000	10.822	0.93331	0.25402	19	-1.90	8%	0
008.02	Fiber, Acid Detergent (%)	0676	9.5650	0.81000	10.822	0.93331	0.25402	19	-1.35	6%	0
008.02	Fiber, Acid Detergent (%)	0885	10.281	0.30700	10.822	0.93331	0.25402	19	-0.58	3%	0
008.02	Fiber, Acid Detergent (%)	0675	10.395	0.65000	10.822	0.93331	0.25402	19	-0.46	2%	0
008.02	Fiber, Acid Detergent (%)	0728	10.400	0.34000	10.822	0.93331	0.25402	19	-0.45	2%	0
008.02	Fiber, Acid Detergent (%)	0948	10.495	0.33000	10.822	0.93331	0.25402	19	-0.35	2%	0
008.02	Fiber, Acid Detergent (%)	0609	10.550	0.08000	10.822	0.93331	0.25402	19	-0.29	1%	0
008.02	Fiber, Acid Detergent (%)	0098	10.750	0.00000	10.822	0.93331	0.25402	19	-0.08	0%	0
008.02	Fiber, Acid Detergent (%)	0208	10.850	0.10000	10.822	0.93331	0.25402	19	0.03	0%	0
008.02	Fiber, Acid Detergent (%)	0939	10.855	0.51000	10.822	0.93331	0.25402	19	0.03	0%	0
008.02	Fiber, Acid Detergent (%)	0674	10.970	0.00000	10.822	0.93331	0.25402	19	0.16	1%	0
008.02	Fiber, Acid Detergent (%)	0353	11.285	0.03000	10.822	0.93331	0.25402	19	0.50	2%	0
008.02	Fiber, Acid Detergent (%)	0309	11.292	0.27640	10.822	0.93331	0.25402	19	0.50	2%	0
008.02	Fiber, Acid Detergent (%)	0689	11.450	0.10000	10.822	0.93331	0.25402	19	0.67	3%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
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008.02	Fiber, Acid Detergent (%)	0148	11.515	0.01000	10.822	0.93331	0.25402	19	0.74	3%	0
008.02	Fiber, Acid Detergent (%)	0964	11.885	0.49300	10.822	0.93331	0.25402	19	1.14	5%	0
008.02	Fiber, Acid Detergent (%)	0187	12.045	0.25000	10.822	0.93331	0.25402	19	1.31	6%	0
008.02	Fiber, Acid Detergent (%)	0226	12.200	0.00000	10.822	0.93331	0.25402	19	1.48	6%	0
008.05	Fiber, Acid Detergent-Hach (%)	0265	12.050	0.50000				1			0
008.08	Fiber, Acid Detergent, ANKOM (%)	2012	8.3600	0.06000	10.598	1.1409	0.47124	43	-1.96	11%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0870	8.3990	3.4829	10.598	1.1409	0.47124	43	-1.93	10%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0968	8.7195	1.5430	10.598	1.1409	0.47124	43	-1.65	9%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0619	9.0400	0.46000	10.598	1.1409	0.47124	43	-1.37	7%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	2004	9.1950	0.01000	10.598	1.1409	0.47124	43	-1.23	7%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0563	9.3593	0.13210	10.598	1.1409	0.47124	43	-1.09	6%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0294	9.4500	0.10000	10.598	1.1409	0.47124	43	-1.01	5%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0164	9.5000	0.20000	10.598	1.1409	0.47124	43	-0.96	5%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0910	9.7550	1.4700	10.598	1.1409	0.47124	43	-0.74	4%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0407	9.7697	0.14260	10.598	1.1409	0.47124	43	-0.73	4%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0033	9.8300	0.34000	10.598	1.1409	0.47124	43	-0.67	4%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0278	9.8500	0.30000	10.598	1.1409	0.47124	43	-0.66	4%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0004	9.9900	0.48000	10.598	1.1409	0.47124	43	-0.53	3%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0366	10.000	1.2000	10.598	1.1409	0.47124	43	-0.52	3%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0889	10.090	0.12000	10.598	1.1409	0.47124	43	-0.45	2%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0581	10.170	0.28000	10.598	1.1409	0.47124	43	-0.38	2%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0190	10.230	0.74000	10.598	1.1409	0.47124	43	-0.32	2%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0848	10.325	0.07000	10.598	1.1409	0.47124	43	-0.24	1%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0035	10.385	0.27000	10.598	1.1409	0.47124	43	-0.19	1%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0613	10.525	0.07000	10.598	1.1409	0.47124	43	-0.06	0%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0904	10.560	0.16000	10.598	1.1409	0.47124	43	-0.03	0%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0148	10.575	0.01000	10.598	1.1409	0.47124	43	-0.02	0%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0049	10.585	1.0100	10.598	1.1409	0.47124	43	-0.01	0%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0413	10.750	0.90000	10.598	1.1409	0.47124	43	0.13	1%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0066	10.755	0.43000	10.598	1.1409	0.47124	43	0.14	1%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0861	10.825	0.21000	10.598	1.1409	0.47124	43	0.20	1%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0357	10.850	0.10000	10.598	1.1409	0.47124	43	0.22	1%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0037	11.035	0.01000	10.598	1.1409	0.47124	43	0.38	2%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0510	11.050	0.10000	10.598	1.1409	0.47124	43	0.40	2%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0026	11.140	0.08000	10.598	1.1409	0.47124	43	0.48	3%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0045	11.250	0.70000	10.598	1.1409	0.47124	43	0.57	3%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0354	11.375	0.03000	10.598	1.1409	0.47124	43	0.68	4%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0596	11.400	0.20000	10.598	1.1409	0.47124	43	0.70	4%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0358	11.450	0.44000	10.598	1.1409	0.47124	43	0.75	4%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0937	11.695	0.11000	10.598	1.1409	0.47124	43	0.96	5%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0001	11.790	0.94000	10.598	1.1409	0.47124	43	1.04	6%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
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008.08	Fiber, Acid Detergent, ANKOM (%)	0918	11.834	0.01700	10.598	1.1409	0.47124	43	1.08	6%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0726	11.875	0.05000	10.598	1.1409	0.47124	43	1.12	6%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0297	12.010	1.7000	10.598	1.1409	0.47124	43	1.24	7%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	2129	12.040	0.58000	10.598	1.1409	0.47124	43	1.26	7%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0693	12.126	0.18580	10.598	1.1409	0.47124	43	1.34	7%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0529	12.355	0.59000	10.598	1.1409	0.47124	43	1.54	8%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0083	17.360	0.24000	10.598	1.1409	0.47124	43	5.93	32%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0956	15.350	6.7000	10.598	1.1409	0.47124	43	4.17	22%	1
008.99	Fiber, Acid Detergent Miscellaneous (%)	0613	9.6050	0.13000	12.456	4.0478	0.10750	4	-0.70	11%	0
008.99	Fiber, Acid Detergent Miscellaneous (%)	0610	10.600	0.20000	12.456	4.0478	0.10750	4	-0.46	7%	0
008.99	Fiber, Acid Detergent Miscellaneous (%)	0723	11.170	0.00000	12.456	4.0478	0.10750	4	-0.32	5%	0
008.99	Fiber, Acid Detergent Miscellaneous (%)	0720	18.450	0.10000	12.456	4.0478	0.10750	4	1.48	24%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0098	18.350	0.30000	20.427	1.7118	0.30478	13	-1.21	5%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0353	18.485	0.19000	20.427	1.7118	0.30478	13	-1.13	5%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0187	18.815	0.15000	20.427	1.7118	0.30478	13	-0.94	4%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0590	19.100	0.80000	20.427	1.7118	0.30478	13	-0.78	3%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0676	19.990	0.30000	20.427	1.7118	0.30478	13	-0.26	1%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0674	20.420	0.00000	20.427	1.7118	0.30478	13	0.00	0%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0675	20.435	0.65000	20.427	1.7118	0.30478	13	0.00	0%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0610	20.650	0.50000	20.427	1.7118	0.30478	13	0.13	1%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0609	20.900	0.18000	20.427	1.7118	0.30478	13	0.28	1%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0226	21.100	0.40000	20.427	1.7118	0.30478	13	0.39	2%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0309	21.318	0.39220	20.427	1.7118	0.30478	13	0.52	2%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0208	23.950	0.10000	20.427	1.7118	0.30478	13	2.06	9%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0689	27.000	0.00000	20.427	1.7118	0.30478	13	3.84	16%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0619	16.600	0.40000	19.420	1.6800	0.56639	45	-1.68	7%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0598	16.745	0.65000	19.420	1.6800	0.56639	45	-1.59	7%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0910	17.050	0.10000	19.420	1.6800	0.56639	45	-1.41	6%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0164	17.100	0.00000	19.420	1.6800	0.56639	45	-1.38	6%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	2004	17.500	0.20000	19.420	1.6800	0.56639	45	-1.14	5%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0148	17.945	0.17000	19.420	1.6800	0.56639	45	-0.88	4%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	2012	18.090	1.4400	19.420	1.6800	0.56639	45	-0.79	3%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0294	18.100	0.20000	19.420	1.6800	0.56639	45	-0.79	3%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0413	18.150	0.90000	19.420	1.6800	0.56639	45	-0.76	3%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0358	18.395	0.75000	19.420	1.6800	0.56639	45	-0.61	3%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0948	18.445	0.17000	19.420	1.6800	0.56639	45	-0.58	3%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0889	18.465	0.81000	19.420	1.6800	0.56639	45	-0.57	2%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0581	18.510	0.46000	19.420	1.6800	0.56639	45	-0.54	2%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0870	18.531	1.1991	19.420	1.6800	0.56639	45	-0.53	2%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0861	18.615	0.91000	19.420	1.6800	0.56639	45	-0.48	2%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0563	18.699	0.49880	19.420	1.6800	0.56639	45	-0.43	2%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
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009.09	Fiber, Neutral Detergent, ANKOM (%)	2022	18.735	0.23000	19.420	1.6800	0.56639	45	-0.41	2%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0037	18.755	0.57000	19.420	1.6800	0.56639	45	-0.40	2%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0937	18.830	0.18000	19.420	1.6800	0.56639	45	-0.35	2%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0357	18.850	1.7000	19.420	1.6800	0.56639	45	-0.34	1%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0885	18.993	0.39970	19.420	1.6800	0.56639	45	-0.25	1%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0613	19.040	1.2600	19.420	1.6800	0.56639	45	-0.23	1%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0366	19.150	0.50000	19.420	1.6800	0.56639	45	-0.16	1%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0968	19.256	0.97000	19.420	1.6800	0.56639	45	-0.10	0%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0190	19.290	0.18000	19.420	1.6800	0.56639	45	-0.08	0%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0001	19.335	0.43000	19.420	1.6800	0.56639	45	-0.05	0%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0066	19.460	0.28000	19.420	1.6800	0.56639	45	0.02	0%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0596	19.650	0.10000	19.420	1.6800	0.56639	45	0.14	1%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	2129	19.805	1.8300	19.420	1.6800	0.56639	45	0.23	1%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0407	19.912	0.78820	19.420	1.6800	0.56639	45	0.29	1%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0297	19.920	0.16000	19.420	1.6800	0.56639	45	0.30	1%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0083	20.125	0.39000	19.420	1.6800	0.56639	45	0.42	2%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0918	20.286	1.0600	19.420	1.6800	0.56639	45	0.52	2%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0726	20.350	0.06000	19.420	1.6800	0.56639	45	0.55	2%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0904	20.360	0.10000	19.420	1.6800	0.56639	45	0.56	2%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0354	21.060	0.14000	19.420	1.6800	0.56639	45	0.98	4%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0693	21.135	1.7616	19.420	1.6800	0.56639	45	1.02	4%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0045	21.450	0.50000	19.420	1.6800	0.56639	45	1.21	5%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0939	21.470	0.08000	19.420	1.6800	0.56639	45	1.22	5%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0510	21.600	0.40000	19.420	1.6800	0.56639	45	1.30	6%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0278	22.100	0.00000	19.420	1.6800	0.56639	45	1.60	7%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0956	22.700	1.2000	19.420	1.6800	0.56639	45	1.95	8%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0049	22.845	0.79000	19.420	1.6800	0.56639	45	2.04	9%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0265	23.900	0.20000	19.420	1.6800	0.56639	45	2.67	12%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0848	28.715	0.37000	19.420	1.6800	0.56639	45	5.53	24%	0
009.99	Fiber, Neutral Det Miscellaneous (%)	0889	15.945	0.11000	19.271	2.4206	0.05750	4	-1.37	9%	0
009.99	Fiber, Neutral Det Miscellaneous (%)	0613	19.250	0.10000	19.271	2.4206	0.05750	4	-0.01	0%	0
009.99	Fiber, Neutral Det Miscellaneous (%)	0728	20.270	0.02000	19.271	2.4206	0.05750	4	0.41	3%	0
009.99	Fiber, Neutral Det Miscellaneous (%)	0723	21.620	0.00000	19.271	2.4206	0.05750	4	0.97	6%	0
010.03	Moisture, Karl-Fischer (%)	0208	6.8250	0.05000				3			0
010.03	Moisture, Karl-Fischer (%)	0164	6.9450	0.03000				3			0
010.03	Moisture, Karl-Fischer (%)	0843	7.1800	0.34000				3			0
010.11	Moisture, NIR (%)	2120	6.2000	0.14000	7.6094	1.4280	0.13500	6	-0.99	9%	0
010.11	Moisture, NIR (%)	2121	6.3650	0.07000	7.6094	1.4280	0.13500	6	-0.87	8%	0
010.11	Moisture, NIR (%)	0889	7.0150	0.23000	7.6094	1.4280	0.13500	6	-0.42	4%	0
010.11	Moisture, NIR (%)	2128	8.1014	0.00000	7.6094	1.4280	0.13500	6	0.34	3%	0
010.11	Moisture, NIR (%)	0852	8.9850	0.35000	7.6094	1.4280	0.13500	6	0.96	9%	0



Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
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010.11	Moisture, NIR (%)	0720	8.9900	0.02000	7.6094	1.4280	0.13500	6	0.97	9%	0
010.99	Moisture, Miscellaneous (%)	0190	5.8600	0.48000	7.4457	0.63749	0.15119	17	-2.49	11%	0
010.99	Moisture, Miscellaneous (%)	0692	6.6650	0.03000	7.4457	0.63749	0.15119	17	-1.22	5%	0
010.99	Moisture, Miscellaneous (%)	0917	7.0500	0.10000	7.4457	0.63749	0.15119	17	-0.62	3%	0
010.99	Moisture, Miscellaneous (%)	0722	7.0871	0.03030	7.4457	0.63749	0.15119	17	-0.56	2%	0
010.99	Moisture, Miscellaneous (%)	0019	7.1800	0.08000	7.4457	0.63749	0.15119	17	-0.42	2%	0
010.99	Moisture, Miscellaneous (%)	0884	7.2000	0.20000	7.4457	0.63749	0.15119	17	-0.39	2%	0
010.99	Moisture, Miscellaneous (%)	2089	7.2150	0.07000	7.4457	0.63749	0.15119	17	-0.36	2%	0
010.99	Moisture, Miscellaneous (%)	0948	7.2250	0.05000	7.4457	0.63749	0.15119	17	-0.35	1%	0
010.99	Moisture, Miscellaneous (%)	2150	7.3050	0.31000	7.4457	0.63749	0.15119	17	-0.22	1%	0
010.99	Moisture, Miscellaneous (%)	2004	7.3450	0.11000	7.4457	0.63749	0.15119	17	-0.16	1%	0
010.99	Moisture, Miscellaneous (%)	0939	7.4550	0.25000	7.4457	0.63749	0.15119	17	0.01	0%	0
010.99	Moisture, Miscellaneous (%)	2129	7.6200	0.02000	7.4457	0.63749	0.15119	17	0.27	1%	0
010.99	Moisture, Miscellaneous (%)	0921	7.7250	0.07000	7.4457	0.63749	0.15119	17	0.44	2%	0
010.99	Moisture, Miscellaneous (%)	0726	7.8100	0.00000	7.4457	0.63749	0.15119	17	0.57	2%	0
010.99	Moisture, Miscellaneous (%)	2127	8.4900	0.22000	7.4457	0.63749	0.15119	17	1.64	7%	0
010.99	Moisture, Miscellaneous (%)	2105	9.0350	0.41000	7.4457	0.63749	0.15119	17	2.49	11%	0
010.99	Moisture, Miscellaneous (%)	0405	10.400	0.14000	7.4457	0.63749	0.15119	17	4.63	20%	0
011.01	Loss on Drying, 135°C 2hr (%)	1019	6.7900	0.06000	8.4162	0.49102	0.14121	73	-3.31	10%	0
011.01	Loss on Drying, 135°C 2hr (%)	0345	6.9650	0.05000	8.4162	0.49102	0.14121	73	-2.96	9%	0
011.01	Loss on Drying, 135°C 2hr (%)	0880	7.3300	0.54000	8.4162	0.49102	0.14121	73	-2.21	6%	0
011.01	Loss on Drying, 135°C 2hr (%)	0175	7.5500	0.10000	8.4162	0.49102	0.14121	73	-1.76	5%	0
011.01	Loss on Drying, 135°C 2hr (%)	2095	7.6250	0.05000	8.4162	0.49102	0.14121	73	-1.61	5%	0
011.01	Loss on Drying, 135°C 2hr (%)	0574	7.6950	0.03000	8.4162	0.49102	0.14121	73	-1.47	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0643	7.7000	0.00000	8.4162	0.49102	0.14121	73	-1.46	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0598	7.7200	0.04000	8.4162	0.49102	0.14121	73	-1.42	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0298	7.7500	0.02000	8.4162	0.49102	0.14121	73	-1.36	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0859	7.7900	0.10000	8.4162	0.49102	0.14121	73	-1.28	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0870	7.8587	0.29350	8.4162	0.49102	0.14121	73	-1.14	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0953	7.8750	0.03000	8.4162	0.49102	0.14121	73	-1.10	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0138	7.9610	0.03800	8.4162	0.49102	0.14121	73	-0.93	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0066	8.0000	0.06000	8.4162	0.49102	0.14121	73	-0.85	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0596	8.0450	0.15000	8.4162	0.49102	0.14121	73	-0.76	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	2073	8.0650	0.17000	8.4162	0.49102	0.14121	73	-0.72	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0675	8.0850	0.01000	8.4162	0.49102	0.14121	73	-0.67	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0646	8.1000	0.10000	8.4162	0.49102	0.14121	73	-0.64	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0563	8.1043	0.03690	8.4162	0.49102	0.14121	73	-0.64	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0208	8.1500	0.16000	8.4162	0.49102	0.14121	73	-0.54	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0354	8.1950	0.01000	8.4162	0.49102	0.14121	73	-0.45	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0100	8.2100	0.16000	8.4162	0.49102	0.14121	73	-0.42	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0554	8.2150	0.19000	8.4162	0.49102	0.14121	73	-0.41	1%	0

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011.01	Loss on Drying, 135°C 2hr (%)	0650	8.2400	0.06000	8.4162	0.49102	0.14121	73	-0.36	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0653	8.2500	0.10000	8.4162	0.49102	0.14121	73	-0.34	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0047	8.2800	0.26000	8.4162	0.49102	0.14121	73	-0.28	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0685	8.2850	0.21000	8.4162	0.49102	0.14121	73	-0.27	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	2075	8.2850	0.05000	8.4162	0.49102	0.14121	73	-0.27	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0108	8.2900	1.3000	8.4162	0.49102	0.14121	73	-0.26	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0226	8.3000	0.20000	8.4162	0.49102	0.14121	73	-0.24	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0723	8.3255	0.00000	8.4162	0.49102	0.14121	73	-0.18	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0294	8.3500	0.10000	8.4162	0.49102	0.14121	73	-0.13	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0510	8.3500	0.10000	8.4162	0.49102	0.14121	73	-0.13	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0144	8.3750	0.17000	8.4162	0.49102	0.14121	73	-0.08	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0171	8.3950	0.07000	8.4162	0.49102	0.14121	73	-0.04	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	2006	8.4200	0.02000	8.4162	0.49102	0.14121	73	0.01	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0553	8.4350	0.19000	8.4162	0.49102	0.14121	73	0.04	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0968	8.4355	0.10900	8.4162	0.49102	0.14121	73	0.04	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0674	8.4400	0.00000	8.4162	0.49102	0.14121	73	0.05	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0148	8.4500	0.00000	8.4162	0.49102	0.14121	73	0.07	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0152	8.4500	0.10000	8.4162	0.49102	0.14121	73	0.07	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0622	8.4713	0.03590	8.4162	0.49102	0.14121	73	0.11	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0033	8.5200	0.12000	8.4162	0.49102	0.14121	73	0.21	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0026	8.5250	0.01000	8.4162	0.49102	0.14121	73	0.22	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0552	8.5400	0.32000	8.4162	0.49102	0.14121	73	0.25	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0229	8.5450	0.01000	8.4162	0.49102	0.14121	73	0.26	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0620	8.5545	0.44400	8.4162	0.49102	0.14121	73	0.28	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0861	8.6000	0.06000	8.4162	0.49102	0.14121	73	0.37	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0242	8.6450	0.03000	8.4162	0.49102	0.14121	73	0.47	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0098	8.6650	0.09000	8.4162	0.49102	0.14121	73	0.51	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0651	8.6650	0.02000	8.4162	0.49102	0.14121	73	0.51	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0511	8.7200	0.10000	8.4162	0.49102	0.14121	73	0.62	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0843	8.7200	0.86000	8.4162	0.49102	0.14121	73	0.62	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0123	8.7300	0.16000	8.4162	0.49102	0.14121	73	0.64	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0876	8.7750	0.03000	8.4162	0.49102	0.14121	73	0.73	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0164	8.7900	0.16000	8.4162	0.49102	0.14121	73	0.76	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0202	8.8100	0.04000	8.4162	0.49102	0.14121	73	0.80	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0407	8.8162	0.04110	8.4162	0.49102	0.14121	73	0.81	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0682	8.8200	0.00000	8.4162	0.49102	0.14121	73	0.82	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0051	8.8250	0.63000	8.4162	0.49102	0.14121	73	0.83	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0848	8.8700	0.16000	8.4162	0.49102	0.14121	73	0.92	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0722	8.9076	0.18070	8.4162	0.49102	0.14121	73	1.00	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	2022	8.9150	0.03000	8.4162	0.49102	0.14121	73	1.02	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0541	8.9250	0.03000	8.4162	0.49102	0.14121	73	1.04	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	
011.01	Loss on Drying, 135°C 2hr (%)	0539	8.9400	0.08000	8.4162	0.49102	0.14121	73	1.07	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0309	8.9600	0.06000	8.4162	0.49102	0.14121	73	1.11	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0265	9.0000	0.20000	8.4162	0.49102	0.14121	73	1.19	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0589	9.1000	0.18000	8.4162	0.49102	0.14121	73	1.39	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0358	9.1450	0.13000	8.4162	0.49102	0.14121	73	1.48	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0728	9.1500	0.08000	8.4162	0.49102	0.14121	73	1.49	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0233	9.2300	0.22000	8.4162	0.49102	0.14121	73	1.66	5%	0
011.01	Loss on Drying, 135°C 2hr (%)	0205	9.3270	0.33000	8.4162	0.49102	0.14121	73	1.85	5%	0
011.01	Loss on Drying, 135°C 2hr (%)	2031	9.8623	0.02950	8.4162	0.49102	0.14121	73	2.95	9%	0
011.01	Loss on Drying, 135°C 2hr (%)	0957	5.8050	5.7500	8.4162	0.49102	0.14121	73	-5.32	16%	1
011.02	Loss on Drying, 130°C for 2 hours (%)	0942	7.7650	0.51000				2			0
011.02	Loss on Drying, 130°C for 2 hours (%)	0425	8.5500	0.08000				2			0
011.03	Loss on drying, 130°C, 1 hour, Flour (%)	0681	6.8050	0.03000				1			0
011.99	Loss on Drying, High Temp. Methods Miscellaneous	0852	7.7950	0.21000				3			0
011.99	Loss on Drying, High Temp. Methods Miscellaneous	0857	8.0500	0.10000				3			0
011.99	Loss on Drying, High Temp. Methods Miscellaneous	0541	8.5550	0.41000				3			0
012.00	Starch, Polarimetric (Ewers) (%)	0609	3.0100	0.00000	4.0260	0.50052	0.16857	7	-2.03	13%	0
012.00	Starch, Polarimetric (Ewers) (%)	0689	3.9000	0.40000	4.0260	0.50052	0.16857	7	-0.25	2%	0
012.00	Starch, Polarimetric (Ewers) (%)	0354	3.9400	0.02000	4.0260	0.50052	0.16857	7	-0.17	1%	0
012.00	Starch, Polarimetric (Ewers) (%)	0683	3.9700	0.16000	4.0260	0.50052	0.16857	7	-0.11	1%	0
012.00	Starch, Polarimetric (Ewers) (%)	0910	4.0000	0.40000	4.0260	0.50052	0.16857	7	-0.05	0%	0
012.00	Starch, Polarimetric (Ewers) (%)	0619	4.3200	0.20000	4.0260	0.50052	0.16857	7	0.59	4%	0
012.00	Starch, Polarimetric (Ewers) (%)	0723	4.7810	0.00000	4.0260	0.50052	0.16857	7	1.51	9%	0
012.01	Starch, Megazyme (%)	0918	3.9025	0.03500	5.3698	0.33067	0.17810	8	-4.44	14%	0
012.01	Starch, Megazyme (%)	0870	5.1493	0.15980	5.3698	0.33067	0.17810	8	-0.67	2%	0
012.01	Starch, Megazyme (%)	0676	5.2600	0.02000	5.3698	0.33067	0.17810	8	-0.33	1%	0
012.01	Starch, Megazyme (%)	0045	5.3000	0.52000	5.3698	0.33067	0.17810	8	-0.21	1%	0
012.01	Starch, Megazyme (%)	0613	5.4250	0.37000	5.3698	0.33067	0.17810	8	0.17	1%	0
012.01	Starch, Megazyme (%)	0956	5.5000	0.20000	5.3698	0.33067	0.17810	8	0.39	1%	0
012.01	Starch, Megazyme (%)	0265	5.6500	0.10000	5.3698	0.33067	0.17810	8	0.85	3%	0
012.01	Starch, Megazyme (%)	2004	5.8000	0.02000	5.3698	0.33067	0.17810	8	1.30	4%	0
012.02	Starch, Colorimetric (GOP) (%)	2089	6.8400	0.22000				1			0
012.03	Starch, Enzymatic (%)	0885	4.2700	0.28190	5.6569	0.50739	0.07878	5	-2.73	12%	0
012.03	Starch, Enzymatic (%)	0098	5.0150	0.05000	5.6569	0.50739	0.07878	5	-1.27	6%	0
012.03	Starch, Enzymatic (%)	0297	5.5900	0.02000	5.6569	0.50739	0.07878	5	-0.13	1%	0
012.03	Starch, Enzymatic (%)	0407	5.7827	0.02200	5.6569	0.50739	0.07878	5	0.25	1%	0
012.03	Starch, Enzymatic (%)	0889	6.2400	0.02000	5.6569	0.50739	0.07878	5	1.15	5%	0
012.04	Starch, YSI Analyzer (%)	0278	4.7500	0.10000	5.1775	0.56541	0.15000	4	-0.76	4%	0
012.04	Starch, YSI Analyzer (%)	0948	4.7600	0.26000	5.1775	0.56541	0.15000	4	-0.74	4%	0
012.04	Starch, YSI Analyzer (%)	0510	5.2500	0.10000	5.1775	0.56541	0.15000	4	0.13	1%	0
012.04	Starch, YSI Analyzer (%)	0353	5.9500	0.14000	5.1775	0.56541	0.15000	4	1.37	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	
012.11	Starch, NIR (%)	2128	5.7152	0.00000	7.5184	2.6290	0.25000	4	-0.69	12%	0
012.11	Starch, NIR (%)	0720	6.3050	0.01000	7.5184	2.6290	0.25000	4	-0.46	8%	0
012.11	Starch, NIR (%)	0613	10.520	0.96000	7.5184	2.6290	0.25000	4	1.14	20%	0
012.11	Starch, NIR (%)	0889	10.535	0.03000	7.5184	2.6290	0.25000	4	1.15	20%	0
013.00	Fat, Acid hydrolysis (%)	0083	1.9350	0.03000	2.7492	0.62818	0.08173	17	-1.30	15%	0
013.00	Fat, Acid hydrolysis (%)	0689	2.0500	0.10000	2.7492	0.62818	0.08173	17	-1.11	13%	0
013.00	Fat, Acid hydrolysis (%)	0681	2.0850	0.05000	2.7492	0.62818	0.08173	17	-1.06	12%	0
013.00	Fat, Acid hydrolysis (%)	2080	2.1100	0.08000	2.7492	0.62818	0.08173	17	-1.02	12%	0
013.00	Fat, Acid hydrolysis (%)	0309	2.2557	0.25940	2.7492	0.62818	0.08173	17	-0.79	9%	0
013.00	Fat, Acid hydrolysis (%)	0948	2.5550	0.05000	2.7492	0.62818	0.08173	17	-0.31	4%	0
013.00	Fat, Acid hydrolysis (%)	2004	2.6000	0.00000	2.7492	0.62818	0.08173	17	-0.24	3%	0
013.00	Fat, Acid hydrolysis (%)	0884	2.7000	0.00000	2.7492	0.62818	0.08173	17	-0.08	1%	0
013.00	Fat, Acid hydrolysis (%)	0242	2.7400	0.04000	2.7492	0.62818	0.08173	17	-0.01	0%	0
013.00	Fat, Acid hydrolysis (%)	0541	2.7900	0.14000	2.7492	0.62818	0.08173	17	0.06	1%	0
013.00	Fat, Acid hydrolysis (%)	0652	2.8000	0.00000	2.7492	0.62818	0.08173	17	0.08	1%	0
013.00	Fat, Acid hydrolysis (%)	0910	2.9200	0.18000	2.7492	0.62818	0.08173	17	0.27	3%	0
013.00	Fat, Acid hydrolysis (%)	0098	3.2100	0.12000	2.7492	0.62818	0.08173	17	0.73	8%	0
013.00	Fat, Acid hydrolysis (%)	0139	3.2150	0.01000	2.7492	0.62818	0.08173	17	0.74	8%	0
013.00	Fat, Acid hydrolysis (%)	0202	3.5200	0.02000	2.7492	0.62818	0.08173	17	1.23	14%	0
013.00	Fat, Acid hydrolysis (%)	0615	3.5600	0.20000	2.7492	0.62818	0.08173	17	1.29	15%	0
013.00	Fat, Acid hydrolysis (%)	2057	3.7850	0.11000	2.7492	0.62818	0.08173	17	1.65	19%	0
013.02	Fat, Mojonnier, Bak Ext (%)	2150	2.3900	0.16000	3.1163	0.38752	0.13006	18	-1.87	12%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0208	2.7000	0.06000	3.1163	0.38752	0.13006	18	-1.07	7%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0843	2.7200	0.20000	3.1163	0.38752	0.13006	18	-1.02	6%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0148	2.8500	0.14000	3.1163	0.38752	0.13006	18	-0.69	4%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0643	2.8700	0.10000	3.1163	0.38752	0.13006	18	-0.64	4%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0870	2.9088	0.18100	3.1163	0.38752	0.13006	18	-0.54	3%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0861	2.9100	0.00000	3.1163	0.38752	0.13006	18	-0.53	3%	0
013.02	Fat, Mojonnier, Bak Ext (%)	2073	3.0100	0.28000	3.1163	0.38752	0.13006	18	-0.27	2%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0354	3.0250	0.07000	3.1163	0.38752	0.13006	18	-0.24	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0553	3.0950	0.01000	3.1163	0.38752	0.13006	18	-0.06	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0171	3.1050	0.09000	3.1163	0.38752	0.13006	18	-0.03	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0656	3.3350	0.11000	3.1163	0.38752	0.13006	18	0.56	4%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0051	3.3500	0.10000	3.1163	0.38752	0.13006	18	0.60	4%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0164	3.3500	0.02000	3.1163	0.38752	0.13006	18	0.60	4%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0100	3.4650	0.47000	3.1163	0.38752	0.13006	18	0.90	6%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0650	3.4700	0.14000	3.1163	0.38752	0.13006	18	0.91	6%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0682	3.8600	0.00000	3.1163	0.38752	0.13006	18	1.92	12%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0675	4.5850	0.21000	3.1163	0.38752	0.13006	18	3.79	24%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0957	5.9800	5.4600	3.1163	0.38752	0.13006	18	7.39	46%	1
013.08	Fat, Roese-Gottlieb Modified (%)	0618	2.7550	0.07000				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	
013.10	Fat, Soxtec-Acid Hydrolysis (%)	2095	1.5000	0.60000	2.2250	0.49412	0.23400	5	-1.47	16%	0
013.10	Fat, Soxtec-Acid Hydrolysis (%)	0554	2.0700	0.30000	2.2250	0.49412	0.23400	5	-0.31	3%	0
013.10	Fat, Soxtec-Acid Hydrolysis (%)	0610	2.2750	0.15000	2.2250	0.49412	0.23400	5	0.10	1%	0
013.10	Fat, Soxtec-Acid Hydrolysis (%)	2006	2.4400	0.08000	2.2250	0.49412	0.23400	5	0.44	5%	0
013.10	Fat, Soxtec-Acid Hydrolysis (%)	0353	2.8400	0.04000	2.2250	0.49412	0.23400	5	1.24	14%	0
013.13	Fat, Ankom- Acid Hydrolysis (%)	0027	1.0000	0.02000	2.2141	0.89105	0.18100	5	-1.36	27%	0
013.13	Fat, Ankom- Acid Hydrolysis (%)	0904	2.0350	0.09000	2.2141	0.89105	0.18100	5	-0.20	4%	0
013.13	Fat, Ankom- Acid Hydrolysis (%)	0968	2.1955	0.13500	2.2141	0.89105	0.18100	5	-0.02	0%	0
013.13	Fat, Ankom- Acid Hydrolysis (%)	0581	2.3400	0.26000	2.2141	0.89105	0.18100	5	0.14	3%	0
013.13	Fat, Ankom- Acid Hydrolysis (%)	0265	3.5000	0.40000	2.2141	0.89105	0.18100	5	1.44	29%	0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0049	456.99	10.740	503.54	36.028	10.293	4	-1.29	5%	0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0011	496.68	5.4320	503.54	36.028	10.293	4	-0.19	1%	0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0164	519.00	16.000	503.54	36.028	10.293	4	0.43	2%	0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0171	541.50	9.0000	503.54	36.028	10.293	4	1.05	4%	0
015.42	Aluminum, ICP, Open vessel (mg / kg (ppm))	0560	449.45	12.100				1			0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0353	222.00	4.0000	346.28	120.75	18.629	7	-1.03	18%	0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0510	253.00	8.0000	346.28	120.75	18.629	7	-0.77	13%	0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0918	292.48	27.400	346.28	120.75	18.629	7	-0.45	8%	0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0297	301.00	26.000	346.28	120.75	18.629	7	-0.38	7%	0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0169	408.00	10.000	346.28	120.75	18.629	7	0.51	9%	0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0345	437.50	15.000	346.28	120.75	18.629	7	0.76	13%	0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0021	510.00	40.000	346.28	120.75	18.629	7	1.36	24%	0
015.53	Aluminum, ICP-MS, Microwave (mg / kg (ppm))	2066	317.00	130.00				1			0
017.41	Boron, ICP, Dry ash (mg / kg (ppm))	0229	10.235	0.19000	12.621	1.8337	0.82750	4	-1.30	9%	0
017.41	Boron, ICP, Dry ash (mg / kg (ppm))	0358	12.205	1.0500	12.621	1.8337	0.82750	4	-0.23	2%	0
017.41	Boron, ICP, Dry ash (mg / kg (ppm))	0049	13.640	1.6200	12.621	1.8337	0.82750	4	0.56	4%	0
017.41	Boron, ICP, Dry ash (mg / kg (ppm))	0226	14.405	0.45000	12.621	1.8337	0.82750	4	0.97	7%	0
017.42	Boron, ICP, Open vessel (mg / kg (ppm))	0045	11.200	0.20000	12.549	1.6132	0.19280	4	-0.84	5%	0
017.42	Boron, ICP, Open vessel (mg / kg (ppm))	0693	11.868	0.29120	12.549	1.6132	0.19280	4	-0.42	3%	0
017.42	Boron, ICP, Open vessel (mg / kg (ppm))	0560	12.250	0.10000	12.549	1.6132	0.19280	4	-0.19	1%	0
017.42	Boron, ICP, Open vessel (mg / kg (ppm))	0294	14.880	0.18000	12.549	1.6132	0.19280	4	1.44	9%	0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0345	9.9000	0.20000	11.668	1.2916	0.49600	5	-1.37	8%	0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0918	11.440	0.28000	11.668	1.2916	0.49600	5	-0.18	1%	0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0353	11.500	1.0000	11.668	1.2916	0.49600	5	-0.13	1%	0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0510	12.000	0.00000	11.668	1.2916	0.49600	5	0.26	1%	0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0021	13.500	1.0000	11.668	1.2916	0.49600	5	1.42	8%	0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0297	0.00000	0.00000	11.668	1.2916	0.49600	5			4
019.00	Calcium, Ox-Mn04 Vol. (%)	0681	5.9950	0.19000	8.9320	0.25780	0.07723	11	-11.39	16%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0620	8.5435	0.09250	8.9320	0.25780	0.07723	11	-1.51	2%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	2109	8.7530	0.03400	8.9320	0.25780	0.07723	11	-0.69	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0897	8.8700	0.02000	8.9320	0.25780	0.07723	11	-0.24	0%	0

