



Equine Feed

Animal Feed Scheme

Labs Reporting: 178

Test Material Code # 201821

Method Proficiency Testing Report

Issue Date : 02/28/2018

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
000.02	Urea, As protein, Colorimetric (%)	0278	0.10000	0.00000				1			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0504	7.1700	0.08000	7.3314	0.16081	0.06280	5			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0016	7.2300	0.18000	7.3314	0.16081	0.06280	5			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0309	7.2480	0.01400	7.3314	0.16081	0.06280	5			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0027	7.4940	0.01000	7.3314	0.16081	0.06280	5			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0169	7.5150	0.03000	7.3314	0.16081	0.06280	5			0
001.03	Loss on Drying, Low temp. methods (%)	0895	7.3250	0.01000	7.3938	0.08712	0.02250	4			0
001.03	Loss on Drying, Low temp. methods (%)	2152	7.3500	0.02000	7.3938	0.08712	0.02250	4			0
001.03	Loss on Drying, Low temp. methods (%)	0868	7.3800	0.00000	7.3938	0.08712	0.02250	4			0
001.03	Loss on Drying, Low temp. methods (%)	0878	7.5200	0.06000	7.3938	0.08712	0.02250	4			0
001.03	Loss on Drying, Low temp. methods (%)	0186	7.2700	0.36000	7.3938	0.08712	0.02250	4			1
001.05	Loss on Drying, LECO (%)	0610	7.1650	0.01000				2			0
001.05	Loss on Drying, LECO (%)	0644	7.4850	0.05000				2			0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0618	4.9200	0.10000	7.3400	0.26286	0.07647	40	-9.21	16%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0074	6.7650	0.07000	7.3400	0.26286	0.07647	40	-2.19	4%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0019	6.9000	0.20000	7.3400	0.26286	0.07647	40	-1.67	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0089	7.0000	0.00000	7.3400	0.26286	0.07647	40	-1.29	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0407	7.0962	0.08620	7.3400	0.26286	0.07647	40	-0.93	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2195	7.1000	0.00000	7.3400	0.26286	0.07647	40	-0.91	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0297	7.1250	0.19000	7.3400	0.26286	0.07647	40	-0.82	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0413	7.1500	0.10000	7.3400	0.26286	0.07647	40	-0.72	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2146	7.1500	0.04000	7.3400	0.26286	0.07647	40	-0.72	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0083	7.1550	0.03000	7.3400	0.26286	0.07647	40	-0.70	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2059	7.1600	0.02000	7.3400	0.26286	0.07647	40	-0.68	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2009	7.1624	0.01040	7.3400	0.26286	0.07647	40	-0.68	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2053	7.2100	0.06000	7.3400	0.26286	0.07647	40	-0.49	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2145	7.2100	0.00000	7.3400	0.26286	0.07647	40	-0.49	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0139	7.2150	0.01000	7.3400	0.26286	0.07647	40	-0.48	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0675	7.2250	0.07000	7.3400	0.26286	0.07647	40	-0.44	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0353	7.2500	0.02000	7.3400	0.26286	0.07647	40	-0.34	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0049	7.2600	0.10000	7.3400	0.26286	0.07647	40	-0.30	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0045	7.2700	0.06000	7.3400	0.26286	0.07647	40	-0.27	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0187	7.3150	0.01000	7.3400	0.26286	0.07647	40	-0.10	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	
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0003	7.3400	0.12000	7.3400	0.26286	0.07647	40	0.00	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0571	7.3550	0.01000	7.3400	0.26286	0.07647	40	0.06	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0638	7.3600	0.00000	7.3400	0.26286	0.07647	40	0.08	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0693	7.4000	0.20000	7.3400	0.26286	0.07647	40	0.23	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0035	7.4150	0.01000	7.3400	0.26286	0.07647	40	0.29	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0226	7.4300	0.18000	7.3400	0.26286	0.07647	40	0.34	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0590	7.4400	0.22000	7.3400	0.26286	0.07647	40	0.38	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0171	7.4650	0.01000	7.3400	