Test Material Code # 201629

Method Proficiency Testing Report

Issue Date : 10/31/2016

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	
019.00	Calcium, Ox-Mn04 Vol. (%)	0622	8.9538	0.00270	8.9320	0.25780	0.07723	11	0.08	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	2006	9.0335	0.01300	8.9320	0.25780	0.07723	11	0.39	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0937	9.0600	0.06000	8.9320	0.25780	0.07723	11	0.50	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0651	9.0700	0.00000	8.9320	0.25780	0.07723	11	0.54	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0683	9.0850	0.13000	8.9320	0.25780	0.07723	11	0.59	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0043	9.1500	0.30000	8.9320	0.25780	0.07723	11	0.85	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0722	9.1866	0.00730	8.9320	0.25780	0.07723	11	0.99	1%	0
019.02	Calcium, Hach Method (%)	2128	5.0210	0.01000				1			0
019.03	Calcium, Semiauto (Autoanalyzer) (%)	0036	8.9790	0.12750				1			0
019.08	Calcium, EDTA (%)	0689	8.2350	0.09000	8.8138	0.38813	0.11520	8	-1.49	3%	0
019.08	Calcium, EDTA (%)	0940	8.5300	0.28000	8.8138	0.38813	0.11520	8	-0.73	2%	0
019.08	Calcium, EDTA (%)	0590	8.6500	0.10000	8.8138	0.38813	0.11520	8	-0.42	1%	0
019.08	Calcium, EDTA (%)	0629	8.7000	0.22000	8.8138	0.38813	0.11520	8	-0.29	1%	0
019.08	Calcium, EDTA (%)	0885	9.0055	0.00760	8.8138	0.38813	0.11520	8	0.49	1%	0
019.08	Calcium, EDTA (%)	0849	9.0135	0.03300	8.8138	0.38813	0.11520	8	0.51	1%	0
019.08	Calcium, EDTA (%)	0138	9.1265	0.09100	8.8138	0.38813	0.11520	8	0.81	2%	0
019.08	Calcium, EDTA (%)	0852	9.2500	0.10000	8.8138	0.38813	0.11520	8	1.12	2%	0
019.09	Calcium, Ion-selective electrode (%)	2006	8.5505	0.73300				1			0
019.31	Calcium, AAS, Dry ash (%)	0948	7.7250	0.09000	8.9322	0.44168	0.15601	23	-2.73	7%	0
019.31	Calcium, AAS, Dry ash (%)	0142	8.2981	0.16230	8.9322	0.44168	0.15601	23	-1.44	4%	0
019.31	Calcium, AAS, Dry ash (%)	0001	8.3930	0.02800	8.9322	0.44168	0.15601	23	-1.22	3%	0
019.31	Calcium, AAS, Dry ash (%)	0904	8.4900	0.16000	8.9322	0.44168	0.15601	23	-1.00	2%	0
019.31	Calcium, AAS, Dry ash (%)	0653	8.5075	0.02500	8.9322	0.44168	0.15601	23	-0.96	2%	0
019.31	Calcium, AAS, Dry ash (%)	0354	8.5250	0.27000	8.9322	0.44168	0.15601	23	-0.92	2%	0
019.31	Calcium, AAS, Dry ash (%)	0884	8.5800	0.04000	8.9322	0.44168	0.15601	23	-0.80	2%	0
019.31	Calcium, AAS, Dry ash (%)	0723	8.8155	0.00000	8.9322	0.44168	0.15601	23	-0.26	1%	0
019.31	Calcium, AAS, Dry ash (%)	0687	8.8500	0.30000	8.9322	0.44168	0.15601	23	-0.19	0%	0
019.31	Calcium, AAS, Dry ash (%)	0175	8.8750	0.05000	8.9322	0.44168	0.15601	23	-0.13	0%	0
019.31	Calcium, AAS, Dry ash (%)	0014	8.9450	0.13000	8.9322	0.44168	0.15601	23	0.03	0%	0
019.31	Calcium, AAS, Dry ash (%)	0563	8.9675	0.05300	8.9322	0.44168	0.15601	23	0.08	0%	0
019.31	Calcium, AAS, Dry ash (%)	2022	8.9950	0.01000	8.9322	0.44168	0.15601	23	0.14	0%	0
019.31	Calcium, AAS, Dry ash (%)	0108	9.1000	0.70000	8.9322	0.44168	0.15601	23	0.38	1%	0
019.31	Calcium, AAS, Dry ash (%)	0921	9.1580	0.00000	8.9322	0.44168	0.15601	23	0.51	1%	0
019.31	Calcium, AAS, Dry ash (%)	0066	9.1750	0.05600	8.9322	0.44168	0.15601	23	0.55	1%	0
019.31	Calcium, AAS, Dry ash (%)	0208	9.2360	0.49400	8.9322	0.44168	0.15601	23	0.69	2%	0
019.31	Calcium, AAS, Dry ash (%)	0529	9.2600	0.12000	8.9322	0.44168	0.15601	23	0.74	2%	0
019.31	Calcium, AAS, Dry ash (%)	0656	9.2700	0.22000	8.9322	0.44168	0.15601	23	0.76	2%	0
019.31	Calcium, AAS, Dry ash (%)	0152	9.3000	0.20000	8.9322	0.44168	0.15601	23	0.83	2%	0
019.31	Calcium, AAS, Dry ash (%)	0650	9.3350	0.17000	8.9322	0.44168	0.15601	23	0.91	2%	0
019.31	Calcium, AAS, Dry ash (%)	0674	9.5000	0.00000	8.9322	0.44168	0.15601	23	1.29	3%	0
019.31	Calcium, AAS, Dry ash (%)	0018	11.195	0.31000	8.9322	0.44168	0.15601	23	5.12	13%	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 (%)	0233	8.5500	1.3000	8.9322	0.44168	0.15601	23	-0.87	2%	1
019.32	Calcium, AAS, Open vessel (%)	0612	8.5450	0.25000				3			0
019.32	Calcium, AAS, Open vessel (%)	0169	9.1950	0.07000				3			0
019.32	Calcium, AAS, Open vessel (%)	0609	12.525	0.19000				3			0
019.33	Calcium, AAS, Microwave (%)	0010	9.2200	0.14000				1			0
019.41	Calcium, ICP, Dry ash (%)	0139	7.3400	0.08000	8.8179	0.42007	0.16914	28	-3.52	8%	0
019.41	Calcium, ICP, Dry ash (%)	0083	7.9790	0.07400	8.8179	0.42007	0.16914	28	-2.00	5%	0
019.41	Calcium, ICP, Dry ash (%)	0598	8.2050	0.08200	8.8179	0.42007	0.16914	28	-1.46	3%	0
019.41	Calcium, ICP, Dry ash (%)	0682	8.2200	0.00000	8.8179	0.42007	0.16914	28	-1.42	3%	0
019.41	Calcium, ICP, Dry ash (%)	0298	8.4300	0.02000	8.8179	0.42007	0.16914	28	-0.92	2%	0
019.41	Calcium, ICP, Dry ash (%)	0144	8.4950	0.13000	8.8179	0.42007	0.16914	28	-0.77	2%	0
019.41	Calcium, ICP, Dry ash (%)	0098	8.5650	0.33000	8.8179	0.42007	0.16914	28	-0.60	1%	0
019.41	Calcium, ICP, Dry ash (%)	0407	8.6216	0.27330	8.8179	0.42007	0.16914	28	-0.47	1%	0
019.41	Calcium, ICP, Dry ash (%)	0123	8.6850	0.05000	8.8179	0.42007	0.16914	28	-0.32	1%	0
019.41	Calcium, ICP, Dry ash (%)	0051	8.6996	0.15530	8.8179	0.42007	0.16914	28	-0.28	1%	0
019.41	Calcium, ICP, Dry ash (%)	0413	8.7000	0.40000	8.8179	0.42007	0.16914	28	-0.28	1%	0
019.41	Calcium, ICP, Dry ash (%)	0089	8.7100	0.00000	8.8179	0.42007	0.16914	28	-0.26	1%	0
019.41	Calcium, ICP, Dry ash (%)	0164	8.7250	0.07000	8.8179	0.42007	0.16914	28	-0.22	1%	0
019.41	Calcium, ICP, Dry ash (%)	0171	8.7300	0.12000	8.8179	0.42007	0.16914	28	-0.21	0%	0
019.41	Calcium, ICP, Dry ash (%)	0229	8.8100	0.12000	8.8179	0.42007	0.16914	28	-0.02	0%	0
019.41	Calcium, ICP, Dry ash (%)	0511	8.9050	0.15000	8.8179	0.42007	0.16914	28	0.21	0%	0
019.41	Calcium, ICP, Dry ash (%)	0148	8.9800	0.00000	8.8179	0.42007	0.16914	28	0.39	1%	0
019.41	Calcium, ICP, Dry ash (%)	0358	9.0200	0.12000	8.8179	0.42007	0.16914	28	0.48	1%	0
019.41	Calcium, ICP, Dry ash (%)	0019	9.0450	0.03000	8.8179	0.42007	0.16914	28	0.54	1%	0
019.41	Calcium, ICP, Dry ash (%)	0300	9.0475	0.39500	8.8179	0.42007	0.16914	28	0.55	1%	0
019.41	Calcium, ICP, Dry ash (%)	0720	9.1250	0.13000	8.8179	0.42007	0.16914	28	0.73	2%	0
019.41	Calcium, ICP, Dry ash (%)	0074	9.1400	0.26000	8.8179	0.42007	0.16914	28	0.77	2%	0
019.41	Calcium, ICP, Dry ash (%)	2012	9.1450	0.03000	8.8179	0.42007	0.16914	28	0.78	2%	0
019.41	Calcium, ICP, Dry ash (%)	0910	9.1600	0.70000	8.8179	0.42007	0.16914	28	0.81	2%	0
019.41	Calcium, ICP, Dry ash (%)	0208	9.1770	0.04400	8.8179	0.42007	0.16914	28	0.85	2%	0
019.41	Calcium, ICP, Dry ash (%)	0226	9.2900	0.04000	8.8179	0.42007	0.16914	28	1.12	3%	0
019.41	Calcium, ICP, Dry ash (%)	0049	9.6650	0.91000	8.8179	0.42007	0.16914	28	2.02	5%	0
019.41	Calcium, ICP, Dry ash (%)	0011	10.360	0.02240	8.8179	0.42007	0.16914	28	3.67	9%	0
019.41	Calcium, ICP, Dry ash (%)	0405	6.4350	2.7300	8.8179	0.42007	0.16914	28	-5.67	14%	1
019.41	Calcium, ICP, Dry ash (%)	0848	0.96000	0.00000	8.8179	0.42007	0.16914	28	-18.71	45%	2
019.42	Calcium, ICP, Open vessel (%)	2051	6.0450	0.11000	8.8719	0.66168	0.28910	23	-4.27	16%	0
019.42	Calcium, ICP, Open vessel (%)	0026	6.9400	1.2000	8.8719	0.66168	0.28910	23	-2.92	11%	0
019.42	Calcium, ICP, Open vessel (%)	0187	7.5250	0.05000	8.8719	0.66168	0.28910	23	-2.04	8%	0
019.42	Calcium, ICP, Open vessel (%)	0042	8.0000	0.14000	8.8719	0.66168	0.28910	23	-1.32	5%	0
019.42	Calcium, ICP, Open vessel (%)	0037	8.4400	0.34000	8.8719	0.66168	0.28910	23	-0.65	2%	0
019.42	Calcium, ICP, Open vessel (%)	0870	8.6235	0.45700	8.8719	0.66168	0.28910	23	-0.38	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	
019.42	Calcium, ICP, Open vessel (%)	0202	8.6500	0.06000	8.8719	0.66168	0.28910	23	-0.34	1%	0
019.42	Calcium, ICP, Open vessel (%)	0205	8.6650	0.11000	8.8719	0.66168	0.28910	23	-0.31	1%	0
019.42	Calcium, ICP, Open vessel (%)	0555	8.7189	0.28680	8.8719	0.66168	0.28910	23	-0.23	1%	0
019.42	Calcium, ICP, Open vessel (%)	0294	8.8400	0.14000	8.8719	0.66168	0.28910	23	-0.05	0%	0
019.42	Calcium, ICP, Open vessel (%)	0045	8.9500	0.00000	8.8719	0.66168	0.28910	23	0.12	0%	0
019.42	Calcium, ICP, Open vessel (%)	0560	8.9750	0.29000	8.8719	0.66168	0.28910	23	0.16	1%	0
019.42	Calcium, ICP, Open vessel (%)	2129	8.9950	0.15000	8.8719	0.66168	0.28910	23	0.19	1%	0
019.42	Calcium, ICP, Open vessel (%)	0357	8.9999	0.03900	8.8719	0.66168	0.28910	23	0.19	1%	0
019.42	Calcium, ICP, Open vessel (%)	0366	9.0000	0.58000	8.8719	0.66168	0.28910	23	0.19	1%	0
019.42	Calcium, ICP, Open vessel (%)	0693	9.0390	0.21860	8.8719	0.66168	0.28910	23	0.25	1%	0
019.42	Calcium, ICP, Open vessel (%)	0265	9.0700	0.32000	8.8719	0.66168	0.28910	23	0.30	1%	0
019.42	Calcium, ICP, Open vessel (%)	0504	9.2760	0.24800	8.8719	0.66168	0.28910	23	0.61	2%	0
019.42	Calcium, ICP, Open vessel (%)	0190	9.3450	0.21000	8.8719	0.66168	0.28910	23	0.71	3%	0
019.42	Calcium, ICP, Open vessel (%)	0278	9.5250	0.03000	8.8719	0.66168	0.28910	23	0.99	4%	0
019.42	Calcium, ICP, Open vessel (%)	0726	9.5750	0.05000	8.8719	0.66168	0.28910	23	1.06	4%	0
019.42	Calcium, ICP, Open vessel (%)	0692	10.250	0.10000	8.8719	0.66168	0.28910	23	2.08	8%	0
019.42	Calcium, ICP, Open vessel (%)	0613	12.120	1.5200	8.8719	0.66168	0.28910	23	4.91	18%	0
019.42	Calcium, ICP, Open vessel (%)	2053	17.850	2.1000	8.8719	0.66168	0.28910	23	13.57	51%	1
019.43	Calcium, ICP, Microwave (%)	0043	7.6150	0.03000	8.9061	0.62602	0.12206	22	-2.06	7%	0
019.43	Calcium, ICP, Microwave (%)	0345	7.9050	0.05000	8.9061	0.62602	0.12206	22	-1.60	6%	0
019.43	Calcium, ICP, Microwave (%)	0510	8.0650	0.07000	8.9061	0.62602	0.12206	22	-1.34	5%	0
019.43	Calcium, ICP, Microwave (%)	0036	8.4371	0.09390	8.9061	0.62602	0.12206	22	-0.75	3%	0
019.43	Calcium, ICP, Microwave (%)	0675	8.4450	0.01000	8.9061	0.62602	0.12206	22	-0.74	3%	0
019.43	Calcium, ICP, Microwave (%)	0629	8.5950	0.03000	8.9061	0.62602	0.12206	22	-0.50	2%	0
019.43	Calcium, ICP, Microwave (%)	0297	8.6100	0.06000	8.9061	0.62602	0.12206	22	-0.47	2%	0
019.43	Calcium, ICP, Microwave (%)	0028	8.6450	0.07000	8.9061	0.62602	0.12206	22	-0.42	1%	0
019.43	Calcium, ICP, Microwave (%)	0918	8.7440	0.14600	8.9061	0.62602	0.12206	22	-0.26	1%	0
019.43	Calcium, ICP, Microwave (%)	0098	8.7450	0.01000	8.9061	0.62602	0.12206	22	-0.26	1%	0
019.43	Calcium, ICP, Microwave (%)	2143	8.8250	0.21000	8.9061	0.62602	0.12206	22	-0.13	0%	0
019.43	Calcium, ICP, Microwave (%)	0021	8.9000	0.40000	8.9061	0.62602	0.12206	22	-0.01	0%	0
019.43	Calcium, ICP, Microwave (%)	0034	8.9688	0.11160	8.9061	0.62602	0.12206	22	0.10	0%	0
019.43	Calcium, ICP, Microwave (%)	0353	9.1200	0.10000	8.9061	0.62602	0.12206	22	0.34	1%	0
019.43	Calcium, ICP, Microwave (%)	2089	9.1650	0.33000	8.9061	0.62602	0.12206	22	0.41	1%	0
019.43	Calcium, ICP, Microwave (%)	0425	9.2250	0.01000	8.9061	0.62602	0.12206	22	0.51	2%	0
019.43	Calcium, ICP, Microwave (%)	0968	9.2545	0.02300	8.9061	0.62602	0.12206	22	0.56	2%	0
019.43	Calcium, ICP, Microwave (%)	0861	9.4550	0.19000	8.9061	0.62602	0.12206	22	0.88	3%	0
019.43	Calcium, ICP, Microwave (%)	0027	9.6200	0.22000	8.9061	0.62602	0.12206	22	1.14	4%	0
019.43	Calcium, ICP, Microwave (%)	0964	9.6356	0.45490	8.9061	0.62602	0.12206	22	1.17	4%	0
019.43	Calcium, ICP, Microwave (%)	0006	9.7550	0.02600	8.9061	0.62602	0.12206	22	1.36	5%	0
019.43	Calcium, ICP, Microwave (%)	0033	9.7900	0.04000	8.9061	0.62602	0.12206	22	1.41	5%	0
019.43	Calcium, ICP, Microwave (%)	0035	9.4000	0.88000	8.9061	0.62602	0.12206	22	0.79	3%	1



Test Material Code # 201629

Method Proficiency Testing Report

Issue Date : 10/31/2016

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
019.44	Calcium, ICP, Dry ash (%)	2004	8.0900	0.42000				1			0
019.52	Calcium, ICP-MS, Open vessel (%)	0047	8.0550	0.01000				2			0
019.52	Calcium, ICP-MS, Open vessel (%)	0154	8.2994	0.16340				2			0
019.53	Calcium, ICP-MS, Microwave (%)	2066	8.4350	0.33000				2			0
019.53	Calcium, ICP-MS, Microwave (%)	0572	8.8000	0.04000				2			0
019.99	Calcium, Miscellaneous (%)	2105	4.5650	0.43000	8.5553	0.88274	0.31817	6	-4.52	23%	0
019.99	Calcium, Miscellaneous (%)	0889	8.0815	0.62500	8.5553	0.88274	0.31817	6	-0.54	3%	0
019.99	Calcium, Miscellaneous (%)	0676	8.7090	0.17400	8.5553	0.88274	0.31817	6	0.17	1%	0
019.99	Calcium, Miscellaneous (%)	0035	8.9150	0.05000	8.5553	0.88274	0.31817	6	0.41	2%	0
019.99	Calcium, Miscellaneous (%)	0242	9.0050	0.33000	8.5553	0.88274	0.31817	6	0.51	3%	0
019.99	Calcium, Miscellaneous (%)	0100	9.3900	0.30000	8.5553	0.88274	0.31817	6	0.95	5%	0
021.31	Cobalt, AAS, Dry ash (mg / kg (ppm))	0208	11.300	0.40000				2			0
021.31	Cobalt, AAS, Dry ash (mg / kg (ppm))	0164	12.000	0.00000				2			0
021.41	Cobalt, ICP, Dry ash (mg / kg (ppm))	0619	4.3750	0.01000				2			0
021.41	Cobalt, ICP, Dry ash (mg / kg (ppm))	0011	13.297	0.02600				2			0
021.42	Cobalt, ICP, Open vessel (mg / kg (ppm))	2051	7.6000	0.54000	8.7280	0.96706	0.62090	5	-1.17	6%	0
021.42	Cobalt, ICP, Open vessel (mg / kg (ppm))	0693	8.3399	0.36450	8.7280	0.96706	0.62090	5	-0.40	2%	0
021.42	Cobalt, ICP, Open vessel (mg / kg (ppm))	2053	8.7000	1.6000	8.7280	0.96706	0.62090	5	-0.03	0%	0
021.42	Cobalt, ICP, Open vessel (mg / kg (ppm))	0366	8.7500	0.50000	8.7280	0.96706	0.62090	5	0.02	0%	0
021.42	Cobalt, ICP, Open vessel (mg / kg (ppm))	0560	10.250	0.10000	8.7280	0.96706	0.62090	5	1.57	9%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0675	6.6050	0.31000	10.554	2.6624	0.16847	9	-1.48	19%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0345	7.3750	0.25000	10.554	2.6624	0.16847	9	-1.19	15%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0510	9.5300	0.18000	10.554	2.6624	0.16847	9	-0.38	5%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0043	10.500	0.20000	10.554	2.6624	0.16847	9	-0.02	0%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0169	11.050	0.10000	10.554	2.6624	0.16847	9	0.19	2%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0027	11.400	0.40000	10.554	2.6624	0.16847	9	0.32	4%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0964	12.204	0.06620	10.554	2.6624	0.16847	9	0.62	8%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0021	13.000	0.00000	10.554	2.6624	0.16847	9	0.92	12%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0504	13.325	0.01000	10.554	2.6624	0.16847	9	1.04	13%	0
021.52	Cobalt, ICP-MS, Open vessel (mg / kg (ppm))	0555	8.9500	0.50000				3			0
021.52	Cobalt, ICP-MS, Open vessel (mg / kg (ppm))	0047	8.9750	0.19000				3			0
021.52	Cobalt, ICP-MS, Open vessel (mg / kg (ppm))	0910	9.1850	1.8100				3			0
021.53	Cobalt, ICP-MS, Microwave (mg / kg (ppm))	0098	8.0575	0.51300	10.197	2.4252	1.3903	4	-0.88	10%	0
021.53	Cobalt, ICP-MS, Microwave (mg / kg (ppm))	2066	8.7550	2.1900	10.197	2.4252	1.3903	4	-0.59	7%	0
021.53	Cobalt, ICP-MS, Microwave (mg / kg (ppm))	0918	10.476	1.8583	10.197	2.4252	1.3903	4	0.11	1%	0
021.53	Cobalt, ICP-MS, Microwave (mg / kg (ppm))	0021	13.500	1.0000	10.197	2.4252	1.3903	4	1.36	16%	0
021.99	Cobalt, Miscellaneous (mg / kg (ppm))	0590	13.050	0.50000				1			0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0689	247.85	16.100	268.90	12.886	7.0243	13	-1.63	4%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0629	252.50	5.0000	268.90	12.886	7.0243	13	-1.27	3%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0001	255.25	0.50000	268.90	12.886	7.0243	13	-1.06	3%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0066	260.84	4.9300	268.90	12.886	7.0243	13	-0.63	1%	0

Test Material Code # 201629

Method Proficiency Testing Report

Issue Date : 10/31/2016

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))	0563	263.71	5.7255	268.90	12.886	7.0243	13	-0.40	1%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0529	270.75	0.30000	268.90	12.886	7.0243	13	0.14	0%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0208	272.00	8.0000	268.90	12.886	7.0243	13	0.24	1%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0014	273.50	23.000	268.90	12.886	7.0243	13	0.36	1%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0175	277.00	10.000	268.90	12.886	7.0243	13	0.63	2%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0723	277.00	0.00000	268.90	12.886	7.0243	13	0.63	2%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0354	279.78	5.0000	268.90	12.886	7.0243	13	0.84	2%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0904	280.09	11.310	268.90	12.886	7.0243	13	0.87	2%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0656	283.73	1.4500	268.90	12.886	7.0243	13	1.15	3%	0
022.32	Copper, AAS, Open vessel (mg / kg (ppm))	0609	266.00	8.0000				3			0
022.32	Copper, AAS, Open vessel (mg / kg (ppm))	2128	271.32	2.8870				3			0
022.32	Copper, AAS, Open vessel (mg / kg (ppm))	0504	283.40	24.800				3			0
022.33	Copper, AAS, Microwave (mg / kg (ppm))	0035	276.00	4.0000	280.70	6.0058	4.2725	4	-0.78	1%	0
022.33	Copper, AAS, Microwave (mg / kg (ppm))	0504	277.10	10.600	280.70	6.0058	4.2725	4	-0.60	1%	0
022.33	Copper, AAS, Microwave (mg / kg (ppm))	0948	280.46	1.7900	280.70	6.0058	4.2725	4	-0.04	0%	0
022.33	Copper, AAS, Microwave (mg / kg (ppm))	0010	289.25	0.70000	280.70	6.0058	4.2725	4	1.42	2%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0405	203.50	7.0000	267.54	12.548	10.070	23	-5.10	12%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0682	237.00	0.00000	267.54	12.548	10.070	23	-2.43	6%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0083	251.50	1.0000	267.54	12.548	10.070	23	-1.28	3%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0148	256.05	0.70000	267.54	12.548	10.070	23	-0.92	2%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0098	257.00	4.8000	267.54	12.548	10.070	23	-0.84	2%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0171	257.50	11.000	267.54	12.548	10.070	23	-0.80	2%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0049	258.45	2.5100	267.54	12.548	10.070	23	-0.72	2%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0019	261.85	2.9000	267.54	12.548	10.070	23	-0.45	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0164	264.00	2.0000	267.54	12.548	10.070	23	-0.28	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0511	265.50	27.000	267.54	12.548	10.070	23	-0.16	0%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0910	269.00	4.0000	267.54	12.548	10.070	23	0.12	0%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0598	269.05	5.9000	267.54	12.548	10.070	23	0.12	0%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0720	270.65	8.7180	267.54	12.548	10.070	23	0.25	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0407	273.16	38.558	267.54	12.548	10.070	23	0.45	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	2012	273.50	4.1000	267.54	12.548	10.070	23	0.48	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0610	274.00	2.0000	267.54	12.548	10.070	23	0.52	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0208	274.10	23.000	267.54	12.548	10.070	23	0.52	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0229	274.37	7.2000	267.54	12.548	10.070	23	0.54	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0358	275.50	19.600	267.54	12.548	10.070	23	0.63	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0074	277.50	23.000	267.54	12.548	10.070	23	0.79	2%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0051	280.53	17.600	267.54	12.548	10.070	23	1.04	2%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0226	292.00	12.000	267.54	12.548	10.070	23	1.95	5%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0011	339.37	7.0300	267.54	12.548	10.070	23	5.72	13%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	2053	190.50	9.0000	269.81	25.714	7.9730	22	-3.08	15%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	2051	221.00	14.000	269.81	25.714	7.9730	22	-1.90	9%	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	
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0026	232.00	2.0000	269.81	25.714	7.9730	22	-1.47	7%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0037	240.30	0.00000	269.81	25.714	7.9730	22	-1.15	5%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0726	258.30	0.60000	269.81	25.714	7.9730	22	-0.45	2%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0357	259.55	0.20400	269.81	25.714	7.9730	22	-0.40	2%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0202	260.01	0.04000	269.81	25.714	7.9730	22	-0.38	2%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0265	260.50	5.0000	269.81	25.714	7.9730	22	-0.36	2%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0042	261.50	5.0000	269.81	25.714	7.9730	22	-0.32	2%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0294	264.38	0.84000	269.81	25.714	7.9730	22	-0.21	1%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0366	272.50	11.000	269.81	25.714	7.9730	22	0.10	0%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0187	272.51	0.59000	269.81	25.714	7.9730	22	0.10	0%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0870	272.60	6.8000	269.81	25.714	7.9730	22	0.11	1%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0278	275.25	8.3000	269.81	25.714	7.9730	22	0.21	1%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0045	278.50	7.0000	269.81	25.714	7.9730	22	0.34	2%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0413	282.00	16.000	269.81	25.714	7.9730	22	0.47	2%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0693	290.87	3.7413	269.81	25.714	7.9730	22	0.82	4%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0560	291.80	6.6000	269.81	25.714	7.9730	22	0.85	4%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0555	295.50	17.000	269.81	25.714	7.9730	22	1.00	5%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0685	296.70	1.8900	269.81	25.714	7.9730	22	1.05	5%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0190	300.30	2.8000	269.81	25.714	7.9730	22	1.19	6%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0692	322.50	57.000	269.81	25.714	7.9730	22	2.05	10%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0613	424.50	206.80	269.81	25.714	7.9730	22	6.02	29%	1
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0043	186.00	6.0000	269.26	26.544	3.3897	19	-3.14	15%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0345	216.00	2.0000	269.26	26.544	3.3897	19	-2.01	10%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0675	238.36	3.6400	269.26	26.544	3.3897	19	-1.16	6%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0510	246.00	4.0000	269.26	26.544	3.3897	19	-0.88	4%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	2089	254.09	2.6300	269.26	26.544	3.3897	19	-0.57	3%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0629	260.00	0.00000	269.26	26.544	3.3897	19	-0.35	2%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0918	260.50	0.71000	269.26	26.544	3.3897	19	-0.33	2%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0968	264.00	2.0000	269.26	26.544	3.3897	19	-0.20	1%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0098	266.60	4.0000	269.26	26.544	3.3897	19	-0.10	0%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	2143	269.68	1.3700	269.26	26.544	3.3897	19	0.02	0%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0504	272.00	3.0000	269.26	26.544	3.3897	19	0.10	1%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0169	273.50	7.0000	269.26	26.544	3.3897	19	0.16	1%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0425	278.40	4.2000	269.26	26.544	3.3897	19	0.34	2%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0035	287.00	4.0000	269.26	26.544	3.3897	19	0.67	3%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0861	287.00	6.0000	269.26	26.544	3.3897	19	0.67	3%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0297	292.00	8.0000	269.26	26.544	3.3897	19	0.86	4%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0964	292.21	1.2240	269.26	26.544	3.3897	19	0.86	4%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0027	306.78	0.63000	269.26	26.544	3.3897	19	1.41	7%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0353	309.00	4.0000	269.26	26.544	3.3897	19	1.50	7%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0021	260.00	20.000	269.26	26.544	3.3897	19	-0.35	2%	1

Test Material Code # 201629

Method Proficiency Testing Report

Issue Date : 10/31/2016

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			
022.44	Copper, ICP, Dry ash (mg / kg (ppm))	2004	266.17	8.3400				1			0
022.52	Copper, ICP-MS, Open vessel (mg / kg (ppm))	0555	254.45	22.900				2			0
022.52	Copper, ICP-MS, Open vessel (mg / kg (ppm))	0047	254.80	0.20000				2			0
022.53	Copper, ICP-MS, Microwave (mg / kg (ppm))	2066	236.50	13.000				3			0
022.53	Copper, ICP-MS, Microwave (mg / kg (ppm))	0572	284.50	1.0000				3			0
022.53	Copper, ICP-MS, Microwave (mg / kg (ppm))	0021	290.00	20.000				3			0
022.99	Copper, Miscellaneous (mg / kg (ppm))	2144	144.49	1.9900	277.25	9.9457	6.7980	5	-13.35	24%	0
022.99	Copper, Miscellaneous (mg / kg (ppm))	0590	263.50	3.0000	277.25	9.9457	6.7980	5	-1.38	2%	0
022.99	Copper, Miscellaneous (mg / kg (ppm))	2129	276.50	5.0000	277.25	9.9457	6.7980	5	-0.08	0%	0
022.99	Copper, Miscellaneous (mg / kg (ppm))	0100	283.50	17.000	277.25	9.9457	6.7980	5	0.63	1%	0
022.99	Copper, Miscellaneous (mg / kg (ppm))	0242	285.50	7.0000	277.25	9.9457	6.7980	5	0.83	1%	0
023.01	Fluorine, Ion Sel Elect (mg / kg (ppm))	0910	16.650	1.5000				1			0
024.03	Iodine, Ion-selective electrode (mg / kg (ppm))	0171	10.000	0.00000				1			0
024.52	Iodine, ICP-MS, Open vessel (mg / kg (ppm))	0027	16.705	1.3900				1			0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0921	552.35	0.00000	827.90	78.545	18.960	12	-3.51	17%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0689	564.50	10.800	827.90	78.545	18.960	12	-3.35	16%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0563	749.50	1.0000	827.90	78.545	18.960	12	-1.00	5%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0629	786.50	15.000	827.90	78.545	18.960	12	-0.53	3%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0723	858.00	0.00000	827.90	78.545	18.960	12	0.38	2%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0175	859.00	22.000	827.90	78.545	18.960	12	0.40	2%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0066	862.95	25.950	827.90	78.545	18.960	12	0.45	2%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0656	866.73	22.800	827.90	78.545	18.960	12	0.49	2%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0354	867.30	5.9400	827.90	78.545	18.960	12	0.50	2%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0904	884.14	32.530	827.90	78.545	18.960	12	0.72	3%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0208	885.50	69.000	827.90	78.545	18.960	12	0.73	3%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0529	895.05	22.500	827.90	78.545	18.960	12	0.85	4%	0
025.32	Iron, AAS, Open vessel (mg / kg (ppm))	2128	273.18	6.3260				3			0
025.32	Iron, AAS, Open vessel (mg / kg (ppm))	0609	785.00	42.000				3			0
025.32	Iron, AAS, Open vessel (mg / kg (ppm))	0504	834.25	59.700				3			0
025.33	Iron, AAS, Microwave (mg / kg (ppm))	0504	834.10	4.2000				2			0
025.33	Iron, AAS, Microwave (mg / kg (ppm))	0948	842.88	2.8320				2			0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0083	608.00	24.000	811.36	57.447	24.266	24	-3.54	13%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0720	692.70	5.4000	811.36	57.447	24.266	24	-2.07	7%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0682	709.00	0.00000	811.36	57.447	24.266	24	-1.78	6%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0619	726.50	13.000	811.36	57.447	24.266	24	-1.48	5%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0171	769.00	12.000	811.36	57.447	24.266	24	-0.74	3%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	2004	783.04	54.080	811.36	57.447	24.266	24	-0.49	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0598	787.30	0.60000	811.36	57.447	24.266	24	-0.42	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0610	789.50	5.0000	811.36	57.447	24.266	24	-0.38	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0229	807.70	23.580	811.36	57.447	24.266	24	-0.06	0%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0049	814.28	36.650	811.36	57.447	24.266	24	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	
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0164	815.00	0.00000	811.36	57.447	24.266	24	0.06	0%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	2012	817.15	49.070	811.36	57.447	24.266	24	0.10	0%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0407	819.44	30.519	811.36	57.447	24.266	24	0.14	0%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0098	819.50	66.800	811.36	57.447	24.266	24	0.14	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0226	825.50	35.000	811.36	57.447	24.266	24	0.25	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0051	829.00	18.000	811.36	57.447	24.266	24	0.31	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0910	831.00	4.0000	811.36	57.447	24.266	24	0.34	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0019	833.65	3.7000	811.36	57.447	24.266	24	0.39	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0148	836.00	5.2000	811.36	57.447	24.266	24	0.43	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0358	862.63	47.400	811.36	57.447	24.266	24	0.89	3%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0074	865.00	78.000	811.36	57.447	24.266	24	0.93	3%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0511	875.50	31.000	811.36	57.447	24.266	24	1.12	4%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0208	892.90	34.800	811.36	57.447	24.266	24	1.42	5%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0011	926.17	4.5800	811.36	57.447	24.266	24	2.00	7%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0405	1,965.0	98.000	811.36	57.447	24.266	24	20.08	71%	2
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0187	137.07	1.0600	689.37	115.08	32.703	17	-4.80	40%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	2051	145.50	1.0000	689.37	115.08	32.703	17	-4.73	39%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0726	553.50	17.200	689.37	115.08	32.703	17	-1.18	10%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0613	599.20	87.800	689.37	115.08	32.703	17	-0.78	7%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0555	606.00	48.000	689.37	115.08	32.703	17	-0.72	6%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0560	632.20	41.200	689.37	115.08	32.703	17	-0.50	4%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0278	672.00	32.000	689.37	115.08	32.703	17	-0.15	1%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0190	699.15	5.3000	689.37	115.08	32.703	17	0.08	1%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0413	709.50	19.000	689.37	115.08	32.703	17	0.17	1%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0870	736.60	68.400	689.37	115.08	32.703	17	0.41	3%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0037	742.60	5.6000	689.37	115.08	32.703	17	0.46	4%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0692	749.00	50.000	689.37	115.08	32.703	17	0.52	4%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0693	780.10	39.783	689.37	115.08	32.703	17	0.79	7%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0294	787.93	3.6000	689.37	115.08	32.703	17	0.86	7%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0045	795.50	11.000	689.37	115.08	32.703	17	0.92	8%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0042	807.00	110.00	689.37	115.08	32.703	17	1.02	9%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0366	815.50	15.000	689.37	115.08	32.703	17	1.10	9%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0265	629.50	245.00	689.37	115.08	32.703	17	-0.52	4%	1
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2089	314.68	117.14	723.11	129.08	29.471	17	-3.16	28%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0353	350.00	6.0000	723.11	129.08	29.471	17	-2.89	26%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0968	609.50	1.0000	723.11	129.08	29.471	17	-0.88	8%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0675	611.92	12.830	723.11	129.08	29.471	17	-0.86	8%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0043	641.00	24.000	723.11	129.08	29.471	17	-0.64	6%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0345	664.00	16.000	723.11	129.08	29.471	17	-0.46	4%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0918	699.38	82.470	723.11	129.08	29.471	17	-0.18	2%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0510	704.00	4.0000	723.11	129.08	29.471	17	-0.15	1%	0

Test Material Code # 201629

Method Proficiency Testing Report

Issue Date : 10/31/2016

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))	0098	749.60	73.600	723.11	129.08	29.471	17	0.21	2%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0425	754.85	46.300	723.11	129.08	29.471	17	0.25	2%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0169	757.50	7.0000	723.11	129.08	29.471	17	0.27	2%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0034	768.25	6.7000	723.11	129.08	29.471	17	0.35	3%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0629	805.00	0.00000	723.11	129.08	29.471	17	0.63	6%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0021	845.00	30.000	723.11	129.08	29.471	17	0.94	8%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0861	856.50	39.000	723.11	129.08	29.471	17	1.03	9%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0964	879.91	29.962	723.11	129.08	29.471	17	1.21	11%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0297	887.50	5.0000	723.11	129.08	29.471	17	1.27	11%	0
025.52	Iron, ICP-MS, Open vessel (mg / kg (ppm))	0555	698.70	33.400				1			0
025.53	Iron, ICP-MS, Microwave (mg / kg (ppm))	2066	665.50	43.000				1			0
025.99	Iron, Miscellaneous (mg / kg (ppm))	0100	690.00	4.0000				3			0
025.99	Iron, Miscellaneous (mg / kg (ppm))	0242	690.50	59.000				3			0
025.99	Iron, Miscellaneous (mg / kg (ppm))	0590	849.50	9.0000				3			0
027.31	Magnesium, AAS, Dry ash (%)	0001	0.57990	0.01560	0.67670	0.04804	0.01319	15	-2.01	7%	0
027.31	Magnesium, AAS, Dry ash (%)	0689	0.62000	0.02000	0.67670	0.04804	0.01319	15	-1.18	4%	0
027.31	Magnesium, AAS, Dry ash (%)	2022	0.62800	0.00400	0.67670	0.04804	0.01319	15	-1.01	4%	0
027.31	Magnesium, AAS, Dry ash (%)	0142	0.63100	0.02000	0.67670	0.04804	0.01319	15	-0.95	3%	0
027.31	Magnesium, AAS, Dry ash (%)	0629	0.65000	0.00000	0.67670	0.04804	0.01319	15	-0.56	2%	0
027.31	Magnesium, AAS, Dry ash (%)	0014	0.66950	0.03300	0.67670	0.04804	0.01319	15	-0.15	1%	0
027.31	Magnesium, AAS, Dry ash (%)	0066	0.68050	0.00900	0.67670	0.04804	0.01319	15	0.08	0%	0
027.31	Magnesium, AAS, Dry ash (%)	0650	0.68275	0.01250	0.67670	0.04804	0.01319	15	0.13	0%	0
027.31	Magnesium, AAS, Dry ash (%)	0563	0.68705	0.00570	0.67670	0.04804	0.01319	15	0.22	1%	0
027.31	Magnesium, AAS, Dry ash (%)	0175	0.69000	0.02000	0.67670	0.04804	0.01319	15	0.28	1%	0
027.31	Magnesium, AAS, Dry ash (%)	0529	0.69700	0.00000	0.67670	0.04804	0.01319	15	0.42	2%	0
027.31	Magnesium, AAS, Dry ash (%)	0354	0.71500	0.01000	0.67670	0.04804	0.01319	15	0.80	3%	0
027.31	Magnesium, AAS, Dry ash (%)	0208	0.72000	0.01800	0.67670	0.04804	0.01319	15	0.90	3%	0
027.31	Magnesium, AAS, Dry ash (%)	0656	0.73500	0.01000	0.67670	0.04804	0.01319	15	1.21	4%	0
027.31	Magnesium, AAS, Dry ash (%)	0904	0.74000	0.02000	0.67670	0.04804	0.01319	15	1.32	5%	0
027.32	Magnesium, AAS, Open vessel (%)	0609	0.66500	0.01000	0.68963	0.02071	0.00775	4	-1.19	2%	0
027.32	Magnesium, AAS, Open vessel (%)	0169	0.68500	0.01000	0.68963	0.02071	0.00775	4	-0.22	0%	0
027.32	Magnesium, AAS, Open vessel (%)	0504	0.69350	0.00100	0.68963	0.02071	0.00775	4	0.19	0%	0
027.32	Magnesium, AAS, Open vessel (%)	0612	0.71500	0.01000	0.68963	0.02071	0.00775	4	1.23	2%	0
027.33	Magnesium, AAS, Microwave (%)	0948	0.62000	0.02000				3			0
027.33	Magnesium, AAS, Microwave (%)	0035	0.68000	0.00000				3			0
027.33	Magnesium, AAS, Microwave (%)	0504	0.71500	0.00200				3			0
027.41	Magnesium, ICP, Dry ash (%)	0405	0.37000	0.04000	0.67708	0.03550	0.01158	26	-8.65	23%	0
027.41	Magnesium, ICP, Dry ash (%)	0083	0.60200	0.00000	0.67708	0.03550	0.01158	26	-2.12	6%	0
027.41	Magnesium, ICP, Dry ash (%)	0413	0.64500	0.01000	0.67708	0.03550	0.01158	26	-0.90	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0619	0.64500	0.01200	0.67708	0.03550	0.01158	26	-0.90	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0598	0.64530	0.00880	0.67708	0.03550	0.01158	26	-0.90	2%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
027.41	Magnesium, ICP, Dry ash (%)	0720	0.65500	0.03000	0.67708	0.03550	0.01158	26	-0.62	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0019	0.66000	0.00000	0.67708	0.03550	0.01158	26	-0.48	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0229	0.66000	0.02200	0.67708	0.03550	0.01158	26	-0.48	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0682	0.66000	0.00000	0.67708	0.03550	0.01158	26	-0.48	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0171	0.66250	0.01300	0.67708	0.03550	0.01158	26	-0.41	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0049	0.66500	0.01000	0.67708	0.03550	0.01158	26	-0.34	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0051	0.66685	0.00570	0.67708	0.03550	0.01158	26	-0.29	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0164	0.66950	0.00300	0.67708	0.03550	0.01158	26	-0.21	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0148	0.67450	0.00100	0.67708	0.03550	0.01158	26	-0.07	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0511	0.67500	0.01000	0.67708	0.03550	0.01158	26	-0.06	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0407	0.67810	0.00940	0.67708	0.03550	0.01158	26	0.03	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0098	0.68500	0.03000	0.67708	0.03550	0.01158	26	0.22	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0910	0.68500	0.01000	0.67708	0.03550	0.01158	26	0.22	1%	0
027.41	Magnesium, ICP, Dry ash (%)	2012	0.68500	0.01000	0.67708	0.03550	0.01158	26	0.22	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0226	0.70000	0.00000	0.67708	0.03550	0.01158	26	0.65	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0848	0.71000	0.00000	0.67708	0.03550	0.01158	26	0.93	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0208	0.71900	0.00200	0.67708	0.03550	0.01158	26	1.18	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0610	0.72000	0.02000	0.67708	0.03550	0.01158	26	1.21	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0074	0.73000	0.04000	0.67708	0.03550	0.01158	26	1.49	4%	0
027.41	Magnesium, ICP, Dry ash (%)	0011	0.81020	0.00620	0.67708	0.03550	0.01158	26	3.75	10%	0
027.41	Magnesium, ICP, Dry ash (%)	0139	0.98070	0.00800	0.67708	0.03550	0.01158	26	8.55	22%	0
027.41	Magnesium, ICP, Dry ash (%)	0358	0.72000	0.06000	0.67708	0.03550	0.01158	26	1.21	3%	1
027.42	Magnesium, ICP, Open vessel (%)	0026	0.56500	0.03000	0.68211	0.04465	0.01600	22	-2.62	9%	0
027.42	Magnesium, ICP, Open vessel (%)	2051	0.61500	0.03000	0.68211	0.04465	0.01600	22	-1.50	5%	0
027.42	Magnesium, ICP, Open vessel (%)	0042	0.63300	0.02600	0.68211	0.04465	0.01600	22	-1.10	4%	0
027.42	Magnesium, ICP, Open vessel (%)	0294	0.64000	0.00000	0.68211	0.04465	0.01600	22	-0.94	3%	0
027.42	Magnesium, ICP, Open vessel (%)	2129	0.64900	0.00200	0.68211	0.04465	0.01600	22	-0.74	2%	0
027.42	Magnesium, ICP, Open vessel (%)	0202	0.65000	0.00000	0.68211	0.04465	0.01600	22	-0.72	2%	0
027.42	Magnesium, ICP, Open vessel (%)	0265	0.66000	0.02000	0.68211	0.04465	0.01600	22	-0.50	2%	0
027.42	Magnesium, ICP, Open vessel (%)	0357	0.66320	0.00220	0.68211	0.04465	0.01600	22	-0.42	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0037	0.67500	0.01000	0.68211	0.04465	0.01600	22	-0.16	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0366	0.67500	0.01000	0.68211	0.04465	0.01600	22	-0.16	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0870	0.68680	0.02180	0.68211	0.04465	0.01600	22	0.11	0%	0
027.42	Magnesium, ICP, Open vessel (%)	0555	0.68995	0.03990	0.68211	0.04465	0.01600	22	0.18	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0693	0.69110	0.01380	0.68211	0.04465	0.01600	22	0.20	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0190	0.69500	0.03000	0.68211	0.04465	0.01600	22	0.29	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0560	0.69800	0.01000	0.68211	0.04465	0.01600	22	0.36	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0692	0.70000	0.02000	0.68211	0.04465	0.01600	22	0.40	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0278	0.70500	0.01000	0.68211	0.04465	0.01600	22	0.51	2%	0
027.42	Magnesium, ICP, Open vessel (%)	0187	0.70785	0.00030	0.68211	0.04465	0.01600	22	0.58	2%	0
027.42	Magnesium, ICP, Open vessel (%)	0685	0.71000	0.00000	0.68211	0.04465	0.01600	22	0.62	2%	0

Test Material Code # 201629

Method Proficiency Testing Report

Issue Date : 10/31/2016

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	
027.42	Magnesium, ICP, Open vessel (%)	0045	0.77000	0.05600	0.68211	0.04465	0.01600	22	1.97	6%	0
027.42	Magnesium, ICP, Open vessel (%)	0726	0.77400	0.00000	0.68211	0.04465	0.01600	22	2.06	7%	0
027.42	Magnesium, ICP, Open vessel (%)	2053	0.84000	0.02000	0.68211	0.04465	0.01600	22	3.54	12%	0
027.42	Magnesium, ICP, Open vessel (%)	0613	0.72000	0.12000	0.68211	0.04465	0.01600	22	0.85	3%	1
027.43	Magnesium, ICP, Microwave (%)	0510	0.56500	0.01000	0.66065	0.04450	0.00734	20	-2.15	7%	0
027.43	Magnesium, ICP, Microwave (%)	0353	0.57500	0.01000	0.66065	0.04450	0.00734	20	-1.92	6%	0
027.43	Magnesium, ICP, Microwave (%)	0345	0.60550	0.00500	0.66065	0.04450	0.00734	20	-1.24	4%	0
027.43	Magnesium, ICP, Microwave (%)	0043	0.61000	0.00000	0.66065	0.04450	0.00734	20	-1.14	4%	0
027.43	Magnesium, ICP, Microwave (%)	0968	0.63200	0.00600	0.66065	0.04450	0.00734	20	-0.64	2%	0
027.43	Magnesium, ICP, Microwave (%)	0034	0.64435	0.00670	0.66065	0.04450	0.00734	20	-0.37	1%	0
027.43	Magnesium, ICP, Microwave (%)	0675	0.64500	0.01000	0.66065	0.04450	0.00734	20	-0.35	1%	0
027.43	Magnesium, ICP, Microwave (%)	2143	0.65000	0.02000	0.66065	0.04450	0.00734	20	-0.24	1%	0
027.43	Magnesium, ICP, Microwave (%)	0629	0.66000	0.00000	0.66065	0.04450	0.00734	20	-0.01	0%	0
027.43	Magnesium, ICP, Microwave (%)	0861	0.66700	0.00800	0.66065	0.04450	0.00734	20	0.14	0%	0
027.43	Magnesium, ICP, Microwave (%)	0021	0.67000	0.02000	0.66065	0.04450	0.00734	20	0.21	1%	0
027.43	Magnesium, ICP, Microwave (%)	0028	0.67000	0.00000	0.66065	0.04450	0.00734	20	0.21	1%	0
027.43	Magnesium, ICP, Microwave (%)	0035	0.67500	0.01000	0.66065	0.04450	0.00734	20	0.32	1%	0
027.43	Magnesium, ICP, Microwave (%)	0425	0.68000	0.00000	0.66065	0.04450	0.00734	20	0.43	1%	0
027.43	Magnesium, ICP, Microwave (%)	2089	0.68000	0.00000	0.66065	0.04450	0.00734	20	0.43	1%	0
027.43	Magnesium, ICP, Microwave (%)	0918	0.68800	0.02200	0.66065	0.04450	0.00734	20	0.61	2%	0
027.43	Magnesium, ICP, Microwave (%)	0297	0.69000	0.00000	0.66065	0.04450	0.00734	20	0.66	2%	0
027.43	Magnesium, ICP, Microwave (%)	0006	0.71100	0.00800	0.66065	0.04450	0.00734	20	1.13	4%	0
027.43	Magnesium, ICP, Microwave (%)	0027	0.72000	0.00800	0.66065	0.04450	0.00734	20	1.33	4%	0
027.43	Magnesium, ICP, Microwave (%)	0964	0.73900	0.00300	0.66065	0.04450	0.00734	20	1.76	6%	0
027.43	Magnesium, ICP, Microwave (%)	0098	0.69000	0.04000	0.66065	0.04450	0.00734	20	0.66	2%	1
027.44	Magnesium, ICP, Dry ash (%)	2004	0.63150	0.03100				1			0
027.52	Magnesium, ICP-MS, Open vessel (%)	0047	0.59000	0.00000				2			0
027.52	Magnesium, ICP-MS, Open vessel (%)	0154	0.68130	0.01720				2			0
027.53	Magnesium, ICP-MS, Microwave (%)	2066	0.65000	0.04000				2			0
027.53	Magnesium, ICP-MS, Microwave (%)	0572	0.69750	0.00700				2			0
027.99	Magnesium, Miscellaneous (%)	0889	0.66000	0.04000	0.70875	0.05170	0.02250	4	-0.94	3%	0
027.99	Magnesium, Miscellaneous (%)	0242	0.68500	0.03000	0.70875	0.05170	0.02250	4	-0.46	2%	0
027.99	Magnesium, Miscellaneous (%)	0590	0.71000	0.02000	0.70875	0.05170	0.02250	4	0.02	0%	0
027.99	Magnesium, Miscellaneous (%)	0100	0.78000	0.00000	0.70875	0.05170	0.02250	4	1.38	5%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0689	349.80	12.200	410.74	27.345	8.3599	13	-2.23	7%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0014	377.50	25.000	410.74	27.345	8.3599	13	-1.22	4%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0904	384.79	22.180	410.74	27.345	8.3599	13	-0.95	3%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0001	386.20	1.8000	410.74	27.345	8.3599	13	-0.90	3%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0066	401.95	4.6000	410.74	27.345	8.3599	13	-0.32	1%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0629	406.50	1.0000	410.74	27.345	8.3599	13	-0.16	1%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0723	425.00	0.00000	410.74	27.345	8.3599	13	0.52	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	
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0354	426.07	4.5300	410.74	27.345	8.3599	13	0.56	2%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0563	429.10	1.8281	410.74	27.345	8.3599	13	0.67	2%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0529	430.80	14.000	410.74	27.345	8.3599	13	0.73	2%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0208	432.00	10.000	410.74	27.345	8.3599	13	0.78	3%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0175	432.50	5.0000	410.74	27.345	8.3599	13	0.80	3%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0656	437.51	6.5400	410.74	27.345	8.3599	13	0.98	3%	0
028.32	Manganese, AAS, Open vessel (mg / kg (ppm))	0609	262.50	9.0000				3			0
028.32	Manganese, AAS, Open vessel (mg / kg (ppm))	2128	340.58	4.8460				3			0
028.32	Manganese, AAS, Open vessel (mg / kg (ppm))	0504	453.95	0.10000				3			0
028.33	Manganese, AAS, Microwave (mg / kg (ppm))	0948	279.42	6.0140				2			0
028.33	Manganese, AAS, Microwave (mg / kg (ppm))	0504	435.15	28.500				2			0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0083	373.50	1.0000	408.69	24.515	10.007	23	-1.44	4%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0049	375.92	14.830	408.69	24.515	10.007	23	-1.34	4%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0619	376.00	2.0000	408.69	24.515	10.007	23	-1.33	4%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0720	384.29	0.76000	408.69	24.515	10.007	23	-1.00	3%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0682	386.39	0.00000	408.69	24.515	10.007	23	-0.91	3%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0171	389.00	8.0000	408.69	24.515	10.007	23	-0.80	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0019	393.55	10.900	408.69	24.515	10.007	23	-0.62	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0610	398.00	4.0000	408.69	24.515	10.007	23	-0.44	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0098	403.50	11.000	408.69	24.515	10.007	23	-0.21	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0598	403.70	0.20000	408.69	24.515	10.007	23	-0.20	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0148	408.20	2.4000	408.69	24.515	10.007	23	-0.02	0%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0051	412.75	5.6700	408.69	24.515	10.007	23	0.17	0%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0229	414.07	4.9900	408.69	24.515	10.007	23	0.22	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0407	414.67	55.039	408.69	24.515	10.007	23	0.24	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	2012	417.06	2.6100	408.69	24.515	10.007	23	0.34	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0164	418.00	0.00000	408.69	24.515	10.007	23	0.38	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0226	419.00	22.000	408.69	24.515	10.007	23	0.42	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0208	423.50	5.2000	408.69	24.515	10.007	23	0.60	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0074	428.00	32.000	408.69	24.515	10.007	23	0.79	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0910	433.00	22.000	408.69	24.515	10.007	23	0.99	3%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0358	436.85	12.130	408.69	24.515	10.007	23	1.15	3%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0511	447.00	12.000	408.69	24.515	10.007	23	1.56	5%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0011	481.61	1.4400	408.69	24.515	10.007	23	2.97	9%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0405	368.50	113.00	408.69	24.515	10.007	23	-1.64	5%	1
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	2051	328.50	21.000	402.11	31.619	11.568	22	-2.33	9%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0026	347.00	14.000	402.11	31.619	11.568	22	-1.74	7%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0685	358.68	1.0000	402.11	31.619	11.568	22	-1.37	5%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	2053	367.00	8.0000	402.11	31.619	11.568	22	-1.11	4%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0278	373.50	25.000	402.11	31.619	11.568	22	-0.90	4%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0613	383.25	41.100	402.11	31.619	11.568	22	-0.60	2%	0