0.26286	0.07647	40	0.48	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0581	7.5250	0.03000	7.3400	0.26286	0.07647	40	0.70	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2109	7.5250	0.01000	7.3400	0.26286	0.07647	40	0.70	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0689	7.5500	0.10000	7.3400	0.26286	0.07647	40	0.80	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0849	7.5660	0.03200	7.3400	0.26286	0.07647	40	0.86	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0098	7.5700	0.04000	7.3400	0.26286	0.07647	40	0.88	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0876	7.5750	0.03000	7.3400	0.26286	0.07647	40	0.89	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0142	7.6350	0.05000	7.3400	0.26286	0.07647	40	1.12	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0683	7.6600	0.22000	7.3400	0.26286	0.07647	40	1.22	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0872	7.6950	0.03000	7.3400	0.26286	0.07647	40	1.35	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2192	8.0500	0.20000	7.3400	0.26286	0.07647	40	2.70	5%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0278	8.4150	0.19000	7.3400	0.26286	0.07647	40	4.09	7%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0609	8.5000	0.20000	7.3400	0.26286	0.07647	40	4.41	8%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0512	6.8970	0.51000	7.3400	0.26286	0.07647	40	-1.69	3%	1
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0015	7.0500	0.50000	7.3400	0.26286	0.07647	40	-1.10	2%	1
001.99	Loss on Drying, Miscellaneous (%)	0618	5.8500	0.34000	7.1760	0.39559	0.10982	19	-3.35	9%	0
001.99	Loss on Drying, Miscellaneous (%)	0536	6.1650	0.17000	7.1760	0.39559	0.10982	19	-2.56	7%	0
001.99	Loss on Drying, Miscellaneous (%)	0676	6.8500	0.02000	7.1760	0.39559	0.10982	19	-0.82	2%	0
001.99	Loss on Drying, Miscellaneous (%)	0630	6.9500	0.00000	7.1760	0.39559	0.10982	19	-0.57	2%	0
001.99	Loss on Drying, Miscellaneous (%)	0918	6.9850	0.21000	7.1760	0.39559	0.10982	19	-0.48	1%	0
001.99	Loss on Drying, Miscellaneous (%)	2126	6.9950	0.01000	7.1760	0.39559	0.10982	19	-0.46	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0612	7.0000	0.04000	7.1760	0.39559	0.10982	19	-0.44	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0889	7.0700	0.00000	7.1760	0.39559	0.10982	19	-0.27	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0948	7.0900	0.04000	7.1760	0.39559	0.10982	19	-0.22	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0910	7.1000	0.00000	7.1760	0.39559	0.10982	19	-0.19	1%	0
001.99	Loss on Drying, Miscellaneous (%)	2155	7.1000	0.20000	7.1760	0.39559	0.10982	19	-0.19	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0034	7.1900	0.24000	7.1760	0.39559	0.10982	19	0.04	0%	0
001.99	Loss on Drying, Miscellaneous (%)	0560	7.3400	0.44000	7.1760	0.39559	0.10982	19	0.41	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0510	7.3500	0.10000	7.1760	0.39559	0.10982	19	0.44	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0505	7.4100	0.08000	7.1760	0.39559	0.10982	19	0.59	2%	0
001.99	Loss on Drying, Miscellaneous (%)	0629	7.5150	0.09000	7.1760	0.39559	0.10982	19	0.86	2%	0
001.99	Loss on Drying, Miscellaneous (%)	0037	7.6950	0.05000	7.1760	0.39559	0.10982	19	1.31	4%	0
001.99	Loss on Drying, Miscellaneous (%)	0357	7.8444	0.03660	7.1760	0.39559	0.10982	19	1.69	5%	0
001.99	Loss on Drying, Miscellaneous (%)	0019	7.9400	0.02000	7.1760	0.39559	0.10982	19	1.93	5%	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			
002.00	Protein, Crude (%)	0169	17.770	0.02000				1			0
002.01	Protein, Auto Kjel-Foss (%)	2188	17.815	0.01000	18.330	0.37043	0.11758	12	-1.39	1%	0
002.01	Protein, Auto Kjel-Foss (%)	0889	18.040	0.04000	18.330	0.37043	0.11758	12	-0.78	1%	0
002.01	Protein, Auto Kjel-Foss (%)	0910	18.100	0.00000	18.330	0.37043	0.11758	12	-0.62	1%	0
002.01	Protein, Auto Kjel-Foss (%)	0043	18.160	0.08000	18.330	0.37043	0.11758	12	-0.46	0%	0
002.01	Protein, Auto Kjel-Foss (%)	0653	18.190	0.06000	18.330	0.37043	0.11758	12	-0.38	0%	0
002.01	Protein, Auto Kjel-Foss (%)	2195	18.240	0.00000	18.330	0.37043	0.11758	12	-0.24	0%	0
002.01	Protein, Auto Kjel-Foss (%)	0968	18.276	0.23600	18.330	0.37043	0.11758	12	-0.15	0%	0
002.01	Protein, Auto Kjel-Foss (%)	0723	18.290	0.00000	18.330	0.37043	0.11758	12	-0.11	0%	0
002.01	Protein, Auto Kjel-Foss (%)	0652	18.450	0.30000	18.330	0.37043	0.11758	12	0.32	0%	0