Test Material Code # 201629

Method Proficiency Testing Report

Issue Date : 10/31/2016

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))	0037	392.75	0.90000	402.11	31.619	11.568	22	-0.30	1%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0366	398.50	3.0000	402.11	31.619	11.568	22	-0.11	0%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0042	399.50	5.0000	402.11	31.619	11.568	22	-0.08	0%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0870	400.10	32.000	402.11	31.619	11.568	22	-0.06	0%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0202	403.98	4.0200	402.11	31.619	11.568	22	0.06	0%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0187	404.86	0.91000	402.11	31.619	11.568	22	0.09	0%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0726	408.70	2.8000	402.11	31.619	11.568	22	0.21	1%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0265	411.00	14.000	402.11	31.619	11.568	22	0.28	1%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0693	412.72	10.122	402.11	31.619	11.568	22	0.34	1%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0555	416.00	16.000	402.11	31.619	11.568	22	0.44	2%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0413	417.00	30.000	402.11	31.619	11.568	22	0.47	2%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0357	428.78	11.798	402.11	31.619	11.568	22	0.84	3%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0560	429.00	0.80000	402.11	31.619	11.568	22	0.85	3%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0045	436.50	7.0000	402.11	31.619	11.568	22	1.09	4%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0190	445.65	3.7000	402.11	31.619	11.568	22	1.38	5%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0294	487.21	2.3400	402.11	31.619	11.568	22	2.69	11%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0692	403.00	78.000	402.11	31.619	11.568	22	0.03	0%	1
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0510	339.00	6.0000	402.08	40.790	6.0346	18	-1.55	8%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0043	349.00	8.0000	402.08	40.790	6.0346	18	-1.30	7%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0345	352.50	9.0000	402.08	40.790	6.0346	18	-1.22	6%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0968	355.50	1.0000	402.08	40.790	6.0346	18	-1.14	6%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0353	368.50	1.0000	402.08	40.790	6.0346	18	-0.82	4%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0675	376.06	1.2100	402.08	40.790	6.0346	18	-0.64	3%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2143	394.41	4.2200	402.08	40.790	6.0346	18	-0.19	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0918	411.71	13.250	402.08	40.790	6.0346	18	0.24	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0035	412.00	2.0000	402.08	40.790	6.0346	18	0.24	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0629	414.00	0.00000	402.08	40.790	6.0346	18	0.29	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0021	415.00	10.000	402.08	40.790	6.0346	18	0.32	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0425	416.50	8.0000	402.08	40.790	6.0346	18	0.35	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0964	429.37	1.0230	402.08	40.790	6.0346	18	0.67	3%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0169	431.00	10.000	402.08	40.790	6.0346	18	0.71	4%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0297	437.50	13.000	402.08	40.790	6.0346	18	0.87	4%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2089	443.55	17.060	402.08	40.790	6.0346	18	1.02	5%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0027	443.96	0.56000	402.08	40.790	6.0346	18	1.03	5%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0098	445.95	3.3000	402.08	40.790	6.0346	18	1.08	5%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0861	446.50	31.000	402.08	40.790	6.0346	18	1.09	6%	1
028.44	Manganese, ICP, Dry ash (mg / kg (ppm))	2004	386.57	25.140				1			0
028.52	Manganese, ICP-MS, Open vessel (mg / kg (ppm))	0047	386.20	7.4000				2			0
028.52	Manganese, ICP-MS, Open vessel (mg / kg (ppm))	0555	418.40	23.200				2			0
028.53	Manganese, ICP-MS, Microwave (mg / kg (ppm))	2066	383.50	15.000				2			0
028.53	Manganese, ICP-MS, Microwave (mg / kg (ppm))	0572	421.50	11.000				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	
028.99	Manganese, Miscellaneous (mg / kg (ppm))	0242	411.50	15.000	426.63	14.186	11.250	4	-1.07	2%	0
028.99	Manganese, Miscellaneous (mg / kg (ppm))	0590	421.00	0.00000	426.63	14.186	11.250	4	-0.40	1%	0
028.99	Manganese, Miscellaneous (mg / kg (ppm))	0035	429.00	8.0000	426.63	14.186	11.250	4	0.17	0%	0
028.99	Manganese, Miscellaneous (mg / kg (ppm))	0100	445.00	22.000	426.63	14.186	11.250	4	1.30	2%	0
031.01	Phosphorus, Photometric (%)	0620	0.41100	0.00240	0.61886	0.02990	0.01473	42	-6.95	17%	0
031.01	Phosphorus, Photometric (%)	0035	0.51000	0.02000	0.61886	0.02990	0.01473	42	-3.64	9%	0
031.01	Phosphorus, Photometric (%)	0689	0.53000	0.00000	0.61886	0.02990	0.01473	42	-2.97	7%	0
031.01	Phosphorus, Photometric (%)	0108	0.58000	0.10000	0.61886	0.02990	0.01473	42	-1.30	3%	0
031.01	Phosphorus, Photometric (%)	0152	0.58500	0.01000	0.61886	0.02990	0.01473	42	-1.13	3%	0
031.01	Phosphorus, Photometric (%)	2080	0.58650	0.00300	0.61886	0.02990	0.01473	42	-1.08	3%	0
031.01	Phosphorus, Photometric (%)	0233	0.59000	0.00000	0.61886	0.02990	0.01473	42	-0.97	2%	0
031.01	Phosphorus, Photometric (%)	0529	0.59500	0.01000	0.61886	0.02990	0.01473	42	-0.80	2%	0
031.01	Phosphorus, Photometric (%)	0590	0.60000	0.02000	0.61886	0.02990	0.01473	42	-0.63	2%	0
031.01	Phosphorus, Photometric (%)	0849	0.60000	0.00800	0.61886	0.02990	0.01473	42	-0.63	2%	0
031.01	Phosphorus, Photometric (%)	0940	0.60000	0.04000	0.61886	0.02990	0.01473	42	-0.63	2%	0
031.01	Phosphorus, Photometric (%)	0175	0.60500	0.01000	0.61886	0.02990	0.01473	42	-0.46	1%	0
031.01	Phosphorus, Photometric (%)	0354	0.60500	0.01000	0.61886	0.02990	0.01473	42	-0.46	1%	0
031.01	Phosphorus, Photometric (%)	0939	0.60500	0.03000	0.61886	0.02990	0.01473	42	-0.46	1%	0
031.01	Phosphorus, Photometric (%)	0651	0.60700	0.00000	0.61886	0.02990	0.01473	42	-0.40	1%	0
031.01	Phosphorus, Photometric (%)	2109	0.60750	0.00100	0.61886	0.02990	0.01473	42	-0.38	1%	0
031.01	Phosphorus, Photometric (%)	0653	0.61000	0.00600	0.61886	0.02990	0.01473	42	-0.30	1%	0
031.01	Phosphorus, Photometric (%)	0937	0.61000	0.00000	0.61886	0.02990	0.01473	42	-0.30	1%	0
031.01	Phosphorus, Photometric (%)	0723	0.61150	0.00000	0.61886	0.02990	0.01473	42	-0.25	1%	0
031.01	Phosphorus, Photometric (%)	0650	0.61500	0.01000	0.61886	0.02990	0.01473	42	-0.13	0%	0
031.01	Phosphorus, Photometric (%)	0563	0.61660	0.00500	0.61886	0.02990	0.01473	42	-0.08	0%	0
031.01	Phosphorus, Photometric (%)	0656	0.62000	0.00000	0.61886	0.02990	0.01473	42	0.04	0%	0
031.01	Phosphorus, Photometric (%)	0674	0.62000	0.00000	0.61886	0.02990	0.01473	42	0.04	0%	0
031.01	Phosphorus, Photometric (%)	0904	0.62000	0.04000	0.61886	0.02990	0.01473	42	0.04	0%	0
031.01	Phosphorus, Photometric (%)	2022	0.62000	0.00000	0.61886	0.02990	0.01473	42	0.04	0%	0
031.01	Phosphorus, Photometric (%)	0885	0.62005	0.00390	0.61886	0.02990	0.01473	42	0.04	0%	0
031.01	Phosphorus, Photometric (%)	0683	0.62500	0.03000	0.61886	0.02990	0.01473	42	0.21	0%	0
031.01	Phosphorus, Photometric (%)	0728	0.62500	0.01000	0.61886	0.02990	0.01473	42	0.21	0%	0
031.01	Phosphorus, Photometric (%)	0884	0.62500	0.01000	0.61886	0.02990	0.01473	42	0.21	0%	0
031.01	Phosphorus, Photometric (%)	0142	0.62600	0.00220	0.61886	0.02990	0.01473	42	0.24	1%	0
031.01	Phosphorus, Photometric (%)	0722	0.63770	0.01520	0.61886	0.02990	0.01473	42	0.63	2%	0
031.01	Phosphorus, Photometric (%)	0629	0.64500	0.01000	0.61886	0.02990	0.01473	42	0.87	2%	0
031.01	Phosphorus, Photometric (%)	0897	0.64500	0.01000	0.61886	0.02990	0.01473	42	0.87	2%	0
031.01	Phosphorus, Photometric (%)	0066	0.64750	0.00900	0.61886	0.02990	0.01473	42	0.96	2%	0
031.01	Phosphorus, Photometric (%)	0687	0.65000	0.10000	0.61886	0.02990	0.01473	42	1.04	3%	0
031.01	Phosphorus, Photometric (%)	0208	0.65100	0.01200	0.61886	0.02990	0.01473	42	1.07	3%	0
031.01	Phosphorus, Photometric (%)	0609	0.65500	0.03000	0.61886	0.02990	0.01473	42	1.21	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	
031.01	Phosphorus, Photometric (%)	0018	0.65800	0.00400	0.61886	0.02990	0.01473	42	1.31	3%	0
031.01	Phosphorus, Photometric (%)	2128	0.65950	0.00100	0.61886	0.02990	0.01473	42	1.36	3%	0
031.01	Phosphorus, Photometric (%)	0948	0.67500	0.01000	0.61886	0.02990	0.01473	42	1.88	5%	0
031.01	Phosphorus, Photometric (%)	2006	0.68400	0.02600	0.61886	0.02990	0.01473	42	2.18	5%	0
031.01	Phosphorus, Photometric (%)	0511	0.69500	0.01000	0.61886	0.02990	0.01473	42	2.55	6%	0
031.01	Phosphorus, Photometric (%)	0626	0.70100	0.16200	0.61886	0.02990	0.01473	42	2.75	7%	1
031.02	Phosphorus, GQMP (AOAC 935.13-Extraction) (%)	0505	0.62000	0.00000	0.62500	0.00707	0.00250	4	-0.71	0%	0
031.02	Phosphorus, GQMP (AOAC 935.13-Extraction) (%)	0043	0.63000	0.00000	0.62500	0.00707	0.00250	4	0.71	0%	0
031.02	Phosphorus, GQMP (AOAC 935.13-Extraction) (%)	2053	0.63500	0.01000	0.62500	0.00707	0.00250	4	1.41	1%	0
031.02	Phosphorus, GQMP (AOAC 935.13-Extraction) (%)	0011	33.300	0.00000	0.62500	0.00707	0.00250	4	4620.94	2614%	0
031.03	Phosphorus, Autoanalyzer (%)	0047	0.57500	0.01000	0.60761	0.02839	0.00514	5	-1.15	3%	0
031.03	Phosphorus, Autoanalyzer (%)	0169	0.58500	0.01000	0.60761	0.02839	0.00514	5	-0.80	2%	0
031.03	Phosphorus, Autoanalyzer (%)	0001	0.61200	0.00400	0.60761	0.02839	0.00514	5	0.15	0%	0
031.03	Phosphorus, Autoanalyzer (%)	0504	0.62000	0.00000	0.60761	0.02839	0.00514	5	0.44	1%	0
031.03	Phosphorus, Autoanalyzer (%)	0036	0.64605	0.00170	0.60761	0.02839	0.00514	5	1.35	3%	0
031.06	Phosphorus, Hach Method (%)	0138	0.67450	0.01500				1			0
031.41	Phosphorus, ICP, Dry ash (%)	0300	0.47850	0.05500	0.60917	0.04083	0.01923	31	-3.20	11%	0
031.41	Phosphorus, ICP, Dry ash (%)	0123	0.54000	0.00000	0.60917	0.04083	0.01923	31	-1.69	6%	0
031.41	Phosphorus, ICP, Dry ash (%)	0083	0.55650	0.00700	0.60917	0.04083	0.01923	31	-1.29	4%	0
031.41	Phosphorus, ICP, Dry ash (%)	0089	0.56000	0.00000	0.60917	0.04083	0.01923	31	-1.20	4%	0
031.41	Phosphorus, ICP, Dry ash (%)	0019	0.57500	0.01000	0.60917	0.04083	0.01923	31	-0.84	3%	0
031.41	Phosphorus, ICP, Dry ash (%)	0720	0.57500	0.01000	0.60917	0.04083	0.01923	31	-0.84	3%	0
031.41	Phosphorus, ICP, Dry ash (%)	0910	0.57500	0.05000	0.60917	0.04083	0.01923	31	-0.84	3%	0
031.41	Phosphorus, ICP, Dry ash (%)	0619	0.57900	0.00200	0.60917	0.04083	0.01923	31	-0.74	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0848	0.58000	0.00000	0.60917	0.04083	0.01923	31	-0.71	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0144	0.59000	0.00000	0.60917	0.04083	0.01923	31	-0.47	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0682	0.59000	0.00000	0.60917	0.04083	0.01923	31	-0.47	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0413	0.60000	0.02000	0.60917	0.04083	0.01923	31	-0.22	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0171	0.60500	0.01000	0.60917	0.04083	0.01923	31	-0.10	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0685	0.60500	0.01000	0.60917	0.04083	0.01923	31	-0.10	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0229	0.60800	0.04800	0.60917	0.04083	0.01923	31	-0.03	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0407	0.60800	0.01120	0.60917	0.04083	0.01923	31	-0.03	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0298	0.61000	0.02000	0.60917	0.04083	0.01923	31	0.02	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0098	0.61335	0.03030	0.60917	0.04083	0.01923	31	0.10	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0049	0.61500	0.03000	0.60917	0.04083	0.01923	31	0.14	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0148	0.61650	0.00100	0.60917	0.04083	0.01923	31	0.18	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0051	0.62310	0.00280	0.60917	0.04083	0.01923	31	0.34	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0164	0.62500	0.01000	0.60917	0.04083	0.01923	31	0.39	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	2012	0.63000	0.00000	0.60917	0.04083	0.01923	31	0.51	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0074	0.63500	0.09000	0.60917	0.04083	0.01923	31	0.63	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0610	0.64000	0.00000	0.60917	0.04083	0.01923	31	0.76	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	
031.41	Phosphorus, ICP, Dry ash (%)	0358	0.64500	0.03000	0.60917	0.04083	0.01923	31	0.88	3%	0
031.41	Phosphorus, ICP, Dry ash (%)	0598	0.65770	0.00080	0.60917	0.04083	0.01923	31	1.19	4%	0
031.41	Phosphorus, ICP, Dry ash (%)	0226	0.66000	0.00000	0.60917	0.04083	0.01923	31	1.24	4%	0
031.41	Phosphorus, ICP, Dry ash (%)	0208	0.69950	0.03500	0.60917	0.04083	0.01923	31	2.21	7%	0
031.41	Phosphorus, ICP, Dry ash (%)	0139	0.85850	0.00300	0.60917	0.04083	0.01923	31	6.11	20%	0
031.41	Phosphorus, ICP, Dry ash (%)	0405	0.95500	0.11000	0.60917	0.04083	0.01923	31	8.47	28%	0
031.41	Phosphorus, ICP, Dry ash (%)	0011	35.747	0.12960	0.60917	0.04083	0.01923	31	860.58	2884%	2
031.42	Phosphorus, ICP, Open vessel (%)	2051	0.44000	0.02000	0.60080	0.04694	0.02936	23	-3.43	13%	0
031.42	Phosphorus, ICP, Open vessel (%)	0202	0.46000	0.00000	0.60080	0.04694	0.02936	23	-3.00	12%	0
031.42	Phosphorus, ICP, Open vessel (%)	0187	0.50720	0.00160	0.60080	0.04694	0.02936	23	-1.99	8%	0
031.42	Phosphorus, ICP, Open vessel (%)	0026	0.53000	0.06000	0.60080	0.04694	0.02936	23	-1.51	6%	0
031.42	Phosphorus, ICP, Open vessel (%)	0613	0.54500	0.07000	0.60080	0.04694	0.02936	23	-1.19	5%	0
031.42	Phosphorus, ICP, Open vessel (%)	0555	0.59065	0.05410	0.60080	0.04694	0.02936	23	-0.22	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0042	0.59100	0.02600	0.60080	0.04694	0.02936	23	-0.21	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0265	0.59500	0.03000	0.60080	0.04694	0.02936	23	-0.12	0%	0
031.42	Phosphorus, ICP, Open vessel (%)	0037	0.60000	0.00000	0.60080	0.04694	0.02936	23	-0.02	0%	0
031.42	Phosphorus, ICP, Open vessel (%)	0294	0.60000	0.00000	0.60080	0.04694	0.02936	23	-0.02	0%	0
031.42	Phosphorus, ICP, Open vessel (%)	2129	0.60050	0.04500	0.60080	0.04694	0.02936	23	-0.01	0%	0
031.42	Phosphorus, ICP, Open vessel (%)	0726	0.60900	0.00200	0.60080	0.04694	0.02936	23	0.17	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0366	0.61000	0.04000	0.60080	0.04694	0.02936	23	0.20	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0870	0.61245	0.09650	0.60080	0.04694	0.02936	23	0.25	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0205	0.61500	0.02600	0.60080	0.04694	0.02936	23	0.30	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0014	0.62500	0.01400	0.60080	0.04694	0.02936	23	0.52	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0560	0.62950	0.01100	0.60080	0.04694	0.02936	23	0.61	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0190	0.63000	0.02000	0.60080	0.04694	0.02936	23	0.62	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0357	0.63800	0.01300	0.60080	0.04694	0.02936	23	0.79	3%	0
031.42	Phosphorus, ICP, Open vessel (%)	0278	0.64500	0.01000	0.60080	0.04694	0.02936	23	0.94	4%	0
031.42	Phosphorus, ICP, Open vessel (%)	0045	0.64900	0.02000	0.60080	0.04694	0.02936	23	1.03	4%	0
031.42	Phosphorus, ICP, Open vessel (%)	0693	0.65185	0.01610	0.60080	0.04694	0.02936	23	1.09	4%	0
031.42	Phosphorus, ICP, Open vessel (%)	0692	0.66000	0.10000	0.60080	0.04694	0.02936	23	1.26	5%	0
031.42	Phosphorus, ICP, Open vessel (%)	0504	0.64900	0.16000	0.60080	0.04694	0.02936	23	1.03	4%	1
031.43	Phosphorus, ICP, Microwave (%)	0035	0.51000	0.02000	0.58746	0.04822	0.01103	22	-1.61	7%	0
031.43	Phosphorus, ICP, Microwave (%)	0043	0.52000	0.02000	0.58746	0.04822	0.01103	22	-1.40	6%	0
031.43	Phosphorus, ICP, Microwave (%)	0027	0.53000	0.02000	0.58746	0.04822	0.01103	22	-1.19	5%	0
031.43	Phosphorus, ICP, Microwave (%)	0510	0.53500	0.01000	0.58746	0.04822	0.01103	22	-1.09	4%	0
031.43	Phosphorus, ICP, Microwave (%)	0353	0.54000	0.02000	0.58746	0.04822	0.01103	22	-0.98	4%	0
031.43	Phosphorus, ICP, Microwave (%)	2143	0.55000	0.00000	0.58746	0.04822	0.01103	22	-0.78	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0675	0.56500	0.01000	0.58746	0.04822	0.01103	22	-0.47	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0034	0.57330	0.00200	0.58746	0.04822	0.01103	22	-0.29	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0918	0.57700	0.02400	0.58746	0.04822	0.01103	22	-0.22	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0968	0.58500	0.00400	0.58746	0.04822	0.01103	22	-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	
031.43	Phosphorus, ICP, Microwave (%)	2089	0.59000	0.04000	0.58746	0.04822	0.01103	22	0.05	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0345	0.59200	0.00600	0.58746	0.04822	0.01103	22	0.09	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0006	0.59450	0.00900	0.58746	0.04822	0.01103	22	0.15	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0021	0.61000	0.02000	0.58746	0.04822	0.01103	22	0.47	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0297	0.61000	0.00000	0.58746	0.04822	0.01103	22	0.47	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0861	0.61400	0.00400	0.58746	0.04822	0.01103	22	0.55	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0028	0.62000	0.00000	0.58746	0.04822	0.01103	22	0.67	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0036	0.62780	0.00240	0.58746	0.04822	0.01103	22	0.84	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0425	0.63000	0.00000	0.58746	0.04822	0.01103	22	0.88	4%	0
031.43	Phosphorus, ICP, Microwave (%)	0629	0.64000	0.00000	0.58746	0.04822	0.01103	22	1.09	4%	0
031.43	Phosphorus, ICP, Microwave (%)	0964	0.64555	0.02150	0.58746	0.04822	0.01103	22	1.20	5%	0
031.43	Phosphorus, ICP, Microwave (%)	0098	0.68010	0.00980	0.58746	0.04822	0.01103	22	1.92	8%	0
031.43	Phosphorus, ICP, Microwave (%)	0033	0.69000	0.08000	0.58746	0.04822	0.01103	22	2.13	9%	1
031.44	Phosphorus, ICP, Dry ash (%)	2004	0.59250	0.04100				1			0
031.52	Phosphorus, ICP-MS, Open vessel (%)	0154	0.57840	0.04040				1			0
031.53	Phosphorus, ICP-MS, Microwave (%)	2066	0.54170	0.03460				2			0
031.53	Phosphorus, ICP-MS, Microwave (%)	0572	0.62700	0.03400				2			0
031.99	Phosphorus, Miscellaneous (%)	0889	0.57400	0.00400	0.60070	0.01971	0.01300	5	-1.35	2%	0
031.99	Phosphorus, Miscellaneous (%)	0852	0.59000	0.02000	0.60070	0.01971	0.01300	5	-0.54	1%	0
031.99	Phosphorus, Miscellaneous (%)	0100	0.60000	0.00000	0.60070	0.01971	0.01300	5	-0.04	0%	0
031.99	Phosphorus, Miscellaneous (%)	0676	0.61950	0.00100	0.60070	0.01971	0.01300	5	0.95	2%	0
031.99	Phosphorus, Miscellaneous (%)	0242	0.62000	0.04000	0.60070	0.01971	0.01300	5	0.98	2%	0
032.02	Potassium, Flame Emission (%)	0047	2.0950	0.01000				2			0
032.02	Potassium, Flame Emission (%)	0504	2.1450	0.05000				2			0
032.31	Potassium, AAS, Dry ash (%)	0689	1.3400	0.02000	2.1523	0.13607	0.02944	15	-5.97	19%	0
032.31	Potassium, AAS, Dry ash (%)	0683	1.8450	0.05000	2.1523	0.13607	0.02944	15	-2.26	7%	0
032.31	Potassium, AAS, Dry ash (%)	0629	2.0500	0.02000	2.1523	0.13607	0.02944	15	-0.75	2%	0
032.31	Potassium, AAS, Dry ash (%)	0142	2.0861	0.04030	2.1523	0.13607	0.02944	15	-0.49	2%	0
032.31	Potassium, AAS, Dry ash (%)	0014	2.0950	0.01000	2.1523	0.13607	0.02944	15	-0.42	1%	0
032.31	Potassium, AAS, Dry ash (%)	0208	2.0950	0.05000	2.1523	0.13607	0.02944	15	-0.42	1%	0
032.31	Potassium, AAS, Dry ash (%)	0354	2.1100	0.02000	2.1523	0.13607	0.02944	15	-0.31	1%	0
032.31	Potassium, AAS, Dry ash (%)	0066	2.1775	0.01900	2.1523	0.13607	0.02944	15	0.18	1%	0
032.31	Potassium, AAS, Dry ash (%)	0904	2.1950	0.01000	2.1523	0.13607	0.02944	15	0.31	1%	0
032.31	Potassium, AAS, Dry ash (%)	0563	2.1988	0.00230	2.1523	0.13607	0.02944	15	0.34	1%	0
032.31	Potassium, AAS, Dry ash (%)	2053	2.2050	0.03000	2.1523	0.13607	0.02944	15	0.39	1%	0
032.31	Potassium, AAS, Dry ash (%)	0175	2.2500	0.06000	2.1523	0.13607	0.02944	15	0.72	2%	0
032.31	Potassium, AAS, Dry ash (%)	0656	2.2600	0.02000	2.1523	0.13607	0.02944	15	0.79	3%	0
032.31	Potassium, AAS, Dry ash (%)	0948	2.3100	0.02000	2.1523	0.13607	0.02944	15	1.16	4%	0
032.31	Potassium, AAS, Dry ash (%)	0529	2.5450	0.07000	2.1523	0.13607	0.02944	15	2.89	9%	0
032.31	Potassium, AAS, Dry ash (%)	0650	2.2450	0.25000	2.1523	0.13607	0.02944	15	0.68	2%	1
032.32	Potassium, AAS, Open vessel (%)	0609	2.0800	0.02000				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			
032.32	Potassium, AAS, Open vessel (%)	0169	2.1050	0.01000				2			0
032.41	Potassium, ICP, Dry ash (%)	0720	1.7150	0.07000	2.1082	0.08790	0.05330	26	-4.47	9%	0
032.41	Potassium, ICP, Dry ash (%)	0682	1.9800	0.00000	2.1082	0.08790	0.05330	26	-1.46	3%	0
032.41	Potassium, ICP, Dry ash (%)	0019	2.0300	0.00000	2.1082	0.08790	0.05330	26	-0.89	2%	0
032.41	Potassium, ICP, Dry ash (%)	0083	2.0305	0.00300	2.1082	0.08790	0.05330	26	-0.88	2%	0
032.41	Potassium, ICP, Dry ash (%)	0619	2.0350	0.01000	2.1082	0.08790	0.05330	26	-0.83	2%	0
032.41	Potassium, ICP, Dry ash (%)	0171	2.0575	0.03500	2.1082	0.08790	0.05330	26	-0.58	1%	0
032.41	Potassium, ICP, Dry ash (%)	0098	2.0600	0.12000	2.1082	0.08790	0.05330	26	-0.55	1%	0
032.41	Potassium, ICP, Dry ash (%)	0848	2.0600	0.00000	2.1082	0.08790	0.05330	26	-0.55	1%	0
032.41	Potassium, ICP, Dry ash (%)	0208	2.0685	0.05100	2.1082	0.08790	0.05330	26	-0.45	1%	0
032.41	Potassium, ICP, Dry ash (%)	0144	2.0700	0.02000	2.1082	0.08790	0.05330	26	-0.43	1%	0
032.41	Potassium, ICP, Dry ash (%)	0229	2.0745	0.06700	2.1082	0.08790	0.05330	26	-0.38	1%	0
032.41	Potassium, ICP, Dry ash (%)	0148	2.0845	0.00100	2.1082	0.08790	0.05330	26	-0.27	1%	0
032.41	Potassium, ICP, Dry ash (%)	0164	2.0900	0.02000	2.1082	0.08790	0.05330	26	-0.21	0%	0
032.41	Potassium, ICP, Dry ash (%)	0413	2.0900	0.02000	2.1082	0.08790	0.05330	26	-0.21	0%	0
032.41	Potassium, ICP, Dry ash (%)	0051	2.0940	0.11580	2.1082	0.08790	0.05330	26	-0.16	0%	0
032.41	Potassium, ICP, Dry ash (%)	0610	2.1150	0.01000	2.1082	0.08790	0.05330	26	0.08	0%	0
032.41	Potassium, ICP, Dry ash (%)	0226	2.1250	0.07000	2.1082	0.08790	0.05330	26	0.19	0%	0
032.41	Potassium, ICP, Dry ash (%)	2012	2.1350	0.01000	2.1082	0.08790	0.05330	26	0.31	1%	0
032.41	Potassium, ICP, Dry ash (%)	0910	2.1500	0.12000	2.1082	0.08790	0.05330	26	0.48	1%	0
032.41	Potassium, ICP, Dry ash (%)	0358	2.1650	0.07000	2.1082	0.08790	0.05330	26	0.65	1%	0
032.41	Potassium, ICP, Dry ash (%)	0049	2.1800	0.14000	2.1082	0.08790	0.05330	26	0.82	2%	0
032.41	Potassium, ICP, Dry ash (%)	0598	2.1815	0.06700	2.1082	0.08790	0.05330	26	0.83	2%	0
032.41	Potassium, ICP, Dry ash (%)	0407	2.3105	0.06250	2.1082	0.08790	0.05330	26	2.30	5%	0
032.41	Potassium, ICP, Dry ash (%)	0011	2.5536	0.01340	2.1082	0.08790	0.05330	26	5.07	11%	0
032.41	Potassium, ICP, Dry ash (%)	0405	2.8950	0.29000	2.1082	0.08790	0.05330	26	8.95	19%	0
032.41	Potassium, ICP, Dry ash (%)	0139	3.1200	0.00000	2.1082	0.08790	0.05330	26	11.51	24%	0
032.41	Potassium, ICP, Dry ash (%)	0511	2.1500	0.32000	2.1082	0.08790	0.05330	26	0.48	1%	1
032.42	Potassium, ICP, Open vessel (%)	2051	1.9050	0.03000	2.1600	0.10731	0.04873	21	-2.38	6%	0
032.42	Potassium, ICP, Open vessel (%)	0037	2.0200	0.02000	2.1600	0.10731	0.04873	21	-1.30	3%	0
032.42	Potassium, ICP, Open vessel (%)	2129	2.0450	0.05000	2.1600	0.10731	0.04873	21	-1.07	3%	0
032.42	Potassium, ICP, Open vessel (%)	0294	2.0750	0.01000	2.1600	0.10731	0.04873	21	-0.79	2%	0
032.42	Potassium, ICP, Open vessel (%)	0726	2.0750	0.01000	2.1600	0.10731	0.04873	21	-0.79	2%	0
032.42	Potassium, ICP, Open vessel (%)	0202	2.0900	0.00000	2.1600	0.10731	0.04873	21	-0.65	2%	0
032.42	Potassium, ICP, Open vessel (%)	0042	2.1000	0.08000	2.1600	0.10731	0.04873	21	-0.56	1%	0
032.42	Potassium, ICP, Open vessel (%)	0555	2.1205	0.12500	2.1600	0.10731	0.04873	21	-0.37	1%	0
032.42	Potassium, ICP, Open vessel (%)	0278	2.1350	0.01000	2.1600	0.10731	0.04873	21	-0.23	1%	0
032.42	Potassium, ICP, Open vessel (%)	0357	2.1486	0.01320	2.1600	0.10731	0.04873	21	-0.11	0%	0
032.42	Potassium, ICP, Open vessel (%)	0205	2.1500	0.04000	2.1600	0.10731	0.04873	21	-0.09	0%	0
032.42	Potassium, ICP, Open vessel (%)	0693	2.1532	0.06520	2.1600	0.10731	0.04873	21	-0.06	0%	0
032.42	Potassium, ICP, Open vessel (%)	0045	2.1750	0.07000	2.1600	0.10731	0.04873	21	0.14	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	
032.42	Potassium, ICP, Open vessel (%)	0187	2.1900	0.02000	2.1600	0.10731	0.04873	21	0.28	1%	0
032.42	Potassium, ICP, Open vessel (%)	0870	2.2160	0.08400	2.1600	0.10731	0.04873	21	0.52	1%	0
032.42	Potassium, ICP, Open vessel (%)	0560	2.2250	0.00600	2.1600	0.10731	0.04873	21	0.61	2%	0
032.42	Potassium, ICP, Open vessel (%)	0265	2.2550	0.05000	2.1600	0.10731	0.04873	21	0.89	2%	0
032.42	Potassium, ICP, Open vessel (%)	0026	2.2600	0.20000	2.1600	0.10731	0.04873	21	0.93	2%	0
032.42	Potassium, ICP, Open vessel (%)	0190	2.2850	0.09000	2.1600	0.10731	0.04873	21	1.17	3%	0
032.42	Potassium, ICP, Open vessel (%)	0366	2.3600	0.00000	2.1600	0.10731	0.04873	21	1.86	5%	0
032.42	Potassium, ICP, Open vessel (%)	0692	2.4650	0.05000	2.1600	0.10731	0.04873	21	2.84	7%	0
032.42	Potassium, ICP, Open vessel (%)	0504	1.9735	0.42900	2.1600	0.10731	0.04873	21	-1.74	4%	1
032.42	Potassium, ICP, Open vessel (%)	0613	2.2400	0.42000	2.1600	0.10731	0.04873	21	0.75	2%	1
032.43	Potassium, ICP, Microwave (%)	0043	1.9750	0.01000	2.0891	0.07918	0.04493	22	-1.44	3%	0
032.43	Potassium, ICP, Microwave (%)	0035	1.9900	0.04000	2.0891	0.07918	0.04493	22	-1.25	2%	0
032.43	Potassium, ICP, Microwave (%)	0353	2.0000	0.06000	2.0891	0.07918	0.04493	22	-1.13	2%	0
032.43	Potassium, ICP, Microwave (%)	0034	2.0238	0.11780	2.0891	0.07918	0.04493	22	-0.82	2%	0
032.43	Potassium, ICP, Microwave (%)	0345	2.0250	0.05000	2.0891	0.07918	0.04493	22	-0.81	2%	0
032.43	Potassium, ICP, Microwave (%)	0098	2.0400	0.16000	2.0891	0.07918	0.04493	22	-0.62	1%	0
032.43	Potassium, ICP, Microwave (%)	0021	2.0500	0.10000	2.0891	0.07918	0.04493	22	-0.49	1%	0
032.43	Potassium, ICP, Microwave (%)	0510	2.0500	0.02000	2.0891	0.07918	0.04493	22	-0.49	1%	0
032.43	Potassium, ICP, Microwave (%)	0675	2.0550	0.03000	2.0891	0.07918	0.04493	22	-0.43	1%	0
032.43	Potassium, ICP, Microwave (%)	0006	2.0560	0.00400	2.0891	0.07918	0.04493	22	-0.42	1%	0
032.43	Potassium, ICP, Microwave (%)	0010	2.0650	0.05000	2.0891	0.07918	0.04493	22	-0.30	1%	0
032.43	Potassium, ICP, Microwave (%)	0425	2.0700	0.00000	2.0891	0.07918	0.04493	22	-0.24	0%	0
032.43	Potassium, ICP, Microwave (%)	0918	2.0970	0.05200	2.0891	0.07918	0.04493	22	0.10	0%	0
032.43	Potassium, ICP, Microwave (%)	0964	2.1245	0.00020	2.0891	0.07918	0.04493	22	0.45	1%	0
032.43	Potassium, ICP, Microwave (%)	0297	2.1450	0.01000	2.0891	0.07918	0.04493	22	0.71	1%	0
032.43	Potassium, ICP, Microwave (%)	0028	2.1500	0.00000	2.0891	0.07918	0.04493	22	0.77	1%	0
032.43	Potassium, ICP, Microwave (%)	0629	2.1500	0.00000	2.0891	0.07918	0.04493	22	0.77	1%	0
032.43	Potassium, ICP, Microwave (%)	2089	2.1500	0.08000	2.0891	0.07918	0.04493	22	0.77	1%	0
032.43	Potassium, ICP, Microwave (%)	0036	2.1613	0.04350	2.0891	0.07918	0.04493	22	0.91	2%	0
032.43	Potassium, ICP, Microwave (%)	0861	2.1750	0.07000	2.0891	0.07918	0.04493	22	1.08	2%	0
032.43	Potassium, ICP, Microwave (%)	0027	2.2000	0.06000	2.0891	0.07918	0.04493	22	1.40	3%	0
032.43	Potassium, ICP, Microwave (%)	0968	2.5335	0.03100	2.0891	0.07918	0.04493	22	5.61	11%	0
032.44	Potassium, ICP, Dry ash (%)	2004	2.1300	0.08000				1			0
032.52	Potassium, ICP-MS, Open vessel (%)	0154	2.0746	0.04190				1			0
032.53	Potassium, ICP-MS, Microwave (%)	2066	2.0150	0.09000				2			0
032.53	Potassium, ICP-MS, Microwave (%)	0572	2.1300	0.06000				2			0
032.99	Potassium, Miscellaneous (%)	0100	2.0150	0.01000	2.1185	0.07180	0.03100	5	-1.44	2%	0
032.99	Potassium, Miscellaneous (%)	0590	2.0850	0.01000	2.1185	0.07180	0.03100	5	-0.47	1%	0
032.99	Potassium, Miscellaneous (%)	0035	2.1400	0.04000	2.1185	0.07180	0.03100	5	0.30	1%	0
032.99	Potassium, Miscellaneous (%)	0001	2.1475	0.04500	2.1185	0.07180	0.03100	5	0.40	1%	0
032.99	Potassium, Miscellaneous (%)	0242	2.2050	0.05000	2.1185	0.07180	0.03100	5	1.20	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			
032.99	Potassium, Miscellaneous (%)	0889	0.00000	0.00000	2.1185	0.07180	0.03100	5			4
033.00	Salt as chloride, Sol Cl (%)	0171	3.5050	0.05000	3.7080	0.12250	0.03413	18	-1.66	3%	0
033.00	Salt as chloride, Sol Cl (%)	0674	3.5500	0.00000	3.7080	0.12250	0.03413	18	-1.29	2%	0
033.00	Salt as chloride, Sol Cl (%)	0504	3.5600	0.06000	3.7080	0.12250	0.03413	18	-1.21	2%	0
033.00	Salt as chloride, Sol Cl (%)	0723	3.6200	0.00000	3.7080	0.12250	0.03413	18	-0.72	1%	0
033.00	Salt as chloride, Sol Cl (%)	0511	3.6250	0.11000	3.7080	0.12250	0.03413	18	-0.68	1%	0
033.00	Salt as chloride, Sol Cl (%)	0353	3.6650	0.03000	3.7080	0.12250	0.03413	18	-0.35	1%	0
033.00	Salt as chloride, Sol Cl (%)	0884	3.6650	0.01000	3.7080	0.12250	0.03413	18	-0.35	1%	0
033.00	Salt as chloride, Sol Cl (%)	0045	3.6800	0.02000	3.7080	0.12250	0.03413	18	-0.23	0%	0
033.00	Salt as chloride, Sol Cl (%)	0169	3.6950	0.03000	3.7080	0.12250	0.03413	18	-0.11	0%	0
033.00	Salt as chloride, Sol Cl (%)	0298	3.7200	0.02000	3.7080	0.12250	0.03413	18	0.10	0%	0
033.00	Salt as chloride, Sol Cl (%)	0885	3.7301	0.00890	3.7080	0.12250	0.03413	18	0.18	0%	0
033.00	Salt as chloride, Sol Cl (%)	0921	3.7700	0.00000	3.7080	0.12250	0.03413	18	0.51	1%	0
033.00	Salt as chloride, Sol Cl (%)	2022	3.7700	0.02400	3.7080	0.12250	0.03413	18	0.51	1%	0
033.00	Salt as chloride, Sol Cl (%)	0897	3.7750	0.01000	3.7080	0.12250	0.03413	18	0.55	1%	0
033.00	Salt as chloride, Sol Cl (%)	0309	3.7944	0.00990	3.7080	0.12250	0.03413	18	0.70	1%	0
033.00	Salt as chloride, Sol Cl (%)	0366	3.8250	0.07000	3.7080	0.12250	0.03413	18	0.96	2%	0
033.00	Salt as chloride, Sol Cl (%)	0539	3.8835	0.04300	3.7080	0.12250	0.03413	18	1.43	2%	0
033.00	Salt as chloride, Sol Cl (%)	0693	4.0206	0.11850	3.7080	0.12250	0.03413	18	2.55	4%	0
033.00	Salt as chloride, Sol Cl (%)	0675	3.7200	0.22000	3.7080	0.12250	0.03413	18	0.10	0%	1
033.00	Salt as chloride, Sol Cl (%)	0848	2.1850	0.01000	3.7080	0.12250	0.03413	18	-12.43	21%	2
033.01	Salt as chloride, Poten Cl (%)	0278	3.5550	0.07000	3.8014	0.08328	0.02910	29	-2.96	3%	0
033.01	Salt as chloride, Poten Cl (%)	0229	3.6615	0.07900	3.8014	0.08328	0.02910	29	-1.68	2%	0
033.01	Salt as chloride, Poten Cl (%)	0937	3.6800	0.04000	3.8014	0.08328	0.02910	29	-1.46	2%	0
033.01	Salt as chloride, Poten Cl (%)	0003	3.7000	0.00000	3.8014	0.08328	0.02910	29	-1.22	1%	0
033.01	Salt as chloride, Poten Cl (%)	0425	3.7000	0.02000	3.8014	0.08328	0.02910	29	-1.22	1%	0
033.01	Salt as chloride, Poten Cl (%)	0510	3.7000	0.02000	3.8014	0.08328	0.02910	29	-1.22	1%	0
033.01	Salt as chloride, Poten Cl (%)	0964	3.7160	0.01200	3.8014	0.08328	0.02910	29	-1.03	1%	0
033.01	Salt as chloride, Poten Cl (%)	0682	3.7300	0.00000	3.8014	0.08328	0.02910	29	-0.86	1%	0
033.01	Salt as chloride, Poten Cl (%)	0407	3.7740	0.00000	3.8014	0.08328	0.02910	29	-0.33	0%	0
033.01	Salt as chloride, Poten Cl (%)	0242	3.7750	0.01000	3.8014	0.08328	0.02910	29	-0.32	0%	0
033.01	Salt as chloride, Poten Cl (%)	0683	3.7900	0.00000	3.8014	0.08328	0.02910	29	-0.14	0%	0
033.01	Salt as chloride, Poten Cl (%)	0148	3.8055	0.00300	3.8014	0.08328	0.02910	29	0.05	0%	0
033.01	Salt as chloride, Poten Cl (%)	0001	3.8200	0.02000	3.8014	0.08328	0.02910	29	0.22	0%	0
033.01	Salt as chloride, Poten Cl (%)	0354	3.8200	0.02000	3.8014	0.08328	0.02910	29	0.22	0%	0
033.01	Salt as chloride, Poten Cl (%)	0644	3.8250	0.03000	3.8014	0.08328	0.02910	29	0.28	0%	0
033.01	Salt as chloride, Poten Cl (%)	0100	3.8300	0.00000	3.8014	0.08328	0.02910	29	0.34	0%	0
033.01	Salt as chloride, Poten Cl (%)	0629	3.8300	0.00000	3.8014	0.08328	0.02910	29	0.34	0%	0
033.01	Salt as chloride, Poten Cl (%)	0226	3.8350	0.01000	3.8014	0.08328	0.02910	29	0.40	0%	0
033.01	Salt as chloride, Poten Cl (%)	0164	3.8500	0.02000	3.8014	0.08328	0.02910	29	0.58	1%	0
033.01	Salt as chloride, Poten Cl (%)	0175	3.8500	0.06000	3.8014	0.08328	0.02910	29	0.58	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	
033.01	Salt as chloride, Poten Cl (%)	0205	3.8500	0.02000	3.8014	0.08328	0.02910	29	0.58	1%	0
033.01	Salt as chloride, Poten Cl (%)	0650	3.8500	0.06000	3.8014	0.08328	0.02910	29	0.58	1%	0
033.01	Salt as chloride, Poten Cl (%)	0011	3.8500	0.12000	3.8014	0.08328	0.02910	29	0.58	1%	0
033.01	Salt as chloride, Poten Cl (%)	0861	3.8600	0.02000	3.8014	0.08328	0.02910	29	0.70	1%	0
033.01	Salt as chloride, Poten Cl (%)	0619	3.8650	0.05000	3.8014	0.08328	0.02910	29	0.76	1%	0
033.01	Salt as chloride, Poten Cl (%)	0098	3.8700	0.02000	3.8014	0.08328	0.02910	29	0.82	1%	0
033.01	Salt as chloride, Poten Cl (%)	0590	3.8900	0.00000	3.8014	0.08328	0.02910	29	1.06	1%	0
033.01	Salt as chloride, Poten Cl (%)	0948	3.8950	0.11000	3.8014	0.08328	0.02910	29	1.12	1%	0
033.01	Salt as chloride, Poten Cl (%)	0019	3.9950	0.03000	3.8014	0.08328	0.02910	29	2.33	3%	0
033.01	Salt as chloride, Poten Cl (%)	2109	2.2840	0.03000	3.8014	0.08328	0.02910	29	-18.22	20%	2
033.03	Salt as chloride, Quantab (%)	0144	3.5600	0.00000	4.2660	0.93080	0.24800	5	-0.76	8%	0
033.03	Salt as chloride, Quantab (%)	0726	3.6400	0.44000	4.2660	0.93080	0.24800	5	-0.67	7%	0
033.03	Salt as chloride, Quantab (%)	0265	4.1300	0.00000	4.2660	0.93080	0.24800	5	-0.15	2%	0
033.03	Salt as chloride, Quantab (%)	0529	4.1400	0.32000	4.2660	0.93080	0.24800	5	-0.14	1%	0
033.03	Salt as chloride, Quantab (%)	0190	5.8600	0.48000	4.2660	0.93080	0.24800	5	1.71	19%	0
033.05	Salt as chloride, Ion Sel Electrode (%)	0171	3.3700	0.02000				3			0
033.05	Salt as chloride, Ion Sel Electrode (%)	2129	3.3800	0.12000				3			0
033.05	Salt as chloride, Ion Sel Electrode (%)	0689	3.7200	0.00000				3			0
033.99	Salt, Miscellaneous (%)	0358	2.3100	0.12000	3.3375	0.84748	0.09500	6	-1.21	15%	0
033.99	Salt, Miscellaneous (%)	0027	2.4450	0.03000	3.3375	0.84748	0.09500	6	-1.05	13%	0
033.99	Salt, Miscellaneous (%)	2073	3.7400	0.08000	3.3375	0.84748	0.09500	6	0.47	6%	0
033.99	Salt, Miscellaneous (%)	0910	3.7600	0.22000	3.3375	0.84748	0.09500	6	0.50	6%	0
033.99	Salt, Miscellaneous (%)	0681	3.8750	0.01000	3.3375	0.84748	0.09500	6	0.63	8%	0
033.99	Salt, Miscellaneous (%)	0208	3.8950	0.11000	3.3375	0.84748	0.09500	6	0.66	8%	0
033.99	Salt, Miscellaneous (%)	0613	3.3495	0.66300	3.3375	0.84748	0.09500	6	0.01	0%	1
034.01	Selenium, Fluor (mg / kg (ppm))	0038	3.9550	0.00800				2			0
034.01	Selenium, Fluor (mg / kg (ppm))	0098	4.1550	0.19000				2			0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0164	3.4600	0.06000	3.9667	0.08021	0.23600	5	-6.32	6%	0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0563	3.8900	0.04000	3.9667	0.08021	0.23600	5	-0.96	1%	0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0610	3.9600	0.12000	3.9667	0.08021	0.23600	5	-0.08	0%	0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0169	4.0300	0.86000	3.9667	0.08021	0.23600	5	0.79	1%	0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0171	4.0500	0.10000	3.9667	0.08021	0.23600	5	1.04	1%	0
034.41	Selenium, ICP, Dry ash (mg / kg (ppm))	0619	4.6300	0.14000				1			0
034.42	Selenium, ICP, Open vessel (mg / kg (ppm))	0692	3.5000	0.20000				2			0
034.42	Selenium, ICP, Open vessel (mg / kg (ppm))	2053	3.5500	0.10000				2			0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	0675	3.3950	0.31000	4.5295	0.07054	0.37750	4	-16.08	13%	0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	0964	4.4785	0.08000	4.5295	0.07054	0.37750	4	-0.72	1%	0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	0010	4.5000	1.0000	4.5295	0.07054	0.37750	4	-0.42	0%	0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	0027	4.6100	0.12000	4.5295	0.07054	0.37750	4	1.14	1%	0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	0021	0.10000	0.20000	4.5295	0.07054	0.37750	4			4
034.52	Selenium, ICP-MS, Open vessel (mg / kg (ppm))	0910	3.5550	0.35000	3.8600	0.30197	0.20000	4	-1.01	4%	0

Test Material Code # 201629

Method Proficiency Testing Report

Issue Date : 10/31/2016

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	
034.52	Selenium, ICP-MS, Open vessel (mg / kg (ppm))	0047	3.6550	0.09000	3.8600	0.30197	0.20000	4	-0.68	3%	0
034.52	Selenium, ICP-MS, Open vessel (mg / kg (ppm))	0555	4.0500	0.30000	3.8600	0.30197	0.20000	4	0.63	2%	0
034.52	Selenium, ICP-MS, Open vessel (mg / kg (ppm))	0208	4.1800	0.06000	3.8600	0.30197	0.20000	4	1.06	4%	0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	2066	3.8850	0.57000	4.0240	0.13673	0.47873	4	-1.02	2%	0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0918	3.9985	0.89590	4.0240	0.13673	0.47873	4	-0.19	0%	0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0021	4.0000	0.20000	4.0240	0.13673	0.47873	4	-0.18	0%	0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0098	4.2125	0.24900	4.0240	0.13673	0.47873	4	1.38	2%	0
034.99	Selenium, Miscellaneous (mg / kg (ppm))	0045	2.0700	0.20000				3			0
034.99	Selenium, Miscellaneous (mg / kg (ppm))	0190	3.3450	0.05000				3			0
034.99	Selenium, Miscellaneous (mg / kg (ppm))	0555	4.1500	0.10000				3			0
035.01	Sodium, Ion-selective electrode (%)	2109	0.76500	0.00800				3			0
035.01	Sodium, Ion-selective electrode (%)	2006	0.87100	0.02000				3			0
035.01	Sodium, Ion-selective electrode (%)	0138	0.89550	0.01500				3			0
035.05	Sodium, Flame Emission (%)	0152	0.80500	0.01000	0.93700	0.10584	0.04650	4	-1.25	7%	0
035.05	Sodium, Flame Emission (%)	0504	0.90300	0.03600	0.93700	0.10584	0.04650	4	-0.32	2%	0
035.05	Sodium, Flame Emission (%)	0108	0.99500	0.13000	0.93700	0.10584	0.04650	4	0.55	3%	0
035.05	Sodium, Flame Emission (%)	0066	1.0450	0.01000	0.93700	0.10584	0.04650	4	1.02	6%	0
035.31	Sodium, AAS, Dry ash (%)	0175	0.71000	0.04000	0.87637	0.08963	0.02198	16	-1.86	9%	0
035.31	Sodium, AAS, Dry ash (%)	0142	0.75125	0.00930	0.87637	0.08963	0.02198	16	-1.40	7%	0
035.31	Sodium, AAS, Dry ash (%)	0683	0.78000	0.02000	0.87637	0.08963	0.02198	16	-1.08	5%	0
035.31	Sodium, AAS, Dry ash (%)	0233	0.80500	0.03000	0.87637	0.08963	0.02198	16	-0.80	4%	0
035.31	Sodium, AAS, Dry ash (%)	0354	0.86500	0.01000	0.87637	0.08963	0.02198	16	-0.13	1%	0
035.31	Sodium, AAS, Dry ash (%)	0629	0.86500	0.01000	0.87637	0.08963	0.02198	16	-0.13	1%	0
035.31	Sodium, AAS, Dry ash (%)	0563	0.87140	0.01540	0.87637	0.08963	0.02198	16	-0.06	0%	0
035.31	Sodium, AAS, Dry ash (%)	0208	0.87200	0.07400	0.87637	0.08963	0.02198	16	-0.05	0%	0
035.31	Sodium, AAS, Dry ash (%)	2022	0.87200	0.00200	0.87637	0.08963	0.02198	16	-0.05	0%	0
035.31	Sodium, AAS, Dry ash (%)	0948	0.87500	0.01000	0.87637	0.08963	0.02198	16	-0.02	0%	0
035.31	Sodium, AAS, Dry ash (%)	0656	0.88500	0.01000	0.87637	0.08963	0.02198	16	0.10	0%	0
035.31	Sodium, AAS, Dry ash (%)	0650	0.93500	0.01000	0.87637	0.08963	0.02198	16	0.65	3%	0
035.31	Sodium, AAS, Dry ash (%)	0921	0.94700	0.00000	0.87637	0.08963	0.02198	16	0.79	4%	0
035.31	Sodium, AAS, Dry ash (%)	0529	0.96550	0.03100	0.87637	0.08963	0.02198	16	0.99	5%	0
035.31	Sodium, AAS, Dry ash (%)	0904	0.98000	0.06000	0.87637	0.08963	0.02198	16	1.16	6%	0
035.31	Sodium, AAS, Dry ash (%)	0689	1.0200	0.02000	0.87637	0.08963	0.02198	16	1.60	8%	0
035.32	Sodium, AAS, Open vessel (%)	0609	0.68500	0.11000				2			0
035.32	Sodium, AAS, Open vessel (%)	0169	0.90000	0.02000				2			0
035.41	Sodium, ICP, Dry ash (%)	0511	0.32000	0.00000	0.84049	0.05718	0.02363	29	-9.10	31%	0
035.41	Sodium, ICP, Dry ash (%)	0083	0.75250	0.00100	0.84049	0.05718	0.02363	29	-1.54	5%	0
035.41	Sodium, ICP, Dry ash (%)	0049	0.77500	0.03000	0.84049	0.05718	0.02363	29	-1.15	4%	0
035.41	Sodium, ICP, Dry ash (%)	0619	0.78650	0.01300	0.84049	0.05718	0.02363	29	-0.94	3%	0
035.41	Sodium, ICP, Dry ash (%)	0298	0.79000	0.02000	0.84049	0.05718	0.02363	29	-0.88	3%	0
035.41	Sodium, ICP, Dry ash (%)	0089	0.79500	0.01000	0.84049	0.05718	0.02363	29	-0.80	3%	0