002.01	Protein, Auto Kjel-Foss (%)	0028	18.655	0.35000	18.330	0.37043	0.11758	12	0.88	1%	0
002.01	Protein, Auto Kjel-Foss (%)	0152	18.861	0.15500	18.330	0.37043	0.11758	12	1.43	1%	0
002.01	Protein, Auto Kjel-Foss (%)	0685	18.950	0.18000	18.330	0.37043	0.11758	12	1.67	2%	0
002.01	Protein, Auto Kjel-Foss (%)	0870	18.342	0.80100	18.330	0.37043	0.11758	12	0.03	0%	1
002.02	Protein, Semiauto Autoanalyzer (%)	0036	18.373	0.22000				3			0
002.02	Protein, Semiauto Autoanalyzer (%)	0042	18.480	0.16000				3			0
002.02	Protein, Semiauto Autoanalyzer (%)	2193	18.770	0.22000				3			0
002.03	Protein, Hach Method (%)	0536	15.715	0.09000				1			0
002.04	Protein, Copper Catalyst (%)	0874	17.820	0.10000				3			0
002.04	Protein, Copper Catalyst (%)	0638	18.390	0.06000				3			0
002.04	Protein, Copper Catalyst (%)	0187	18.535	0.01000				3			0
002.04	Protein, Copper Catalyst (%)	0504	18.190	0.52000				3			1
002.04	Protein, Copper Catalyst (%)	0405	23.570	0.08000				3			2
002.05	Protein, Copper, Boric Acid (%)	0536	16.525	0.17000	18.282	0.17267	0.09607	27	-10.18	5%	0
002.05	Protein, Copper, Boric Acid (%)	2146	17.775	0.21000	18.282	0.17267	0.09607	27	-2.94	1%	0
002.05	Protein, Copper, Boric Acid (%)	2145	18.025	0.05000	18.282	0.17267	0.09607	27	-1.49	1%	0
002.05	Protein, Copper, Boric Acid (%)	0921	18.110	0.00000	18.282	0.17267	0.09607	27	-1.00	0%	0
002.05	Protein, Copper, Boric Acid (%)	0881	18.171	0.01300	18.282	0.17267	0.09607	27	-0.65	0%	0
002.05	Protein, Copper, Boric Acid (%)	2073	18.175	0.05000	18.282	0.17267	0.09607	27	-0.62	0%	0
002.05	Protein, Copper, Boric Acid (%)	0868	18.180	0.12000	18.282	0.17267	0.09607	27	-0.59	0%	0
002.05	Protein, Copper, Boric Acid (%)	0354	18.195	0.01000	18.282	0.17267	0.09607	27	-0.51	0%	0
002.05	Protein, Copper, Boric Acid (%)	0689	18.200	0.00000	18.282	0.17267	0.09607	27	-0.48	0%	0
002.05	Protein, Copper, Boric Acid (%)	2181	18.215	0.21000	18.282	0.17267	0.09607	27	-0.39	0%	0
002.05	Protein, Copper, Boric Acid (%)	0675	18.220	0.06000	18.282	0.17267	0.09607	27	-0.36	0%	0
002.05	Protein, Copper, Boric Acid (%)	0955	18.250	0.30000	18.282	0.17267	0.09607	27	-0.19	0%	0
002.05	Protein, Copper, Boric Acid (%)	0941	18.260	0.30000	18.282	0.17267	0.09607	27	-0.13	0%	0
002.05	Protein, Copper, Boric Acid (%)	2022	18.275	0.01000	18.282	0.17267	0.09607	27	-0.04	0%	0
002.05	Protein, Copper, Boric Acid (%)	0885	18.284	0.27370	18.282	0.17267	0.09607	27	0.01	0%	0
002.05	Protein, Copper, Boric Acid (%)	0939	18.285	0.09000	18.282	0.17267	0.09607	27	0.02	0%	0
002.05	Protein, Copper, Boric Acid (%)	2109	18.310	0.10000	18.282	0.17267	0.09607	27	0.16	0%	0
002.05	Protein, Copper, Boric Acid (%)	0895	18.320	0.02000	18.282	0.17267	0.09607	27	0.22	0%	0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
002.05	Protein, Copper, Boric Acid (%)	2196	18.340	0.00000	18.282	0.17267	0.09607	27	0.33	0%	0
002.05	Protein, Copper, Boric Acid (%)	0878	18.370	0.10000	18.282	0.17267	0.09607	27	0.51	0%	0
002.05	Protein, Copper, Boric Acid (%)	2009	18.425	0.08030	18.282	0.17267	0.09607	27	0.83	0%	0
002.05	Protein, Copper, Boric Acid (%)	2006	18.425	0.09000	18.282	0.17267	0.09607	27	0.83	0%	0
002.05	Protein, Copper, Boric Acid (%)	0948	18.475	0.03000	18.282	0.17267	0.09607	27	1.12	1%	0
002.05	Protein, Copper, Boric Acid (%)	2152	18.480	0.02000	18.282	0.17267	0.09607	27	1.14	1%	0
002.05	Protein, Copper, Boric Acid (%)	0897	18.505	0.03000	18.282	0.17267	0.09607	27	1.29	1%	0
002.05	Protein, Copper, Boric Acid (%)	0683	18.545	0.19000	18.282	0.17267	0.09607	27	1.52	1%	0
002.05	Protein, Copper, Boric Acid (%)	0849	18.597	0.06700	18.282	0.17267	0.09607	27	1.82	1%	0
002.05	Protein, Copper, Boric Acid (%)	0952	13.645	0.03000	18.282	0.17267	0.09607	27	-26.86	13%	2