Test Material Code # 201629

Method Proficiency Testing Report

Issue Date : 10/31/2016

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 (%)	0144	0.81000	0.00000	0.84049	0.05718	0.02363	29	-0.53	2%	0
035.41	Sodium, ICP, Dry ash (%)	0171	0.81000	0.00000	0.84049	0.05718	0.02363	29	-0.53	2%	0
035.41	Sodium, ICP, Dry ash (%)	0148	0.81150	0.00100	0.84049	0.05718	0.02363	29	-0.51	2%	0
035.41	Sodium, ICP, Dry ash (%)	0413	0.81500	0.01000	0.84049	0.05718	0.02363	29	-0.45	2%	0
035.41	Sodium, ICP, Dry ash (%)	0229	0.81650	0.01700	0.84049	0.05718	0.02363	29	-0.42	1%	0
035.41	Sodium, ICP, Dry ash (%)	0123	0.82000	0.00000	0.84049	0.05718	0.02363	29	-0.36	1%	0
035.41	Sodium, ICP, Dry ash (%)	0682	0.82000	0.00000	0.84049	0.05718	0.02363	29	-0.36	1%	0
035.41	Sodium, ICP, Dry ash (%)	2004	0.82300	0.05400	0.84049	0.05718	0.02363	29	-0.31	1%	0
035.41	Sodium, ICP, Dry ash (%)	0720	0.83000	0.04000	0.84049	0.05718	0.02363	29	-0.18	1%	0
035.41	Sodium, ICP, Dry ash (%)	0598	0.83965	0.04790	0.84049	0.05718	0.02363	29	-0.01	0%	0
035.41	Sodium, ICP, Dry ash (%)	0610	0.84500	0.01000	0.84049	0.05718	0.02363	29	0.08	0%	0
035.41	Sodium, ICP, Dry ash (%)	0164	0.84600	0.01600	0.84049	0.05718	0.02363	29	0.10	0%	0
035.41	Sodium, ICP, Dry ash (%)	2012	0.85000	0.00000	0.84049	0.05718	0.02363	29	0.17	1%	0
035.41	Sodium, ICP, Dry ash (%)	0051	0.85310	0.00700	0.84049	0.05718	0.02363	29	0.22	1%	0
035.41	Sodium, ICP, Dry ash (%)	0910	0.87000	0.04000	0.84049	0.05718	0.02363	29	0.52	2%	0
035.41	Sodium, ICP, Dry ash (%)	0208	0.87100	0.22000	0.84049	0.05718	0.02363	29	0.53	2%	0
035.41	Sodium, ICP, Dry ash (%)	0226	0.89600	0.01600	0.84049	0.05718	0.02363	29	0.97	3%	0
035.41	Sodium, ICP, Dry ash (%)	0300	0.90050	0.04100	0.84049	0.05718	0.02363	29	1.05	4%	0
035.41	Sodium, ICP, Dry ash (%)	0358	0.90500	0.05000	0.84049	0.05718	0.02363	29	1.13	4%	0
035.41	Sodium, ICP, Dry ash (%)	0407	0.90730	0.03580	0.84049	0.05718	0.02363	29	1.17	4%	0
035.41	Sodium, ICP, Dry ash (%)	0098	0.93000	0.00000	0.84049	0.05718	0.02363	29	1.57	5%	0
035.41	Sodium, ICP, Dry ash (%)	0011	1.0470	0.00560	0.84049	0.05718	0.02363	29	3.61	12%	0
035.41	Sodium, ICP, Dry ash (%)	0139	1.2300	0.00000	0.84049	0.05718	0.02363	29	6.81	23%	0
035.41	Sodium, ICP, Dry ash (%)	0405	102.00	4.0000	0.84049	0.05718	0.02363	29	1769.00	6018%	2
035.42	Sodium, ICP, Open vessel (%)	0042	0.79450	0.01500	0.87249	0.05436	0.02845	19	-1.43	4%	0
035.42	Sodium, ICP, Open vessel (%)	2051	0.80000	0.02000	0.87249	0.05436	0.02845	19	-1.33	4%	0
035.42	Sodium, ICP, Open vessel (%)	0278	0.80500	0.01000	0.87249	0.05436	0.02845	19	-1.24	4%	0
035.42	Sodium, ICP, Open vessel (%)	0294	0.81000	0.00000	0.87249	0.05436	0.02845	19	-1.15	4%	0
035.42	Sodium, ICP, Open vessel (%)	0555	0.84740	0.02300	0.87249	0.05436	0.02845	19	-0.46	1%	0
035.42	Sodium, ICP, Open vessel (%)	0202	0.85000	0.00000	0.87249	0.05436	0.02845	19	-0.41	1%	0
035.42	Sodium, ICP, Open vessel (%)	0045	0.85250	0.00900	0.87249	0.05436	0.02845	19	-0.37	1%	0
035.42	Sodium, ICP, Open vessel (%)	0366	0.86500	0.05000	0.87249	0.05436	0.02845	19	-0.14	0%	0
035.42	Sodium, ICP, Open vessel (%)	0693	0.86745	0.00870	0.87249	0.05436	0.02845	19	-0.09	0%	0
035.42	Sodium, ICP, Open vessel (%)	0205	0.86750	0.00700	0.87249	0.05436	0.02845	19	-0.09	0%	0
035.42	Sodium, ICP, Open vessel (%)	0870	0.87985	0.01550	0.87249	0.05436	0.02845	19	0.14	0%	0
035.42	Sodium, ICP, Open vessel (%)	0726	0.89150	0.00100	0.87249	0.05436	0.02845	19	0.35	1%	0
035.42	Sodium, ICP, Open vessel (%)	0190	0.90000	0.02000	0.87249	0.05436	0.02845	19	0.51	2%	0
035.42	Sodium, ICP, Open vessel (%)	0265	0.90000	0.04000	0.87249	0.05436	0.02845	19	0.51	2%	0
035.42	Sodium, ICP, Open vessel (%)	0504	0.90300	0.09200	0.87249	0.05436	0.02845	19	0.56	2%	0
035.42	Sodium, ICP, Open vessel (%)	0560	0.91650	0.00300	0.87249	0.05436	0.02845	19	0.81	3%	0
035.42	Sodium, ICP, Open vessel (%)	0692	0.92500	0.11000	0.87249	0.05436	0.02845	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	
035.42	Sodium, ICP, Open vessel (%)	0187	0.94815	0.00630	0.87249	0.05436	0.02845	19	1.39	4%	0
035.42	Sodium, ICP, Open vessel (%)	0613	0.95500	0.11000	0.87249	0.05436	0.02845	19	1.52	5%	0
035.43	Sodium, ICP, Microwave (%)	0510	0.73750	0.00100	0.83817	0.06634	0.02582	17	-1.52	6%	0
035.43	Sodium, ICP, Microwave (%)	0043	0.76000	0.00000	0.83817	0.06634	0.02582	17	-1.18	5%	0
035.43	Sodium, ICP, Microwave (%)	0035	0.77000	0.02000	0.83817	0.06634	0.02582	17	-1.03	4%	0
035.43	Sodium, ICP, Microwave (%)	0021	0.77500	0.09000	0.83817	0.06634	0.02582	17	-0.95	4%	0
035.43	Sodium, ICP, Microwave (%)	0345	0.77950	0.00300	0.83817	0.06634	0.02582	17	-0.88	3%	0
035.43	Sodium, ICP, Microwave (%)	0353	0.82000	0.04000	0.83817	0.06634	0.02582	17	-0.27	1%	0
035.43	Sodium, ICP, Microwave (%)	0861	0.82750	0.01100	0.83817	0.06634	0.02582	17	-0.16	1%	0
035.43	Sodium, ICP, Microwave (%)	0675	0.83500	0.03000	0.83817	0.06634	0.02582	17	-0.05	0%	0
035.43	Sodium, ICP, Microwave (%)	0006	0.85300	0.00600	0.83817	0.06634	0.02582	17	0.22	1%	0
035.43	Sodium, ICP, Microwave (%)	0918	0.85550	0.03500	0.83817	0.06634	0.02582	17	0.26	1%	0
035.43	Sodium, ICP, Microwave (%)	0034	0.86035	0.00250	0.83817	0.06634	0.02582	17	0.33	1%	0
035.43	Sodium, ICP, Microwave (%)	2089	0.87000	0.00000	0.83817	0.06634	0.02582	17	0.48	2%	0
035.43	Sodium, ICP, Microwave (%)	0297	0.87500	0.01000	0.83817	0.06634	0.02582	17	0.56	2%	0
035.43	Sodium, ICP, Microwave (%)	0425	0.87500	0.01000	0.83817	0.06634	0.02582	17	0.56	2%	0
035.43	Sodium, ICP, Microwave (%)	0629	0.87900	0.00000	0.83817	0.06634	0.02582	17	0.62	2%	0
035.43	Sodium, ICP, Microwave (%)	0098	0.94500	0.09000	0.83817	0.06634	0.02582	17	1.61	6%	0
035.43	Sodium, ICP, Microwave (%)	0964	0.99420	0.09040	0.83817	0.06634	0.02582	17	2.35	9%	0
035.51	Sodium, ICP-MS, Dry ash (%)	0019	0.81000	0.02000				1			0
035.52	Sodium, ICP-MS, Open vessel (%)	0154	0.91760	0.02640				1			0
035.53	Sodium, ICP-MS, Microwave (%)	2066	0.81500	0.03000				2			0
035.53	Sodium, ICP-MS, Microwave (%)	0572	0.86800	0.02800				2			0
035.99	Sodium, Miscellaneous (%)	2105	0.62500	0.01000	0.86000	0.08351	0.02167	6	-2.81	14%	0
035.99	Sodium, Miscellaneous (%)	0035	0.84000	0.00000	0.86000	0.08351	0.02167	6	-0.24	1%	0
035.99	Sodium, Miscellaneous (%)	0242	0.85500	0.01000	0.86000	0.08351	0.02167	6	-0.06	0%	0
035.99	Sodium, Miscellaneous (%)	0590	0.87000	0.00000	0.86000	0.08351	0.02167	6	0.12	1%	0
035.99	Sodium, Miscellaneous (%)	0100	0.87500	0.03000	0.86000	0.08351	0.02167	6	0.18	1%	0
035.99	Sodium, Miscellaneous (%)	0889	1.4900	0.08000	0.86000	0.08351	0.02167	6	7.54	37%	0
036.04	Sulfur, LECO (%)	0229	0.47500	0.03000	0.57000	0.06416	0.03000	4	-1.48	8%	0
036.04	Sulfur, LECO (%)	0098	0.59000	0.04000	0.57000	0.06416	0.03000	4	0.31	2%	0
036.04	Sulfur, LECO (%)	0610	0.60000	0.02000	0.57000	0.06416	0.03000	4	0.47	3%	0
036.04	Sulfur, LECO (%)	0226	0.61500	0.03000	0.57000	0.06416	0.03000	4	0.70	4%	0
036.42	Sulfur, ICP, Open vessel (%)	2051	0.56500	0.01000	0.71068	0.07464	0.01541	21	-1.95	10%	0
036.42	Sulfur, ICP, Open vessel (%)	0164	0.63500	0.03000	0.71068	0.07464	0.01541	21	-1.01	5%	0
036.42	Sulfur, ICP, Open vessel (%)	0357	0.64860	0.00560	0.71068	0.07464	0.01541	21	-0.83	4%	0
036.42	Sulfur, ICP, Open vessel (%)	0202	0.66000	0.02000	0.71068	0.07464	0.01541	21	-0.68	4%	0
036.42	Sulfur, ICP, Open vessel (%)	0366	0.66000	0.00000	0.71068	0.07464	0.01541	21	-0.68	4%	0
036.42	Sulfur, ICP, Open vessel (%)	0407	0.66090	0.00700	0.71068	0.07464	0.01541	21	-0.67	4%	0
036.42	Sulfur, ICP, Open vessel (%)	0555	0.66465	0.02930	0.71068	0.07464	0.01541	21	-0.62	3%	0
036.42	Sulfur, ICP, Open vessel (%)	0045	0.66900	0.01400	0.71068	0.07464	0.01541	21	-0.56	3%	0

Test Material Code # 201629

Method Proficiency Testing Report

Issue Date : 10/31/2016

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 (%)	0870	0.68080	0.00040	0.71068	0.07464	0.01541	21	-0.40	2%	0
036.42	Sulfur, ICP, Open vessel (%)	0726	0.68350	0.00700	0.71068	0.07464	0.01541	21	-0.36	2%	0
036.42	Sulfur, ICP, Open vessel (%)	0187	0.68815	0.00250	0.71068	0.07464	0.01541	21	-0.30	2%	0
036.42	Sulfur, ICP, Open vessel (%)	0693	0.70360	0.00980	0.71068	0.07464	0.01541	21	-0.09	0%	0
036.42	Sulfur, ICP, Open vessel (%)	0171	0.70550	0.00300	0.71068	0.07464	0.01541	21	-0.07	0%	0
036.42	Sulfur, ICP, Open vessel (%)	0037	0.73000	0.00000	0.71068	0.07464	0.01541	21	0.26	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0708	0.75600	0.02000	0.71068	0.07464	0.01541	21	0.61	3%	0
036.42	Sulfur, ICP, Open vessel (%)	0190	0.76000	0.02000	0.71068	0.07464	0.01541	21	0.66	3%	0
036.42	Sulfur, ICP, Open vessel (%)	0278	0.77000	0.02000	0.71068	0.07464	0.01541	21	0.79	4%	0
036.42	Sulfur, ICP, Open vessel (%)	0560	0.78450	0.03500	0.71068	0.07464	0.01541	21	0.99	5%	0
036.42	Sulfur, ICP, Open vessel (%)	0692	0.82000	0.08000	0.71068	0.07464	0.01541	21	1.46	8%	0
036.42	Sulfur, ICP, Open vessel (%)	0265	0.83500	0.01000	0.71068	0.07464	0.01541	21	1.67	9%	0
036.42	Sulfur, ICP, Open vessel (%)	0294	0.90000	0.00000	0.71068	0.07464	0.01541	21	2.54	13%	0
036.42	Sulfur, ICP, Open vessel (%)	0613	0.81500	0.13000	0.71068	0.07464	0.01541	21	1.40	7%	1
036.43	Sulfur, ICP, Microwave (%)	0345	0.62550	0.00900	0.70375	0.05379	0.01378	11	-1.45	6%	0
036.43	Sulfur, ICP, Microwave (%)	0297	0.65500	0.01000	0.70375	0.05379	0.01378	11	-0.91	3%	0
036.43	Sulfur, ICP, Microwave (%)	2089	0.68000	0.02000	0.70375	0.05379	0.01378	11	-0.44	2%	0
036.43	Sulfur, ICP, Microwave (%)	0035	0.69000	0.02000	0.70375	0.05379	0.01378	11	-0.26	1%	0
036.43	Sulfur, ICP, Microwave (%)	0510	0.69000	0.00000	0.70375	0.05379	0.01378	11	-0.26	1%	0
036.43	Sulfur, ICP, Microwave (%)	0964	0.69135	0.00570	0.70375	0.05379	0.01378	11	-0.23	1%	0
036.43	Sulfur, ICP, Microwave (%)	0629	0.70500	0.01000	0.70375	0.05379	0.01378	11	0.02	0%	0
036.43	Sulfur, ICP, Microwave (%)	0918	0.70500	0.00600	0.70375	0.05379	0.01378	11	0.02	0%	0
036.43	Sulfur, ICP, Microwave (%)	0169	0.74000	0.02000	0.70375	0.05379	0.01378	11	0.67	3%	0
036.43	Sulfur, ICP, Microwave (%)	0021	0.77500	0.03000	0.70375	0.05379	0.01378	11	1.32	5%	0
036.43	Sulfur, ICP, Microwave (%)	0098	0.82925	0.02090	0.70375	0.05379	0.01378	11	2.33	9%	0
036.43	Sulfur, ICP, Microwave (%)	0353	0.59500	0.07000	0.70375	0.05379	0.01378	11	-2.02	8%	1
036.52	Sulfur, ICP-MS, Open vessel (%)	0910	0.64050	0.03300				1			0
036.99	Sulfur, Miscellaneous (%)	0889	0.61400	0.02000				2			0
036.99	Sulfur, Miscellaneous (%)	0242	0.75500	0.03000				2			0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0001	858.25	6.1000	922.08	45.862	10.852	12	-1.39	3%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0014	868.00	20.000	922.08	45.862	10.852	12	-1.18	3%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0563	887.40	5.2147	922.08	45.862	10.852	12	-0.76	2%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0689	899.55	12.700	922.08	45.862	10.852	12	-0.49	1%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0723	905.00	0.00000	922.08	45.862	10.852	12	-0.37	1%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0066	921.08	17.610	922.08	45.862	10.852	12	-0.02	0%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0529	922.55	17.500	922.08	45.862	10.852	12	0.01	0%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0656	945.76	4.2900	922.08	45.862	10.852	12	0.52	1%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0629	946.00	0.00000	922.08	45.862	10.852	12	0.52	1%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0175	950.00	10.000	922.08	45.862	10.852	12	0.61	2%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0208	970.50	35.000	922.08	45.862	10.852	12	1.06	3%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0354	1,011.6	1.8100	922.08	45.862	10.852	12	1.95	5%	0

Test Material Code # 201629

Method Proficiency Testing Report

Issue Date : 10/31/2016

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))	0904	991.62	80.750	922.08	45.862	10.852	12	1.52	4%	1
037.32	Zinc, AAS, Open vessel (mg / kg (ppm))	2128	726.07	8.5140	970.46	193.62	12.904	4	-1.26	13%	0
037.32	Zinc, AAS, Open vessel (mg / kg (ppm))	0504	950.75	13.100	970.46	193.62	12.904	4	-0.10	1%	0
037.32	Zinc, AAS, Open vessel (mg / kg (ppm))	0612	1,009.0	22.000	970.46	193.62	12.904	4	0.20	2%	0
037.32	Zinc, AAS, Open vessel (mg / kg (ppm))	0609	1,196.0	8.0000	970.46	193.62	12.904	4	1.16	12%	0
037.33	Zinc, AAS, Microwave (mg / kg (ppm))	0504	921.20	19.600				3			0
037.33	Zinc, AAS, Microwave (mg / kg (ppm))	0010	945.00	10.000				3			0
037.33	Zinc, AAS, Microwave (mg / kg (ppm))	0948	986.34	8.5630				3			0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0405	666.00	116.00	886.53	79.872	26.175	23	-2.76	12%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0619	755.50	11.000	886.53	79.872	26.175	23	-1.64	7%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0610	757.00	4.0000	886.53	79.872	26.175	23	-1.62	7%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0720	819.73	5.6750	886.53	79.872	26.175	23	-0.84	4%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0049	824.30	21.360	886.53	79.872	26.175	23	-0.78	4%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0083	829.50	7.0000	886.53	79.872	26.175	23	-0.71	3%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0019	842.85	0.90000	886.53	79.872	26.175	23	-0.55	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0171	849.50	17.000	886.53	79.872	26.175	23	-0.46	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0148	866.95	1.9000	886.53	79.872	26.175	23	-0.25	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	2012	873.97	18.260	886.53	79.872	26.175	23	-0.16	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0098	891.50	57.600	886.53	79.872	26.175	23	0.06	0%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0208	896.95	2.9000	886.53	79.872	26.175	23	0.13	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0598	902.80	6.0000	886.53	79.872	26.175	23	0.20	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0358	905.59	33.150	886.53	79.872	26.175	23	0.24	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0682	910.29	0.00000	886.53	79.872	26.175	23	0.30	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0164	923.00	12.000	886.53	79.872	26.175	23	0.46	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0229	932.24	6.7300	886.53	79.872	26.175	23	0.57	3%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0226	940.00	40.000	886.53	79.872	26.175	23	0.67	3%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0051	944.52	36.810	886.53	79.872	26.175	23	0.73	3%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0407	949.24	29.630	886.53	79.872	26.175	23	0.79	4%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0511	992.50	87.000	886.53	79.872	26.175	23	1.33	6%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0910	995.00	72.000	886.53	79.872	26.175	23	1.36	6%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0011	999.56	15.110	886.53	79.872	26.175	23	1.42	6%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0870	719.75	149.30	882.58	78.496	34.933	21	-2.07	9%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0026	754.00	14.000	882.58	78.496	34.933	21	-1.64	7%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	2051	807.00	12.000	882.58	78.496	34.933	21	-0.96	4%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	2053	810.50	3.0000	882.58	78.496	34.933	21	-0.92	4%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0366	818.00	40.000	882.58	78.496	34.933	21	-0.82	4%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0202	838.04	2.0100	882.58	78.496	34.933	21	-0.57	3%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0613	841.90	138.80	882.58	78.496	34.933	21	-0.52	2%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0187	845.83	0.15000	882.58	78.496	34.933	21	-0.47	2%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0278	854.80	5.2000	882.58	78.496	34.933	21	-0.35	2%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0357	856.75	9.6650	882.58	78.496	34.933	21	-0.33	1%	0

Test Material Code # 201629

Method Proficiency Testing Report

Issue Date : 10/31/2016

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))	0042	876.00	46.000	882.58	78.496	34.933	21	-0.08	0%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0037	894.65	8.9000	882.58	78.496	34.933	21	0.15	1%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0692	922.50	155.00	882.58	78.496	34.933	21	0.51	2%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0413	933.50	23.000	882.58	78.496	34.933	21	0.65	3%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0265	936.00	14.000	882.58	78.496	34.933	21	0.68	3%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0045	943.50	1.0000	882.58	78.496	34.933	21	0.78	3%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0560	952.70	9.0000	882.58	78.496	34.933	21	0.89	4%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0294	953.09	16.220	882.58	78.496	34.933	21	0.90	4%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0693	959.05	9.5408	882.58	78.496	34.933	21	0.97	4%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0190	960.40	11.800	882.58	78.496	34.933	21	0.99	4%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0555	1,022.5	65.000	882.58	78.496	34.933	21	1.78	8%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0726	466.72	914.97	882.58	78.496	34.933	21	-5.30	24%	1
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0028	580.00	0.00000	897.53	91.382	9.6421	21	-3.47	18%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0345	733.50	11.000	897.53	91.382	9.6421	21	-1.79	9%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0968	762.50	3.0000	897.53	91.382	9.6421	21	-1.48	8%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0043	789.00	16.000	897.53	91.382	9.6421	21	-1.19	6%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0034	829.10	5.4000	897.53	91.382	9.6421	21	-0.75	4%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0510	830.50	5.0000	897.53	91.382	9.6421	21	-0.73	4%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0918	850.61	7.4700	897.53	91.382	9.6421	21	-0.51	3%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0021	880.00	0.00000	897.53	91.382	9.6421	21	-0.19	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0098	914.30	6.4000	897.53	91.382	9.6421	21	0.18	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0169	920.00	14.000	897.53	91.382	9.6421	21	0.25	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2089	920.88	4.4800	897.53	91.382	9.6421	21	0.26	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0353	928.50	3.0000	897.53	91.382	9.6421	21	0.34	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0675	931.90	6.9700	897.53	91.382	9.6421	21	0.38	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2143	940.14	16.350	897.53	91.382	9.6421	21	0.47	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0425	948.50	6.6000	897.53	91.382	9.6421	21	0.56	3%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0629	955.00	0.00000	897.53	91.382	9.6421	21	0.63	3%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0035	964.50	19.000	897.53	91.382	9.6421	21	0.73	4%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0964	980.18	2.8240	897.53	91.382	9.6421	21	0.90	5%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0861	981.00	24.000	897.53	91.382	9.6421	21	0.91	5%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0027	998.60	12.990	897.53	91.382	9.6421	21	1.11	6%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0297	1,002.0	38.000	897.53	91.382	9.6421	21	1.14	6%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0504	1,040.9	110.70	897.53	91.382	9.6421	21	1.57	8%	1
037.44	Zinc, ICP, Dry ash (mg / kg (ppm))	2004	854.47	52.930				1			0
037.52	Zinc, ICP-MS, Open vessel (mg / kg (ppm))	0047	854.15	27.100				2			0
037.52	Zinc, ICP-MS, Open vessel (mg / kg (ppm))	0555	911.50	63.000				2			0
037.53	Zinc, ICP-MS, Microwave (mg / kg (ppm))	2066	725.50	21.000				3			0
037.53	Zinc, ICP-MS, Microwave (mg / kg (ppm))	0021	890.00	100.00				3			0
037.53	Zinc, ICP-MS, Microwave (mg / kg (ppm))	0572	954.00	16.000				3			0
037.99	Zinc, Miscellaneous (mg / kg (ppm))	0889	794.50	57.000	900.58	71.650	35.833	6	-1.48	6%	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	
037.99	Zinc, Miscellaneous (mg / kg (ppm))	0242	874.00	88.000	900.58	71.650	35.833	6	-0.37	1%	0
037.99	Zinc, Miscellaneous (mg / kg (ppm))	2129	897.50	23.000	900.58	71.650	35.833	6	-0.04	0%	0
037.99	Zinc, Miscellaneous (mg / kg (ppm))	0590	911.00	4.0000	900.58	71.650	35.833	6	0.15	1%	0
037.99	Zinc, Miscellaneous (mg / kg (ppm))	0035	959.50	21.000	900.58	71.650	35.833	6	0.82	3%	0
037.99	Zinc, Miscellaneous (mg / kg (ppm))	0100	967.00	22.000	900.58	71.650	35.833	6	0.93	4%	0
038.41	Molybdenum, ICP, Dry ash (mg / kg (ppm))	0171	0.25000	0.10000				3			0
038.41	Molybdenum, ICP, Dry ash (mg / kg (ppm))	0226	5.0300	0.18000				3			0
038.41	Molybdenum, ICP, Dry ash (mg / kg (ppm))	0011	220.50	1.2940				3			0
038.42	Molybdenum, ICP, Open vessel (mg / kg (ppm))	0555	4.4500	0.30000				3			0
038.42	Molybdenum, ICP, Open vessel (mg / kg (ppm))	0693	4.8040	0.35470				3			0
038.42	Molybdenum, ICP, Open vessel (mg / kg (ppm))	0278	5.3900	0.20000				3			0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0353	3.1067	0.03990	4.4309	0.96608	0.15913	8	-1.37	15%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0345	3.5800	0.12000	4.4309	0.96608	0.15913	8	-0.88	10%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0504	3.7610	0.37400	4.4309	0.96608	0.15913	8	-0.69	8%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0510	4.4500	0.10000	4.4309	0.96608	0.15913	8	0.02	0%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0169	4.9000	0.14000	4.4309	0.96608	0.15913	8	0.49	5%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0297	5.0850	0.01000	4.4309	0.96608	0.15913	8	0.68	7%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0964	5.1144	0.18910	4.4309	0.96608	0.15913	8	0.71	8%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0021	5.4500	0.30000	4.4309	0.96608	0.15913	8	1.05	12%	0
038.52	Molybdenum, ICP-MS, Open vessel (mg / kg (ppm))	0910	4.6800	1.1000				2			0
038.52	Molybdenum, ICP-MS, Open vessel (mg / kg (ppm))	0555	5.1000	0.40000				2			0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	0098	4.4765	0.53700				3			0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	0918	4.6899	0.09030				3			0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	0021	6.3000	0.20000				3			0
040.42	Barium, ICP, Open vessel (mg / kg (ppm))	0560	12.900	0.60000				1			0
040.43	Barium, ICP, Microwave (mg / kg (ppm))	0504	17.800	12.200				1			0
040.52	Barium, ICP-MS, Open vessel (mg / kg (ppm))	0555	12.000	0.00000				1			0
040.53	Barium, ICP-MS, Microwave (mg / kg (ppm))	0918	10.827	0.09000				1			0
041.43	Vanadium, ICP, Microwave (mg / kg (ppm))	0021	1.9000	0.20000				1			0
041.52	Vanadium, ICP-MS, Open vessel (mg / kg (ppm))	0555	1.3500	0.10000				1			0
041.53	Vanadium, ICP-MS, Microwave (mg / kg (ppm))	0021	2.6000	0.00000				1			0
042.00	Chloride, Titrimetric (%)	0948	2.3650	0.07000				2			0
042.00	Chloride, Titrimetric (%)	0297	2.3800	0.04000				2			0
042.02	Chloride, Ion Chromatography (%)	0413	2.1700	0.02000				1			0
042.99	Chloride, Miscellaneous (%)	0613	2.1750	0.43000				1			0
051.00	Chlortetracycline, Plate (mg / kg (ppm))	0218	8.1672	1.2308				1			0
051.03	Chlortetracycline, LC (mg / kg (ppm))	0038	6.9800	4.6800				2			0
051.03	Chlortetracycline, LC (mg / kg (ppm))	0036	7.9000	1.4000				2			0
051.99	Chlortetracycline, Miscellaneous (mg / kg (ppm))	2127	3.4850	0.61000				1			0
061.02	Lasalocid Sodium, LC (mg / kg (ppm))	0875	0.77500	0.49000				1			0
061.03	Lasalocid Sodium, LC, AOAC (mg / kg (ppm))	2127	1.1850	0.03000				2			0

Test Material Code # 201629

Method Proficiency Testing Report

Issue Date : 10/31/2016

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			
061.03	Lasalocid Sodium, LC, AOAC (mg / kg (ppm))	0038	1.4435	0.09300				2			0
061.99	Lasalocid Sodium, Miscellaneous (mg / kg (ppm))	0610	1.2650	0.01000				1			0
061.99	Lasalocid Sodium, Miscellaneous (mg / kg (ppm))	0619	0.00000	0.00000				1			4
065.00	Monensin, Plate (mg / kg (ppm))	0043	281.90	1.2000	318.60	29.569	20.228	4	-1.24	6%	0
065.00	Monensin, Plate (mg / kg (ppm))	0964	313.35	44.214	318.60	29.569	20.228	4	-0.18	1%	0
065.00	Monensin, Plate (mg / kg (ppm))	0035	326.00	16.000	318.60	29.569	20.228	4	0.25	1%	0
065.00	Monensin, Plate (mg / kg (ppm))	0027	353.15	19.500	318.60	29.569	20.228	4	1.17	5%	0
065.03	Monensin, LC (mg / kg (ppm))	0875	200.50	9.0000	305.50	33.131	17.995	10	-3.17	17%	0
065.03	Monensin, LC (mg / kg (ppm))	0613	209.23	24.460	305.50	33.131	17.995	10	-2.91	16%	0
065.03	Monensin, LC (mg / kg (ppm))	2135	294.10	1.8900	305.50	33.131	17.995	10	-0.34	2%	0
065.03	Monensin, LC (mg / kg (ppm))	0668	308.95	52.100	305.50	33.131	17.995	10	0.10	1%	0
065.03	Monensin, LC (mg / kg (ppm))	0001	309.75	18.900	305.50	33.131	17.995	10	0.13	1%	0
065.03	Monensin, LC (mg / kg (ppm))	0038	312.55	22.700	305.50	33.131	17.995	10	0.21	1%	0
065.03	Monensin, LC (mg / kg (ppm))	0148	323.45	0.90000	305.50	33.131	17.995	10	0.54	3%	0
065.03	Monensin, LC (mg / kg (ppm))	0047	324.00	15.200	305.50	33.131	17.995	10	0.56	3%	0
065.03	Monensin, LC (mg / kg (ppm))	2053	328.50	9.0000	305.50	33.131	17.995	10	0.69	4%	0
065.03	Monensin, LC (mg / kg (ppm))	0910	342.10	25.800	305.50	33.131	17.995	10	1.10	6%	0
065.04	Monensin, LC-PCD (mg / kg (ppm))	0036	317.05	5.5000	322.16	3.5529	4.0070	4	-1.44	1%	0
065.04	Monensin, LC-PCD (mg / kg (ppm))	0590	323.00	0.00000	322.16	3.5529	4.0070	4	0.24	0%	0
065.04	Monensin, LC-PCD (mg / kg (ppm))	0218	323.31	5.1770	322.16	3.5529	4.0070	4	0.32	0%	0
065.04	Monensin, LC-PCD (mg / kg (ppm))	0009	325.28	5.3510	322.16	3.5529	4.0070	4	0.88	0%	0
065.99	Monensin, Miscellaneous (mg / kg (ppm))	0619	194.50	1.0000	320.44	34.498	4.9586	7	-3.65	20%	0
065.99	Monensin, Miscellaneous (mg / kg (ppm))	0033	310.00	2.0000	320.44	34.498	4.9586	7	-0.30	2%	0
065.99	Monensin, Miscellaneous (mg / kg (ppm))	0171	312.00	4.0000	320.44	34.498	4.9586	7	-0.24	1%	0
065.99	Monensin, Miscellaneous (mg / kg (ppm))	0668	318.95	3.3000	320.44	34.498	4.9586	7	-0.04	0%	0
065.99	Monensin, Miscellaneous (mg / kg (ppm))	0553	320.47	12.010	320.44	34.498	4.9586	7	0.00	0%	0
065.99	Monensin, Miscellaneous (mg / kg (ppm))	0512	349.70	8.4000	320.44	34.498	4.9586	7	0.85	5%	0
065.99	Monensin, Miscellaneous (mg / kg (ppm))	0610	363.30	4.0000	320.44	34.498	4.9586	7	1.24	7%	0
067.99	Nicarbazin, Miscellaneous (mg / kg (ppm))	0619	0.00000	0.00000				0			4
079.99	Salinomycin, Miscellaneous (mg / kg (ppm))	0619	0.00000	0.00000				0			4
088.00	Tylosin, Plate (mg / kg (ppm))	0043	45.600	0.60000				2			0
088.00	Tylosin, Plate (mg / kg (ppm))	0014	47.750	4.5000				2			0
088.02	Tylosin, Plate w Hyd (mg / kg (ppm))	0668	45.670	0.60000				1			0
088.03	Tylosin, LC (mg / kg (ppm))	0910	13.300	2.6000	36.994	20.178	2.4760	5	-1.17	32%	0
088.03	Tylosin, LC (mg / kg (ppm))	0032	17.470	2.9800	36.994	20.178	2.4760	5	-0.97	26%	0
088.03	Tylosin, LC (mg / kg (ppm))	0003	47.450	1.9000	36.994	20.178	2.4760	5	0.52	14%	0
088.03	Tylosin, LC (mg / kg (ppm))	0917	48.900	2.2000	36.994	20.178	2.4760	5	0.59	16%	0
088.03	Tylosin, LC (mg / kg (ppm))	0033	57.850	2.7000	36.994	20.178	2.4760	5	1.03	28%	0
091.99	Narasin, Miscellaneous (mg / kg (ppm))	0619	0.00000	0.00000				0			4
101.01	Choline Chloride, Chem (mg / kg (ppm))	2004	744.00	20.000				1			0
101.02	Choline Chloride, LC (mg / kg (ppm))	0227	1,505.0	10.000				2			0

Test Material Code # 201629

Method Proficiency Testing Report

Issue Date : 10/31/2016

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			
101.02	Choline Chloride, LC (mg / kg (ppm))	0904	2,000.0	200.00				2			0
102.01	Niacin, Microbiological (mg / kg (ppm))	0227	1,085.0	50.000				1			0
103.01	Pantothenic Acid, Microbiological (mg / kg (ppm))	0227	9.3050	0.03000				1			0
104.03	Riboflavin, LC (mg / kg (ppm))	0208	1.3250	0.15000				2			0
104.03	Riboflavin, LC (mg / kg (ppm))	0910	1.3500	0.00000				2			0
105.00	Thiamine, LC (mg / kg (ppm))	0208	18.039	0.55000	20.044	2.1292	0.72500	4	-0.94	5%	0
105.00	Thiamine, LC (mg / kg (ppm))	0904	18.825	1.6700	20.044	2.1292	0.72500	4	-0.57	3%	0
105.00	Thiamine, LC (mg / kg (ppm))	0629	20.450	0.00000	20.044	2.1292	0.72500	4	0.19	1%	0
105.00	Thiamine, LC (mg / kg (ppm))	0910	22.860	0.68000	20.044	2.1292	0.72500	4	1.32	7%	0
105.01	Thiamine, Fluorometer (mg / kg (ppm))	0227	23.250	0.50000				1			0
106.00	Vitamin A, Color (KU / kg)	0171	32.750	2.1000				3			0
106.00	Vitamin A, Color (KU / kg)	0964	36.341	1.3007				3			0
106.00	Vitamin A, Color (KU / kg)	0019	56.510	1.5000				3			0
106.01	Vitamin A, UV (KU / kg)	0098	46.100	0.00000				1			0
106.02	Vitamin A, LC (KU / kg)	0905	12.150	4.6530	27.330	6.2402	26.080	20	-2.43	28%	0
106.02	Vitamin A, LC (KU / kg)	0910	18.950	0.70000	27.330	6.2402	26.080	20	-1.34	15%	0
106.02	Vitamin A, LC (KU / kg)	0941	19.221	0.79700	27.330	6.2402	26.080	20	-1.30	15%	0
106.02	Vitamin A, LC (KU / kg)	0555	23.150	7.7000	27.330	6.2402	26.080	20	-0.67	8%	0
106.02	Vitamin A, LC (KU / kg)	0014	23.450	6.1000	27.330	6.2402	26.080	20	-0.62	7%	0
106.02	Vitamin A, LC (KU / kg)	0004	24.000	0.20000	27.330	6.2402	26.080	20	-0.53	6%	0
106.02	Vitamin A, LC (KU / kg)	0563	24.517	0.15440	27.330	6.2402	26.080	20	-0.45	5%	0
106.02	Vitamin A, LC (KU / kg)	2053	25.000	8.2000	27.330	6.2402	26.080	20	-0.37	4%	0
106.02	Vitamin A, LC (KU / kg)	0003	25.140	8.9000	27.330	6.2402	26.080	20	-0.35	4%	0
106.02	Vitamin A, LC (KU / kg)	0676	26.950	2.7000	27.330	6.2402	26.080	20	-0.06	1%	0
106.02	Vitamin A, LC (KU / kg)	0051	27.527	2.9470	27.330	6.2402	26.080	20	0.03	0%	0
106.02	Vitamin A, LC (KU / kg)	2103	28.345	0.75000	27.330	6.2402	26.080	20	0.16	2%	0
106.02	Vitamin A, LC (KU / kg)	0148	29.360	1.9400	27.330	6.2402	26.080	20	0.33	4%	0
106.02	Vitamin A, LC (KU / kg)	0227	30.300	2.8000	27.330	6.2402	26.080	20	0.48	5%	0
106.02	Vitamin A, LC (KU / kg)	0861	31.850	5.5000	27.330	6.2402	26.080	20	0.72	8%	0
106.02	Vitamin A, LC (KU / kg)	0035	32.315	1.9700	27.330	6.2402	26.080	20	0.80	9%	0
106.02	Vitamin A, LC (KU / kg)	0610	32.550	0.90000	27.330	6.2402	26.080	20	0.84	10%	0
106.02	Vitamin A, LC (KU / kg)	0208	32.628	5.7320	27.330	6.2402	26.080	20	0.85	10%	0
106.02	Vitamin A, LC (KU / kg)	0675	63.565	8.9500	27.330	6.2402	26.080	20	5.81	66%	0
106.02	Vitamin A, LC (KU / kg)	0904	21,415	450.00	27.330	6.2402	26.080	20	3427.38	39128%	0
106.02	Vitamin A, LC (KU / kg)	0169	24,550	900.00	27.330	6.2402	26.080	20	3929.76	44864%	1
107.00	Vitamin B12, Microbiological (µg / kg (ppb))	0227	13.000	1.0000				1			0
108.01	Vitamin D3, LC, AOAC (KU / kg)	0169	2,430.0	180.00				1			0
108.02	Vitamin D3, LC (KU / kg)	0676	3.5150	0.27000	8.6570	4.4087	0.41000	5	-1.17	30%	0
108.02	Vitamin D3, LC (KU / kg)	0208	7.0300	0.64000	8.6570	4.4087	0.41000	5	-0.37	9%	0
108.02	Vitamin D3, LC (KU / kg)	0610	7.0500	0.30000	8.6570	4.4087	0.41000	5	-0.36	9%	0
108.02	Vitamin D3, LC (KU / kg)	0227	10.500	0.20000	8.6570	4.4087	0.41000	5	0.42	11%	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	
108.02	Vitamin D3, LC (KU / kg)	0675	15.190	0.64000	8.6570	4.4087	0.41000	5	1.48	38%	0
108.02	Vitamin D3, LC (KU / kg)	0904	4,020.0	800.00	8.6570	4.4087	0.41000	5	909.87	23168%	2
108.99	Vitamin D3, Miscellaneous (KU / kg)	2004	7.9850	0.47000				1			0
109.02	Vitamin E, LC (IU/kg)	0169	11.000	0.00000	77.502	15.305	4.9605	17	-4.35	43%	0
109.02	Vitamin E, LC (IU/kg)	0905	26.000	6.0000	77.502	15.305	4.9605	17	-3.37	33%	0
109.02	Vitamin E, LC (IU/kg)	0676	64.450	10.300	77.502	15.305	4.9605	17	-0.85	8%	0
109.02	Vitamin E, LC (IU/kg)	0910	64.650	14.300	77.502	15.305	4.9605	17	-0.84	8%	0
109.02	Vitamin E, LC (IU/kg)	0208	70.153	0.54700	77.502	15.305	4.9605	17	-0.48	5%	0
109.02	Vitamin E, LC (IU/kg)	0098	71.000	14.000	77.502	15.305	4.9605	17	-0.42	4%	0
109.02	Vitamin E, LC (IU/kg)	0941	71.900	4.0000	77.502	15.305	4.9605	17	-0.37	4%	0
109.02	Vitamin E, LC (IU/kg)	2103	76.900	5.8000	77.502	15.305	4.9605	17	-0.04	0%	0
109.02	Vitamin E, LC (IU/kg)	0555	80.300	6.6000	77.502	15.305	4.9605	17	0.18	2%	0
109.02	Vitamin E, LC (IU/kg)	0610	80.500	1.0000	77.502	15.305	4.9605	17	0.20	2%	0
109.02	Vitamin E, LC (IU/kg)	0227	81.750	11.900	77.502	15.305	4.9605	17	0.28	3%	0
109.02	Vitamin E, LC (IU/kg)	0861	82.000	2.0000	77.502	15.305	4.9605	17	0.29	3%	0
109.02	Vitamin E, LC (IU/kg)	0723	85.630	0.00000	77.502	15.305	4.9605	17	0.53	5%	0
109.02	Vitamin E, LC (IU/kg)	0904	88.880	3.8800	77.502	15.305	4.9605	17	0.74	7%	0
109.02	Vitamin E, LC (IU/kg)	0148	92.185	3.7700	77.502	15.305	4.9605	17	0.96	9%	0
109.02	Vitamin E, LC (IU/kg)	0563	98.842	0.23110	77.502	15.305	4.9605	17	1.39	14%	0
109.02	Vitamin E, LC (IU/kg)	0590	99.300	0.00000	77.502	15.305	4.9605	17	1.42	14%	0
109.02	Vitamin E, LC (IU/kg)	0675	569.31	63.030	77.502	15.305	4.9605	17	32.13	317%	2
109.99	Vitamin E, Miscellaneous (IU/kg)	0171	78.000	0.00000				1			0
112.01	Pyridoxine, LC (µg / g)	0227	4.9950	0.43000				1			0
113.01	Folic Acid, Micro (mg / kg (ppm))	0227	0.84600	0.05000				1			0
114.01	Biotin, Microbiological (mg / kg (ppm))	0227	0.33600	0.00200				1			0
115.00	Non Protein N (NPN), Urea + Am, Urease method	0035	2.0400	0.02000	6.7825	5.2079	0.18400	5	-0.91	35%	0
115.00	Non Protein N (NPN), Urea + Am, Urease method	0596	2.5400	0.06000	6.7825	5.2079	0.18400	5	-0.81	31%	0
115.00	Non Protein N (NPN), Urea + Am, Urease method	0505	10.770	0.24000	6.7825	5.2079	0.18400	5	0.77	29%	0
115.00	Non Protein N (NPN), Urea + Am, Urease method	0004	11.780	0.00000	6.7825	5.2079	0.18400	5	0.96	37%	0
115.00	Non Protein N (NPN), Urea + Am, Urease method	0366	12.800	0.60000	6.7825	5.2079	0.18400	5	1.16	44%	0
115.00	Non Protein N (NPN), Urea + Am, Urease method	0003	11.150	2.3000	6.7825	5.2079	0.18400	5	0.84	32%	1
115.99	Non Protein N (NPN), Miscellaneous (%)	0629	2.4300	0.02000				2			0
115.99	Non Protein N (NPN), Miscellaneous (%)	0027	10.885	0.05000				2			0
120.00	Alanine, Post-col Ninhydrin Der (%)	0619	0.78650	0.00900	0.84608	0.03063	0.01449	20	-1.95	4%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0968	0.79850	0.01100	0.84608	0.03063	0.01449	20	-1.55	3%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0652	0.81500	0.01000	0.84608	0.03063	0.01449	20	-1.01	2%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	2059	0.82200	0.00400	0.84608	0.03063	0.01449	20	-0.79	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0227	0.82500	0.01000	0.84608	0.03063	0.01449	20	-0.69	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0644	0.83250	0.00500	0.84608	0.03063	0.01449	20	-0.44	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0675	0.84000	0.00000	0.84608	0.03063	0.01449	20	-0.20	0%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0870	0.84040	0.02440	0.84608	0.03063	0.01449	20	-0.19	0%	0



Test Material Code # 201629

Method Proficiency Testing Report

Issue Date : 10/31/2016

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	
120.00	Alanine, Post-col Ninhydrin Der (%)	0872	0.84350	0.00100	0.84608	0.03063	0.01449	20	-0.08	0%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0939	0.84500	0.01000	0.84608	0.03063	0.01449	20	-0.04	0%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0354	0.84600	0.00400	0.84608	0.03063	0.01449	20	0.00	0%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0504	0.85000	0.02000	0.84608	0.03063	0.01449	20	0.13	0%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	2022	0.85000	0.04000	0.84608	0.03063	0.01449	20	0.13	0%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0571	0.85150	0.02500	0.84608	0.03063	0.01449	20	0.18	0%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0684	0.85250	0.03500	0.84608	0.03063	0.01449	20	0.21	0%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0918	0.85690	0.00040	0.84608	0.03063	0.01449	20	0.35	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0910	0.87500	0.03000	0.84608	0.03063	0.01449	20	0.94	2%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0171	1.0000	0.00000	0.84608	0.03063	0.01449	20	5.03	9%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0955	1.6200	0.04000	0.84608	0.03063	0.01449	20	25.27	46%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0859	1.7805	0.01100	0.84608	0.03063	0.01449	20	30.51	55%	0
120.02	Alanine, Post-col OPA Der (%)	0098	0.85250	0.00300				1			0
120.05	Alanine, Pre-col AQC Der (%)	0610	0.79000	0.00000				3			0
120.05	Alanine, Pre-col AQC Der (%)	0626	0.79350	0.01500				3			0
120.05	Alanine, Pre-col AQC Der (%)	0676	0.88000	0.02000				3			0
120.99	Alanine, Miscellaneous (%)	0904	0.86500	0.11000				1			0
121.00	Arginine, Post-col Ninhydrin Der (%)	0939	1.1000	0.00000	1.1897	0.03085	0.01294	19	-2.91	4%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0619	1.1250	0.01000	1.1897	0.03085	0.01294	19	-2.10	3%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0870	1.1476	0.02520	1.1897	0.03085	0.01294	19	-1.37	2%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0652	1.1700	0.00000	1.1897	0.03085	0.01294	19	-0.64	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0918	1.1729	0.00070	1.1897	0.03085	0.01294	19	-0.55	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0675	1.1750	0.01000	1.1897	0.03085	0.01294	19	-0.48	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0910	1.1800	0.02000	1.1897	0.03085	0.01294	19	-0.32	0%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	2059	1.1885	0.01100	1.1897	0.03085	0.01294	19	-0.04	0%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0227	1.1900	0.02000	1.1897	0.03085	0.01294	19	0.01	0%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	2022	1.1900	0.00000	1.1897	0.03085	0.01294	19	0.01	0%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0872	1.1980	0.00200	1.1897	0.03085	0.01294	19	0.27	0%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0504	1.2000	0.02000	1.1897	0.03085	0.01294	19	0.33	0%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0684	1.2000	0.00000	1.1897	0.03085	0.01294	19	0.33	0%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0354	1.2005	0.01900	1.1897	0.03085	0.01294	19	0.35	0%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0968	1.2020	0.00400	1.1897	0.03085	0.01294	19	0.40	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0644	1.2075	0.01700	1.1897	0.03085	0.01294	19	0.58	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0571	1.2240	0.00600	1.1897	0.03085	0.01294	19	1.11	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0171	1.3200	0.02000	1.1897	0.03085	0.01294	19	4.22	5%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0859	2.4695	0.06100	1.1897	0.03085	0.01294	19	41.48	54%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0955	2.2300	0.08000	1.1897	0.03085	0.01294	19	33.72	44%	1
121.02	Arginine, Post-col OPA Der (%)	0098	1.1795	0.01700				1			0
121.05	Arginine, Pre-col AQC Der (%)	0626	1.2215	0.04300				3			0
121.05	Arginine, Pre-col AQC Der (%)	0610	1.2450	0.01000				3			0
121.05	Arginine, Pre-col AQC Der (%)	0676	1.2600	0.10000				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			
121.99	Arginine, Miscellaneous (%)	0904	1.2100	0.06000				1			0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0939	1.3750	0.01000	1.5195	0.02893	0.02711	20	-5.00	5%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0619	1.4450	0.01000	1.5195	0.02893	0.02711	20	-2.58	2%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0968	1.4885	0.01700	1.5195	0.02893	0.02711	20	-1.07	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0652	1.4900	0.00000	1.5195	0.02893	0.02711	20	-1.02	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0675	1.5050	0.01000	1.5195	0.02893	0.02711	20	-0.50	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0918	1.5076	0.03500	1.5195	0.02893	0.02711	20	-0.41	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0872	1.5145	0.01100	1.5195	0.02893	0.02711	20	-0.17	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0644	1.5150	0.02600	1.5195	0.02893	0.02711	20	-0.16	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0571	1.5185	0.00900	1.5195	0.02893	0.02711	20	-0.04	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0354	1.5195	0.04500	1.5195	0.02893	0.02711	20	0.00	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0227	1.5200	0.00000	1.5195	0.02893	0.02711	20	0.02	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0910	1.5200	0.02000	1.5195	0.02893	0.02711	20	0.02	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	2059	1.5230	0.00600	1.5195	0.02893	0.02711	20	0.12	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0684	1.5245	0.00700	1.5195	0.02893	0.02711	20	0.17	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0870	1.5337	0.04510	1.5195	0.02893	0.02711	20	0.49	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0504	1.5350	0.01000	1.5195	0.02893	0.02711	20	0.53	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	2022	1.5350	0.05000	1.5195	0.02893	0.02711	20	0.53	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0171	1.7550	0.05000	1.5195	0.02893	0.02711	20	8.14	8%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0955	2.8250	0.09000	1.5195	0.02893	0.02711	20	45.12	43%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0859	3.1195	0.09100	1.5195	0.02893	0.02711	20	55.30	53%	0
122.02	Aspartic, Post-col OPA Der (%)	0098	1.5295	0.01500				1			0
122.05	Aspartic, Pre-col AQC Der (%)	0626	1.3010	0.06400				3			0
122.05	Aspartic, Pre-col AQC Der (%)	0610	1.4950	0.03000				3			0
122.05	Aspartic, Pre-col AQC Der (%)	0676	1.5650	0.13000				3			0
122.99	Aspartic, Miscellaneous (%)	0904	0.43500	0.05000				1			0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	2022	0.26000	0.00000	0.31672	0.02325	0.00761	19	-2.44	9%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0870	0.26580	0.00240	0.31672	0.02325	0.00761	19	-2.19	8%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0227	0.29000	0.02000	0.31672	0.02325	0.00761	19	-1.15	4%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0644	0.29550	0.00900	0.31672	0.02325	0.00761	19	-0.91	3%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0504	0.30500	0.01000	0.31672	0.02325	0.00761	19	-0.50	2%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0968	0.30750	0.00100	0.31672	0.02325	0.00761	19	-0.40	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0910	0.31000	0.02000	0.31672	0.02325	0.00761	19	-0.29	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0684	0.31250	0.00500	0.31672	0.02325	0.00761	19	-0.18	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0872	0.31250	0.00100	0.31672	0.02325	0.00761	19	-0.18	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0918	0.31890	0.00920	0.31672	0.02325	0.00761	19	0.09	0%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0652	0.32000	0.02000	0.31672	0.02325	0.00761	19	0.14	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0354	0.32300	0.00400	0.31672	0.02325	0.00761	19	0.27	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0171	0.32500	0.01000	0.31672	0.02325	0.00761	19	0.36	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0675	0.32500	0.01000	0.31672	0.02325	0.00761	19	0.36	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	2059	0.33050	0.00300	0.31672	0.02325	0.00761	19	0.59	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 Ninhydrin (%)	0619	0.33600	0.00400	0.31672	0.02325	0.00761	19	0.83	3%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0571	0.34100	0.00200	0.31672	0.02325	0.00761	19	1.04	4%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0939	0.35000	0.00000	0.31672	0.02325	0.00761	19	1.43	5%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0955	0.35200	0.01400	0.31672	0.02325	0.00761	19	1.52	6%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0859	0.69450	0.00900	0.31672	0.02325	0.00761	19	16.25	60%	2
124.02	Cysteine/Cystine, PAO Post-col OPA Der (%)	0098	0.31050	0.00900				1			0
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0610	0.26500	0.01000				3			0
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0723	0.31660	0.00000				3			0
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0676	0.32000	0.02000				3			0
124.99	Cysteine/Cystine, Miscellaneous (%)	0904	0.15500	0.05000				1			0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0968	3.0525	0.03500	3.1768	0.10741	0.04637	20	-1.16	2%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0872	3.0680	0.00400	3.1768	0.10741	0.04637	20	-1.01	2%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0571	3.0715	0.00500	3.1768	0.10741	0.04637	20	-0.98	2%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0354	3.0880	0.02600	3.1768	0.10741	0.04637	20	-0.83	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0644	3.0925	0.03300	3.1768	0.10741	0.04637	20	-0.79	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0870	3.1158	0.06660	3.1768	0.10741	0.04637	20	-0.57	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0227	3.1200	0.04000	3.1768	0.10741	0.04637	20	-0.53	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0918	3.1389	0.03180	3.1768	0.10741	0.04637	20	-0.35	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0619	3.1450	0.05000	3.1768	0.10741	0.04637	20	-0.30	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0652	3.1550	0.01000	3.1768	0.10741	0.04637	20	-0.20	0%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0675	3.1650	0.05000	3.1768	0.10741	0.04637	20	-0.11	0%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0939	3.1700	0.00000	3.1768	0.10741	0.04637	20	-0.06	0%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0504	3.1800	0.02000	3.1768	0.10741	0.04637	20	0.03	0%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	2059	3.1825	0.03100	3.1768	0.10741	0.04637	20	0.05	0%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0910	3.1850	0.01000	3.1768	0.10741	0.04637	20	0.08	0%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0684	3.2830	0.02000	3.1768	0.10741	0.04637	20	0.99	2%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	2022	3.3100	0.12000	3.1768	0.10741	0.04637	20	1.24	2%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0171	4.1000	0.00000	3.1768	0.10741	0.04637	20	8.60	15%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0955	6.1650	0.19000	3.1768	0.10741	0.04637	20	27.82	47%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0859	6.3565	0.18500	3.1768	0.10741	0.04637	20	29.60	50%	0
125.02	Glutamic, Post-col OPA Der (%)	0098	3.1220	0.00400				1			0
125.05	Glutamic, Pre-col AQC Der (%)	0626	2.8060	0.10000				3			0
125.05	Glutamic, Pre-col AQC Der (%)	0610	3.0700	0.02000				3			0
125.05	Glutamic, Pre-col AQC Der (%)	0676	3.2950	0.13000				3			0
125.99	Glutamic, Miscellaneous (%)	0904	1.7350	0.05000				1			0
126.00	Glycine, Post-col Ninhydrin Der (%)	0619	0.76350	0.00700	0.82560	0.02050	0.01575	19	-3.03	4%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0939	0.77000	0.02000	0.82560	0.02050	0.01575	19	-2.71	3%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0652	0.80000	0.00000	0.82560	0.02050	0.01575	19	-1.25	2%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0644	0.81050	0.01500	0.82560	0.02050	0.01575	19	-0.74	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0354	0.81500	0.04000	0.82560	0.02050	0.01575	19	-0.52	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0968	0.81650	0.00100	0.82560	0.02050	0.01575	19	-0.44	1%	0

Test Material Code # 201629

Method Proficiency Testing Report

Issue Date : 10/31/2016

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	
126.00	Glycine, Post-col Ninhydrin Der (%)	0870	0.82320	0.02600	0.82560	0.02050	0.01575	19	-0.12	0%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0918	0.82430	0.00220	0.82560	0.02050	0.01575	19	-0.06	0%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0872	0.82450	0.00300	0.82560	0.02050	0.01575	19	-0.05	0%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	2059	0.82450	0.00100	0.82560	0.02050	0.01575	19	-0.05	0%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0675	0.82500	0.01000	0.82560	0.02050	0.01575	19	-0.03	0%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0684	0.82800	0.00400	0.82560	0.02050	0.01575	19	0.12	0%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	2022	0.83000	0.04000	0.82560	0.02050	0.01575	19	0.21	0%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0227	0.83500	0.01000	0.82560	0.02050	0.01575	19	0.46	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0571	0.83750	0.00700	0.82560	0.02050	0.01575	19	0.58	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0910	0.84000	0.02000	0.82560	0.02050	0.01575	19	0.70	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0171	0.85000	0.02000	0.82560	0.02050	0.01575	19	1.19	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0955	1.6000	0.06000	0.82560	0.02050	0.01575	19	37.77	47%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0859	1.7425	0.01300	0.82560	0.02050	0.01575	19	44.73	56%	0
126.02	Glycine, Post-col OPA Der (%)	0098	0.83250	0.00300				1			0
126.05	Glycine, Pre-col AQC Der (%)	0610	0.82000	0.00000				3			0
126.05	Glycine, Pre-col AQC Der (%)	0676	0.84500	0.05000				3			0
126.05	Glycine, Pre-col AQC Der (%)	0626	0.87300	0.03600				3			0
126.99	Glycine, Miscellaneous (%)	0904	0.84500	0.05000				1			0
127.00	Histidine, Post-col Ninhydrin Der (%)	0939	0.39000	0.00000	0.44238	0.02411	0.00657	18	-2.17	6%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0354	0.40900	0.02000	0.44238	0.02411	0.00657	18	-1.38	4%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0968	0.41100	0.00000	0.44238	0.02411	0.00657	18	-1.30	4%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0870	0.42240	0.01520	0.44238	0.02411	0.00657	18	-0.83	2%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	2059	0.42850	0.00100	0.44238	0.02411	0.00657	18	-0.58	2%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0171	0.43000	0.00000	0.44238	0.02411	0.00657	18	-0.51	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0504	0.43000	0.00000	0.44238	0.02411	0.00657	18	-0.51	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0910	0.44500	0.01000	0.44238	0.02411	0.00657	18	0.11	0%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0644	0.44700	0.00600	0.44238	0.02411	0.00657	18	0.19	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0227	0.45000	0.00000	0.44238	0.02411	0.00657	18	0.32	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0652	0.45000	0.00000	0.44238	0.02411	0.00657	18	0.32	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0918	0.45125	0.01110	0.44238	0.02411	0.00657	18	0.37	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0619	0.45200	0.00800	0.44238	0.02411	0.00657	18	0.40	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0872	0.45500	0.00600	0.44238	0.02411	0.00657	18	0.52	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0571	0.46400	0.00600	0.44238	0.02411	0.00657	18	0.90	2%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0675	0.46500	0.01000	0.44238	0.02411	0.00657	18	0.94	3%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	2022	0.47000	0.02000	0.44238	0.02411	0.00657	18	1.15	3%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0684	0.47650	0.00500	0.44238	0.02411	0.00657	18	1.41	4%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0859	0.95950	0.01300	0.44238	0.02411	0.00657	18	21.45	58%	2
127.02	Histidine, Post-col OPA Der (%)	0098	0.43450	0.00900				1			0
127.05	Histidine, Pre-col AQC Der (%)	0676	0.47000	0.02000				3			0
127.05	Histidine, Pre-col AQC Der (%)	0626	0.47450	0.02700				3			0
127.05	Histidine, Pre-col AQC Der (%)	0610	0.55000	0.02000				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			
127.99	Histidine, Miscellaneous (%)	0904	0.46500	0.03000				1			0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0939	0.55000	0.00000	0.65329	0.05154	0.01513	20	-2.00	8%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0684	0.59300	0.03000	0.65329	0.05154	0.01513	20	-1.17	5%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0354	0.59700	0.01800	0.65329	0.05154	0.01513	20	-1.09	4%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0870	0.60520	0.00840	0.65329	0.05154	0.01513	20	-0.93	4%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0918	0.61485	0.01010	0.65329	0.05154	0.01513	20	-0.75	3%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0652	0.62000	0.00000	0.65329	0.05154	0.01513	20	-0.65	3%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0619	0.63450	0.00900	0.65329	0.05154	0.01513	20	-0.36	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0968	0.63900	0.00600	0.65329	0.05154	0.01513	20	-0.28	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0872	0.64250	0.00900	0.65329	0.05154	0.01513	20	-0.21	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0571	0.64650	0.00300	0.65329	0.05154	0.01513	20	-0.13	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0227	0.65500	0.01000	0.65329	0.05154	0.01513	20	0.03	0%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	2059	0.65700	0.00400	0.65329	0.05154	0.01513	20	0.07	0%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0171	0.66000	0.02000	0.65329	0.05154	0.01513	20	0.13	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0644	0.66900	0.01000	0.65329	0.05154	0.01513	20	0.30	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0910	0.69000	0.04000	0.65329	0.05154	0.01513	20	0.71	3%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	2022	0.69000	0.04000	0.65329	0.05154	0.01513	20	0.71	3%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0675	0.70500	0.01000	0.65329	0.05154	0.01513	20	1.00	4%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0504	0.71000	0.00000	0.65329	0.05154	0.01513	20	1.10	4%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0955	1.2400	0.04000	0.65329	0.05154	0.01513	20	11.38	45%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0859	1.2405	0.03500	0.65329	0.05154	0.01513	20	11.39	45%	0
128.02	Isoleucine, Post-col OPA Der (%)	0098	0.65850	0.00700				1			0
128.05	Isoleucine, Pre-col AQC Der (%)	0610	0.66000	0.00000				3			0
128.05	Isoleucine, Pre-col AQC Der (%)	0676	0.67500	0.05000				3			0
128.05	Isoleucine, Pre-col AQC Der (%)	0626	0.71500	0.00400				3			0
128.99	Isoleucine, Miscellaneous (%)	0904	0.66500	0.01000				1			0
129.00	Leucine, Post-col Ninhydrin Der (%)	0939	1.1350	0.01000	1.2394	0.05091	0.01399	19	-2.05	4%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0870	1.1769	0.03970	1.2394	0.05091	0.01399	19	-1.23	3%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0619	1.1800	0.02000	1.2394	0.05091	0.01399	19	-1.17	2%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0652	1.2000	0.00000	1.2394	0.05091	0.01399	19	-0.77	2%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0872	1.2125	0.00100	1.2394	0.05091	0.01399	19	-0.53	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0968	1.2235	0.01100	1.2394	0.05091	0.01399	19	-0.31	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0675	1.2250	0.01000	1.2394	0.05091	0.01399	19	-0.28	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	2059	1.2265	0.01100	1.2394	0.05091	0.01399	19	-0.25	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0354	1.2280	0.01000	1.2394	0.05091	0.01399	19	-0.22	0%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0227	1.2350	0.01000	1.2394	0.05091	0.01399	19	-0.09	0%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0684	1.2355	0.01900	1.2394	0.05091	0.01399	19	-0.08	0%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0571	1.2435	0.00900	1.2394	0.05091	0.01399	19	0.08	0%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0644	1.2460	0.00200	1.2394	0.05091	0.01399	19	0.13	0%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0910	1.2500	0.04000	1.2394	0.05091	0.01399	19	0.21	0%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0918	1.2823	0.00520	1.2394	0.05091	0.01399	19	0.84	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	
129.00	Leucine, Post-col Ninhydrin Der (%)	2022	1.2850	0.01000	1.2394	0.05091	0.01399	19	0.90	2%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0504	1.3050	0.01000	1.2394	0.05091	0.01399	19	1.29	3%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0171	1.3150	0.03000	1.2394	0.05091	0.01399	19	1.49	3%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0859	2.5550	0.01800	1.2394	0.05091	0.01399	19	25.84	53%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0955	2.5300	0.08000	1.2394	0.05091	0.01399	19	25.35	52%	1
129.02	Leucine, Post-col OPA Der (%)	0098	1.2635	0.00300				1			0
129.05	Leucine, Pre-col AQC Der (%)	0610	1.2550	0.01000				3			0
129.05	Leucine, Pre-col AQC Der (%)	0626	1.2880	0.00800				3			0
129.05	Leucine, Pre-col AQC Der (%)	0676	1.3200	0.04000				3			0
129.99	Leucine, Miscellaneous (%)	0904	1.2500	0.04000				1			0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0939	0.73000	0.00000	0.81866	0.06696	0.01247	19	-1.32	5%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0227	0.75000	0.04000	0.81866	0.06696	0.01247	19	-1.03	4%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0619	0.77400	0.01400	0.81866	0.06696	0.01247	19	-0.67	3%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0918	0.78465	0.00430	0.81866	0.06696	0.01247	19	-0.51	2%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0652	0.78500	0.01000	0.81866	0.06696	0.01247	19	-0.50	2%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	2022	0.78500	0.01000	0.81866	0.06696	0.01247	19	-0.50	2%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0354	0.78600	0.00200	0.81866	0.06696	0.01247	19	-0.49	2%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0968	0.78800	0.00400	0.81866	0.06696	0.01247	19	-0.46	2%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0571	0.79900	0.00600	0.81866	0.06696	0.01247	19	-0.29	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	2059	0.79950	0.00700	0.81866	0.06696	0.01247	19	-0.29	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0644	0.80500	0.00000	0.81866	0.06696	0.01247	19	-0.20	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0684	0.80850	0.00100	0.81866	0.06696	0.01247	19	-0.15	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0872	0.81250	0.00700	0.81866	0.06696	0.01247	19	-0.09	0%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0870	0.81595	0.02670	0.81866	0.06696	0.01247	19	-0.04	0%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0675	0.85500	0.01000	0.81866	0.06696	0.01247	19	0.54	2%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0171	0.94500	0.03000	0.81866	0.06696	0.01247	19	1.89	8%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0504	1.0000	0.00000	0.81866	0.06696	0.01247	19	2.71	11%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0955	1.4650	0.05000	0.81866	0.06696	0.01247	19	9.65	39%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0859	1.8875	0.01500	0.81866	0.06696	0.01247	19	15.96	65%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0910	0.82000	0.08000	0.81866	0.06696	0.01247	19	0.02	0%	1
130.02	L-Lysine, Post-col OPA Der (%)	0098	0.82250	0.04500				1			0
130.05	L-Lysine, Pre-col AQC Der (%)	0723	0.73600	0.00000	0.80663	0.05236	0.02075	4	-1.35	4%	0
130.05	L-Lysine, Pre-col AQC Der (%)	0610	0.80000	0.02000	0.80663	0.05236	0.02075	4	-0.13	0%	0
130.05	L-Lysine, Pre-col AQC Der (%)	0676	0.83500	0.05000	0.80663	0.05236	0.02075	4	0.54	2%	0
130.05	L-Lysine, Pre-col AQC Der (%)	0626	0.85550	0.01300	0.80663	0.05236	0.02075	4	0.93	3%	0
130.99	L-Lysine, Miscellaneous (%)	0904	0.85500	0.07000				1			0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0227	0.22000	0.02000	0.23701	0.01536	0.00647	19	-1.11	4%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0939	0.22000	0.00000	0.23701	0.01536	0.00647	19	-1.11	4%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	2022	0.22000	0.02000	0.23701	0.01536	0.00647	19	-1.11	4%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0918	0.22065	0.00330	0.23701	0.01536	0.00647	19	-1.06	3%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0354	0.22150	0.01900	0.23701	0.01536	0.00647	19	-1.01	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	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0684	0.22250	0.00500	0.23701	0.01536	0.00647	19	-0.94	3%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0171	0.22500	0.01000	0.23701	0.01536	0.00647	19	-0.78	3%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0652	0.23000	0.00000	0.23701	0.01536	0.00647	19	-0.46	1%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0955	0.24100	0.00400	0.23701	0.01536	0.00647	19	0.26	1%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0571	0.24200	0.00000	0.23701	0.01536	0.00647	19	0.32	1%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	2059	0.24200	0.00400	0.23701	0.01536	0.00647	19	0.32	1%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0644	0.24300	0.00600	0.23701	0.01536	0.00647	19	0.39	1%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0968	0.24600	0.01200	0.23701	0.01536	0.00647	19	0.59	2%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0872	0.24650	0.00100	0.23701	0.01536	0.00647	19	0.62	2%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0504	0.25000	0.00000	0.23701	0.01536	0.00647	19	0.85	3%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0910	0.25000	0.00000	0.23701	0.01536	0.00647	19	0.85	3%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0870	0.25150	0.00560	0.23701	0.01536	0.00647	19	0.94	3%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0675	0.25500	0.01000	0.23701	0.01536	0.00647	19	1.17	4%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0619	0.25650	0.00300	0.23701	0.01536	0.00647	19	1.27	4%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0859	0.48400	0.00600	0.23701	0.01536	0.00647	19	16.08	52%	2
131.02	Methionine, PAO Post-col OPA Der (%)	0098	0.22650	0.00100				1			0
131.05	Methionine, PAO Pre-col AQC Der (%)	0723	0.24340	0.00000	0.25310	0.00674	0.00950	4	-1.44	2%	0
131.05	Methionine, PAO Pre-col AQC Der (%)	0610	0.25500	0.01000	0.25310	0.00674	0.00950	4	0.28	0%	0
131.05	Methionine, PAO Pre-col AQC Der (%)	0676	0.25500	0.01000	0.25310	0.00674	0.00950	4	0.28	0%	0
131.05	Methionine, PAO Pre-col AQC Der (%)	0626	0.25900	0.01800	0.25310	0.00674	0.00950	4	0.88	1%	0
131.99	Methionine, Miscellaneous (%)	0904	0.27500	0.03000				1			0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0619	0.71750	0.01100	0.78572	0.03652	0.01354	19	-1.87	4%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0910	0.75500	0.01000	0.78572	0.03652	0.01354	19	-0.84	2%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0684	0.75750	0.01300	0.78572	0.03652	0.01354	19	-0.77	2%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	2059	0.75800	0.00600	0.78572	0.03652	0.01354	19	-0.76	2%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0571	0.76250	0.00100	0.78572	0.03652	0.01354	19	-0.64	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0872	0.76550	0.00300	0.78572	0.03652	0.01354	19	-0.55	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0870	0.76720	0.01520	0.78572	0.03652	0.01354	19	-0.51	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0968	0.77050	0.00300	0.78572	0.03652	0.01354	19	-0.42	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0644	0.77350	0.00500	0.78572	0.03652	0.01354	19	-0.33	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0939	0.77500	0.01000	0.78572	0.03652	0.01354	19	-0.29	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0652	0.78500	0.01000	0.78572	0.03652	0.01354	19	-0.02	0%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0675	0.78500	0.01000	0.78572	0.03652	0.01354	19	-0.02	0%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0227	0.79500	0.01000	0.78572	0.03652	0.01354	19	0.25	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0918	0.79655	0.00910	0.78572	0.03652	0.01354	19	0.30	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0354	0.80000	0.06800	0.78572	0.03652	0.01354	19	0.39	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0171	0.83000	0.04000	0.78572	0.03652	0.01354	19	1.21	3%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0504	0.86500	0.01000	0.78572	0.03652	0.01354	19	2.17	5%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0955	1.4550	0.01000	0.78572	0.03652	0.01354	19	18.33	43%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0859	1.7425	0.01300	0.78572	0.03652	0.01354	19	26.20	61%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	2022	0.92500	0.09000	0.78572	0.03652	0.01354	19	3.81	9%	1

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
132.02	Phenylalanine, Post-col OPA Der (%)	0098	0.78450	0.00700				1			0
132.05	Phenylalanine, Pre-col AQC Der (%)	0610	0.79500	0.01000				3			0
132.05	Phenylalanine, Pre-col AQC Der (%)	0676	0.83000	0.04000				3			0
132.05	Phenylalanine, Pre-col AQC Der (%)	0626	0.84900	0.04400				3			0
132.99	Phenylalanine, Miscellaneous (%)	0904	0.82500	0.03000				1			0
133.00	Proline, Post-col Ninhydrin Der (%)	0939	0.82500	0.01000	0.99643	0.06980	0.01565	18	-2.46	9%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0910	0.90000	0.04000	0.99643	0.06980	0.01565	18	-1.38	5%	0
133.00	Proline, Post-col Ninhydrin Der (%)	2022	0.94500	0.03000	0.99643	0.06980	0.01565	18	-0.74	3%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0652	0.95000	0.02000	0.99643	0.06980	0.01565	18	-0.67	2%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0619	0.95150	0.01100	0.99643	0.06980	0.01565	18	-0.64	2%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0870	0.95320	0.02940	0.99643	0.06980	0.01565	18	-0.62	2%	0
133.00	Proline, Post-col Ninhydrin Der (%)	2059	0.97900	0.00400	0.99643	0.06980	0.01565	18	-0.25	1%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0571	0.99000	0.00600	0.99643	0.06980	0.01565	18	-0.09	0%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0872	0.99550	0.00300	0.99643	0.06980	0.01565	18	-0.01	0%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0968	0.99900	0.00000	0.99643	0.06980	0.01565	18	0.04	0%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0644	1.0050	0.00200	0.99643	0.06980	0.01565	18	0.12	0%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0227	1.0100	0.04000	0.99643	0.06980	0.01565	18	0.19	1%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0684	1.0115	0.01500	0.99643	0.06980	0.01565	18	0.22	1%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0354	1.0210	0.00800	0.99643	0.06980	0.01565	18	0.35	1%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0675	1.0300	0.02000	0.99643	0.06980	0.01565	18	0.48	2%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0171	1.1450	0.01000	0.99643	0.06980	0.01565	18	2.13	7%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0918	1.1539	0.01630	0.99643	0.06980	0.01565	18	2.26	8%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0859	2.1205	0.01700	0.99643	0.06980	0.01565	18	16.10	56%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0955	1.9450	0.11000	0.99643	0.06980	0.01565	18	13.59	48%	1
133.05	Proline, Pre-col AQC Der (%)	0610	0.99000	0.00000				3			0
133.05	Proline, Pre-col AQC Der (%)	0626	1.0480	0.02800				3			0
133.05	Proline, Pre-col AQC Der (%)	0676	1.0550	0.01000				3			0
133.99	Proline, Miscellaneous (%)	0904	1.0400	0.06000				1			0
134.00	Serine, Post-col Ninhydrin Der (%)	0619	0.73000	0.01200	0.80528	0.04676	0.01336	20	-1.61	5%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0644	0.75400	0.01000	0.80528	0.04676	0.01336	20	-1.10	3%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0652	0.76500	0.01000	0.80528	0.04676	0.01336	20	-0.86	3%	0
134.00	Serine, Post-col Ninhydrin Der (%)	2022	0.76500	0.01000	0.80528	0.04676	0.01336	20	-0.86	3%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0504	0.77000	0.02000	0.80528	0.04676	0.01336	20	-0.75	2%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0968	0.77350	0.00300	0.80528	0.04676	0.01336	20	-0.68	2%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0939	0.78500	0.01000	0.80528	0.04676	0.01336	20	-0.43	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0571	0.79100	0.00800	0.80528	0.04676	0.01336	20	-0.31	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	2059	0.79150	0.00700	0.80528	0.04676	0.01336	20	-0.29	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0227	0.80000	0.00000	0.80528	0.04676	0.01336	20	-0.11	0%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0675	0.80500	0.01000	0.80528	0.04676	0.01336	20	-0.01	0%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0910	0.80500	0.01000	0.80528	0.04676	0.01336	20	-0.01	0%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0872	0.80850	0.00300	0.80528	0.04676	0.01336	20	0.07	0%	0



Test Material Code # 201629

Method Proficiency Testing Report

Issue Date : 10/31/2016

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	
134.00	Serine, Post-col Ninhydrin Der (%)	0870	0.81885	0.03490	0.80528	0.04676	0.01336	20	0.29	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0918	0.81935	0.01930	0.80528	0.04676	0.01336	20	0.30	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0354	0.83950	0.00700	0.80528	0.04676	0.01336	20	0.73	2%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0684	0.85850	0.02100	0.80528	0.04676	0.01336	20	1.14	3%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0171	0.87000	0.02000	0.80528	0.04676	0.01336	20	1.38	4%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0955	1.6300	0.04000	0.80528	0.04676	0.01336	20	17.64	51%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0859	1.6700	0.01200	0.80528	0.04676	0.01336	20	18.49	54%	0
134.02	Serine, Post-col OPA Der (%)	0098	0.77750	0.01500				1			0
134.05	Serine, Pre-col AQC Der (%)	0610	0.77500	0.01000				3			0
134.05	Serine, Pre-col AQC Der (%)	0626	0.84650	0.01900				3			0
134.05	Serine, Pre-col AQC Der (%)	0676	0.85000	0.04000				3			0
134.99	Serine, Miscellaneous (%)	0904	0.81000	0.02000				1			0
135.00	Threonine, Post-col Ninhydrin Der (%)	0619	0.59300	0.01200	0.65603	0.03202	0.00808	19	-1.97	5%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0939	0.61000	0.00000	0.65603	0.03202	0.00808	19	-1.44	4%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0652	0.62000	0.00000	0.65603	0.03202	0.00808	19	-1.12	3%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0571	0.63250	0.00300	0.65603	0.03202	0.00808	19	-0.73	2%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0968	0.64000	0.00000	0.65603	0.03202	0.00808	19	-0.50	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	2022	0.64500	0.01000	0.65603	0.03202	0.00808	19	-0.34	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	2059	0.64550	0.00100	0.65603	0.03202	0.00808	19	-0.33	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0918	0.65070	0.00580	0.65603	0.03202	0.00808	19	-0.17	0%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0644	0.65100	0.00200	0.65603	0.03202	0.00808	19	-0.16	0%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0872	0.65400	0.00400	0.65603	0.03202	0.00808	19	-0.06	0%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0675	0.65500	0.01000	0.65603	0.03202	0.00808	19	-0.03	0%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0910	0.65500	0.01000	0.65603	0.03202	0.00808	19	-0.03	0%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0227	0.66000	0.00000	0.65603	0.03202	0.00808	19	0.12	0%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0870	0.67570	0.02580	0.65603	0.03202	0.00808	19	0.61	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0684	0.67950	0.00300	0.65603	0.03202	0.00808	19	0.73	2%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0504	0.68500	0.01000	0.65603	0.03202	0.00808	19	0.90	2%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0354	0.68950	0.02300	0.65603	0.03202	0.00808	19	1.05	3%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0171	0.72000	0.02000	0.65603	0.03202	0.00808	19	2.00	5%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0859	1.3520	0.01400	0.65603	0.03202	0.00808	19	21.73	53%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0955	1.2300	0.06000	0.65603	0.03202	0.00808	19	17.92	44%	1
135.02	Threonine, Post-col OPA Der (%)	0098	0.64800	0.00800				1			0
135.05	Threonine, Pre-col AQC Der (%)	0610	0.65000	0.00000				3			0
135.05	Threonine, Pre-col AQC Der (%)	0676	0.65500	0.03000				3			0
135.05	Threonine, Pre-col AQC Der (%)	0626	0.70950	0.02100				3			0
135.99	Threonine, Miscellaneous (%)	0904	0.61500	0.03000				1			0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0870	0.16865	0.01370	0.20964	0.02901	0.01544	5	-1.41	10%	0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0684	0.20600	0.02400	0.20964	0.02901	0.01544	5	-0.13	1%	0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0918	0.20755	0.03150	0.20964	0.02901	0.01544	5	-0.07	0%	0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0619	0.21600	0.00800	0.20964	0.02901	0.01544	5	0.22	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	
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0227	0.25000	0.00000	0.20964	0.02901	0.01544	5	1.39	10%	0
136.01	Tryptophan, Alka-Hydrol Rev Phase LC UV (%)	2059	0.21300	0.00000				2			0
136.01	Tryptophan, Alka-Hydrol Rev Phase LC UV (%)	0644	0.23300	0.00000				2			0
136.02	Tryptophan, Alka-Hydrol Post-col OPA De (%)	0098	0.22950	0.00900				1			0
136.03	Tryptophan, Alka-Hydrol + IS RP LC FI (%)	0859	0.22150	0.00500	0.22725	0.00674	0.00600	4	-0.85	1%	0
136.03	Tryptophan, Alka-Hydrol + IS RP LC FI (%)	0872	0.22200	0.00400	0.22725	0.00674	0.00600	4	-0.78	1%	0
136.03	Tryptophan, Alka-Hydrol + IS RP LC FI (%)	0571	0.23000	0.00000	0.22725	0.00674	0.00600	4	0.41	1%	0
136.03	Tryptophan, Alka-Hydrol + IS RP LC FI (%)	0955	0.23550	0.01500	0.22725	0.00674	0.00600	4	1.22	2%	0
136.99	Tryptophan, Miscellaneous (%)	0610	0.22500	0.01000				2			0
136.99	Tryptophan, Miscellaneous (%)	0504	0.23000	0.02000				2			0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0910	0.32500	0.03000	0.53386	0.05986	0.01324	14	-3.49	20%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0870	0.36040	0.00620	0.53386	0.05986	0.01324	14	-2.90	16%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0675	0.50500	0.01000	0.53386	0.05986	0.01324	14	-0.48	3%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0354	0.51450	0.01500	0.53386	0.05986	0.01324	14	-0.32	2%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0227	0.51500	0.01000	0.53386	0.05986	0.01324	14	-0.32	2%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0684	0.51900	0.00200	0.53386	0.05986	0.01324	14	-0.25	1%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0968	0.52300	0.00400	0.53386	0.05986	0.01324	14	-0.18	1%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0918	0.53010	0.00420	0.53386	0.05986	0.01324	14	-0.06	0%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0872	0.53650	0.01300	0.53386	0.05986	0.01324	14	0.04	0%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0644	0.55050	0.00900	0.53386	0.05986	0.01324	14	0.28	2%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0171	0.57000	0.02000	0.53386	0.05986	0.01324	14	0.60	3%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0504	0.57500	0.01000	0.53386	0.05986	0.01324	14	0.69	4%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	2059	0.66000	0.00200	0.53386	0.05986	0.01324	14	2.11	12%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0939	0.75500	0.05000	0.53386	0.05986	0.01324	14	3.69	21%	0
137.02	Tyrosine, Post-col OPA Der (%)	0098	0.53100	0.03200				1			0
137.05	Tyrosine, Pre-col AQC Der (%)	0626	0.57400	0.02800				3			0
137.05	Tyrosine, Pre-col AQC Der (%)	0676	0.59000	0.00000				3			0
137.05	Tyrosine, Pre-col AQC Der (%)	0610	0.60500	0.01000				3			0
137.99	Tyrosine, Miscellaneous (%)	0904	0.59000	0.02000				1			0
138.00	Valine, Post-col Ninhydrin Der (%)	0939	0.73500	0.01000	0.82308	0.05142	0.01748	20	-1.71	5%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0918	0.77395	0.02950	0.82308	0.05142	0.01748	20	-0.96	3%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0652	0.77500	0.01000	0.82308	0.05142	0.01748	20	-0.94	3%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0675	0.77500	0.03000	0.82308	0.05142	0.01748	20	-0.94	3%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0619	0.78100	0.00800	0.82308	0.05142	0.01748	20	-0.82	3%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0870	0.79080	0.01000	0.82308	0.05142	0.01748	20	-0.63	2%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0684	0.79150	0.05100	0.82308	0.05142	0.01748	20	-0.61	2%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0504	0.80000	0.00000	0.82308	0.05142	0.01748	20	-0.45	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0968	0.80650	0.01300	0.82308	0.05142	0.01748	20	-0.32	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	2059	0.81450	0.00900	0.82308	0.05142	0.01748	20	-0.17	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0872	0.81500	0.00800	0.82308	0.05142	0.01748	20	-0.16	0%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0354	0.82350	0.00300	0.82308	0.05142	0.01748	20	0.01	0%	0

Test Material Code # 201629

Method Proficiency Testing Report

Issue Date : 10/31/2016

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 (%)	0644	0.84500	0.00600	0.82308	0.05142	0.01748	20	0.43	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0571	0.85350	0.00100	0.82308	0.05142	0.01748	20	0.59	2%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0171	0.86000	0.00000	0.82308	0.05142	0.01748	20	0.72	2%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0227	0.86500	0.01000	0.82308	0.05142	0.01748	20	0.82	3%	0
138.00	Valine, Post-col Ninhydrin Der (%)	2022	0.87000	0.06000	0.82308	0.05142	0.01748	20	0.91	3%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0910	0.87500	0.05000	0.82308	0.05142	0.01748	20	1.01	3%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0955	1.4650	0.03000	0.82308	0.05142	0.01748	20	12.48	39%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0859	1.6695	0.01100	0.82308	0.05142	0.01748	20	16.46	51%	0
138.02	Valine, Post-col OPA Der (%)	0098	0.84450	0.00500				1			0
138.05	Valine, Pre-col AQC Der (%)	0610	0.81000	0.00000				3			0
138.05	Valine, Pre-col AQC Der (%)	0626	0.83050	0.00300				3			0
138.05	Valine, Pre-col AQC Der (%)	0676	0.89000	0.04000				3			0
138.99	Valine, Miscellaneous (%)	0904	0.85500	0.07000				1			0
139.02	Taurine, Post-col OPA Der (%)	0098	0.00000	0.00000				0			4
160.99	Fructose, Miscellaneous (%)	0619	0.15750	0.00300				3			0
160.99	Fructose, Miscellaneous (%)	0861	0.25000	0.10000				3			0
160.99	Fructose, Miscellaneous (%)	0227	0.35000	0.06000				3			0
162.99	Glucose, Miscellaneous (%)	0619	0.08600	0.00200				1			0
162.99	Glucose, Miscellaneous (%)	0861	0.00000	0.00000				1			4
163.99	Lactose, Miscellaneous (%)	0861	0.15000	0.10000				1			0
163.99	Lactose, Miscellaneous (%)	0619	0.00000	0.00000				1			4
164.99	Maltose, Miscellaneous (%)	0861	0.00000	0.00000				0			4
165.99	Sucrose, Miscellaneous (%)	0629	1.9500	0.10000	2.1638	0.13095	0.06800	5	-1.63	5%	0
165.99	Sucrose, Miscellaneous (%)	0227	2.1250	0.11000	2.1638	0.13095	0.06800	5	-0.30	1%	0
165.99	Sucrose, Miscellaneous (%)	0723	2.2388	0.00000	2.1638	0.13095	0.06800	5	0.57	2%	0
165.99	Sucrose, Miscellaneous (%)	0861	2.2500	0.10000	2.1638	0.13095	0.06800	5	0.66	2%	0
165.99	Sucrose, Miscellaneous (%)	0619	2.2550	0.03000	2.1638	0.13095	0.06800	5	0.70	2%	0
166.99	Raffinose, Miscellaneous (%)	0227	0.62000	0.02000				2			0
166.99	Raffinose, Miscellaneous (%)	0619	0.78200	0.00000				2			0
167.99	Stachyose, Miscellaneous (%)	0227	0.79500	0.03000				2			0
167.99	Stachyose, Miscellaneous (%)	0619	1.0035	0.01300				2			0
351.04	Chlortetracycline, residual, LC-MS (µg / kg (ppb))	2053	9,220.0	80.000				1			0
361.02	Lasalocid sodium, residual, LC (µg / kg (ppb))	0964	0.64420	0.01240				1			0
361.03	Lasalocid sodium, residual, LC-MS (µg / kg (ppb))	2053	5.0000	0.00000				2			0
361.03	Lasalocid sodium, residual, LC-MS (µg / kg (ppb))	2144	581.00	2.0000				2			0
361.04	Lasalocid sodium, residual, LC-MS/MS (µg / kg (p	0553	990.00	580.00				2			0
361.04	Lasalocid sodium, residual, LC-MS/MS (µg / kg (p	0555	1,150.0	100.00				2			0
365.05	Monensin, residual, LC-MS/MS (µg / kg (ppb))	0555	377.50	5.0000				1			0
392.01	Fenbendazole, residual, LC-MS (µg / kg (ppb))	2053	5,190.0	180.00				1			0
400.01	Water activity, Aqualab chilled mirror (Units)	0407	0.50755	0.00030	0.51722	0.00909	0.00136	5	-1.06	1%	0
400.01	Water activity, Aqualab chilled mirror (Units)	0942	0.51000	0.00000	0.51722	0.00909	0.00136	5	-0.79	1%	0

Test Material Code # 201629

Method Proficiency Testing Report

Issue Date : 10/31/2016

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	
400.01	Water activity, Aqualab chilled mirror (Units)	0552	0.51805	0.00150	0.51722	0.00909	0.00136	5	0.09	0%	0
400.01	Water activity, Aqualab chilled mirror (Units)	0589	0.52000	0.00200	0.51722	0.00909	0.00136	5	0.31	0%	0
400.01	Water activity, Aqualab chilled mirror (Units)	2109	0.53050	0.00300	0.51722	0.00909	0.00136	5	1.46	1%	0
400.01	Water activity, Aqualab chilled mirror (Units)	0843	0.48850	0.02100	0.51722	0.00909	0.00136	5	-3.16	3%	1
400.99	Water activity, Miscellaneous (Units)	2080	0.50500	0.00400				3			0
400.99	Water activity, Miscellaneous (Units)	0843	0.51450	0.00300				3			0
400.99	Water activity, Miscellaneous (Units)	2073	0.53250	0.00300				3			0
516.00	Arsenic, total, AA, Hydride (mg / kg (ppm))	0171	1.3400	0.02000				1			0
516.43	Arsenic, total, ICP, Microwave (mg / kg (ppm))	0964	1.8983	0.07310				1			0
516.43	Arsenic, total, ICP, Microwave (mg / kg (ppm))	0021	0.00000	0.00000				1			4
516.52	Arsenic, total, ICP-MS, Open vessel (mg / kg (ppm))	0910	1.4300	0.24000				3			0
516.52	Arsenic, total, ICP-MS, Open vessel (mg / kg (ppm))	0208	1.4650	0.03000				3			0
516.52	Arsenic, total, ICP-MS, Open vessel (mg / kg (ppm))	0555	1.5500	0.10000				3			0
516.53	Arsenic, total, ICP-MS, Microwave (mg / kg (ppm))	2066	1.1950	0.11000	1.4277	0.14302	0.15174	5	-1.63	8%	0
516.53	Arsenic, total, ICP-MS, Microwave (mg / kg (ppm))	0227	1.4000	0.04000	1.4277	0.14302	0.15174	5	-0.19	1%	0
516.53	Arsenic, total, ICP-MS, Microwave (mg / kg (ppm))	0918	1.4768	0.12570	1.4277	0.14302	0.15174	5	0.34	2%	0
516.53	Arsenic, total, ICP-MS, Microwave (mg / kg (ppm))	0021	1.5000	0.20000	1.4277	0.14302	0.15174	5	0.51	3%	0
516.53	Arsenic, total, ICP-MS, Microwave (mg / kg (ppm))	0098	1.5665	0.28300	1.4277	0.14302	0.15174	5	0.97	5%	0
518.41	Cadmium, ICP, Dry ash (mg / kg (ppm))	0619	0.05500	0.01800				2			0
518.41	Cadmium, ICP, Dry ash (mg / kg (ppm))	0011	0.62800	0.01800				2			0
518.43	Cadmium, ICP, Microwave (mg / kg (ppm))	0021	0.30000	0.00000				2			0
518.43	Cadmium, ICP, Microwave (mg / kg (ppm))	0964	0.33640	0.03400				2			0
518.52	Cadmium, ICP-MS, Open vessel (mg / kg (ppm))	0208	0.31300	0.02800				2			0
518.52	Cadmium, ICP-MS, Open vessel (mg / kg (ppm))	0910	0.33000	0.04000				2			0
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	2066	0.25000	0.04000	0.32988	0.06052	0.03928	5	-1.32	12%	0
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0918	0.32040	0.00640	0.32988	0.06052	0.03928	5	-0.16	1%	0
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0227	0.32400	0.01200	0.32988	0.06052	0.03928	5	-0.10	1%	0
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0021	0.33500	0.03000	0.32988	0.06052	0.03928	5	0.08	1%	0
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0098	0.42000	0.10800	0.32988	0.06052	0.03928	5	1.49	14%	0
520.31	Chromium, AAS, Dry ash (mg / kg (ppm))	0904	7.9900	1.1400				2			0
520.31	Chromium, AAS, Dry ash (mg / kg (ppm))	0529	9.9000	0.20000				2			0
520.41	Chromium, ICP, Dry ash (mg / kg (ppm))	0171	0.35000	0.10000				3			0
520.41	Chromium, ICP, Dry ash (mg / kg (ppm))	0619	9.2550	0.67000				3			0
520.41	Chromium, ICP, Dry ash (mg / kg (ppm))	0011	10.326	0.18600				3			0
520.43	Chromium, ICP, Microwave (mg / kg (ppm))	0510	15.450	0.30000				3			0
520.43	Chromium, ICP, Microwave (mg / kg (ppm))	0021	18.000	0.00000				3			0
520.43	Chromium, ICP, Microwave (mg / kg (ppm))	0964	19.982	4.6394				3			0
520.52	Chromium, ICP-MS, Open vessel (mg / kg (ppm))	0555	8.8000	1.2000				1			0
520.53	Chromium, ICP-MS, Microwave (mg / kg (ppm))	0918	11.084	1.4581				2			0
520.53	Chromium, ICP-MS, Microwave (mg / kg (ppm))	0021	23.000	0.00000				2			0
526.31	Lead, AAS, Dry ash (mg / kg (ppm))	0689	4.4000	0.80000				1			0



Test Material Code # 201629

Method Proficiency Testing Report

Issue Date : 10/31/2016

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			
526.41	Lead, ICP, Dry ash (mg / kg (ppm))	0619	0.00000	0.00000				0			4
526.43	Lead, ICP, Microwave (mg / kg (ppm))	0964	0.83095	0.03350				2			0
526.43	Lead, ICP, Microwave (mg / kg (ppm))	0504	4.9080	1.9900				2			0
526.43	Lead, ICP, Microwave (mg / kg (ppm))	0021	0.00000	0.00000				2			4
526.52	Lead, ICP-MS, Open vessel (mg / kg (ppm))	0555	0.69500	0.03000				3			0
526.52	Lead, ICP-MS, Open vessel (mg / kg (ppm))	0208	0.75300	0.09600				3			0
526.52	Lead, ICP-MS, Open vessel (mg / kg (ppm))	0910	0.80000	0.18000				3			0
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0021	0.72000	0.08000	0.75437	0.02771	0.10478	5	-1.24	2%	0
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0227	0.73350	0.10700	0.75437	0.02771	0.10478	5	-0.75	1%	0
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0098	0.75700	0.20200	0.75437	0.02771	0.10478	5	0.09	0%	0
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	2066	0.77500	0.11000	0.75437	0.02771	0.10478	5	0.74	1%	0
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0918	0.78635	0.02490	0.75437	0.02771	0.10478	5	1.15	2%	0
529.99	Mercury, Miscellaneous (µg / kg (ppb))	2066	475.00	70.000				1			0
539.41	Nickel, ICP, Dry ash (mg / kg (ppm))	0011	10.060	0.19900				1			0
539.43	Nickel, ICP, Microwave (mg / kg (ppm))	0964	9.9059	0.48400				3			0
539.43	Nickel, ICP, Microwave (mg / kg (ppm))	0021	10.000	0.00000				3			0
539.43	Nickel, ICP, Microwave (mg / kg (ppm))	0504	12.055	0.57000				3			0
539.52	Nickel, ICP-MS, Open vessel (mg / kg (ppm))	0555	6.9950	0.41000				1			0
539.53	Nickel, ICP-MS, Microwave (mg / kg (ppm))	0918	7.2433	0.75520				2			0
539.53	Nickel, ICP-MS, Microwave (mg / kg (ppm))	0021	11.000	0.00000				2			0
710.99	Lauric Acid (12:0), Miscellaneous (% (w	676	0.00200	0.00000				1			0
718.99	Palmitoleic Acid (9c-16:1), Miscellaneou:	676	0.01000	0.00200				1			0
726.99	Linoleic Acid (9c,12c-18:2), Miscellaneou	676	0.99900	0.01000				1			0
728.99	alpha-Linolenic Acid (9c,12c,15c-18:3), l	676	0.08950	0.00100				1			0
736.99	Arachidonic Acid (5c,8c,11c,14c-20:4), l	676	0.00000	0.00000				0			4
740.99	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5), l	676	0.00000	0.00000				0			4
746.99	Docosapentaenoic Acid n-3 DPA (DHA), l	676	0.00100	0.00000				1			0
750.99	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-22:6), l	676	0.00000	0.00000				0			4
754.99	Total n-3 Polyunsaturated (Omega-3) F&e	676	0.09000	0.00000				1			0
756.99	Total n-6 Polyunsaturated (Omega-6) F&e	676	1.0050	0.01000				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 this case the Z Scores may be included for information only (Grey, No Action!). Flag 3 indicates not used in statistics.