002.06	Protein, Combustion Nitrogen Analyzer (%)	0676	17.970	0.18000	18.617	0.27772	0.15014	114	-2.33	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0539	18.075	0.03000	18.617	0.27772	0.15014	114	-1.95	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0918	18.135	0.21000	18.617	0.27772	0.15014	114	-1.74	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0098	18.185	0.17000	18.617	0.27772	0.15014	114	-1.56	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0100	18.200	0.06000	18.617	0.27772	0.15014	114	-1.50	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0160	18.250	0.70000	18.617	0.27772	0.15014	114	-1.32	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0859	18.269	0.11100	18.617	0.27772	0.15014	114	-1.25	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0872	18.280	0.04000	18.617	0.27772	0.15014	114	-1.21	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0018	18.285	0.11000	18.617	0.27772	0.15014	114	-1.20	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0884	18.300	0.00000	18.617	0.27772	0.15014	114	-1.14	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0644	18.308	0.16600	18.617	0.27772	0.15014	114	-1.11	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0019	18.315	0.19000	18.617	0.27772	0.15014	114	-1.09	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0309	18.337	0.21100	18.617	0.27772	0.15014	114	-1.01	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0609	18.340	0.10000	18.617	0.27772	0.15014	114	-1.00	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2155	18.343	0.62900	18.617	0.27772	0.15014	114	-0.99	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0505	18.345	0.03000	18.617	0.27772	0.15014	114	-0.98	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0010	18.350	0.30000	18.617	0.27772	0.15014	114	-0.96	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0202	18.350	0.06000	18.617	0.27772	0.15014	114	-0.96	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0955	18.350	0.10000	18.617	0.27772	0.15014	114	-0.96	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0870	18.357	0.05190	18.617	0.27772	0.15014	114	-0.94	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0939	18.360	0.16000	18.617	0.27772	0.15014	114	-0.93	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0263	18.364	0.02070	18.617	0.27772	0.15014	114	-0.91	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0123	18.380	0.10000	18.617	0.27772	0.15014	114	-0.85	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0015	18.395	0.43000	18.617	0.27772	0.15014	114	-0.80	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0592	18.395	0.07000	18.617	0.27772	0.15014	114	-0.80	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0598	18.395	0.15000	18.617	0.27772	0.15014	114	-0.80	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0014	18.400	0.20000	18.617	0.27772	0.15014	114	-0.78	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0226	18.405	0.39000	18.617	0.27772	0.15014	114	-0.76	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0009	18.415	0.15000	18.617	0.27772	0.15014	114	-0.73	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2168	18.415	0.07000	18.617	0.27772	0.15014	114	-0.73	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2150	18.417	0.25800	18.617	0.27772	0.15014	114	-0.72	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 (%)	0144	18.425	0.01000	18.617	0.27772	0.15014	114	-0.69	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0520	18.435	0.15000	18.617	0.27772	0.15014	114	-0.66	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2178	18.448	0.45300	18.617	0.27772	0.15014	114	-0.61	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0956	18.450	0.50000	18.617	0.27772	0.15014	114	-0.60	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0868	18.455	0.05000	18.617	0.27772	0.15014	114	-0.58	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0139	18.485	0.03000	18.617	0.27772	0.15014	114	-0.48	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0848	18.490	0.02000	18.617	0.27772	0.15014	114	-0.46	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0948	18.490	0.10000	18.617	0.27772	0.15014	114	-0.46	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0510	18.500	0.00000	18.617	0.27772	0.15014	114	-0.42	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0626	18.500	0.02000	18.617	0.27772	0.15014	114	-0.42	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0171	18.510	0.04000	18.617	0.27772	0.15014	114	-0.39	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0297	18.520	0.02000	18.617	0.27772	0.15014	114	-0.35	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0693	18.524	0.08100	18.617	0.27772	0.15014	114	-0.34	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0857	18.535	0.21000	18.617	0.27772	0.15014	114	-0.30	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0004	18.540	0.02000	18.617	0.27772	0.15014	114	-0.28	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0027	18.540	0.12000	18.617	0.27772	0.15014	114	-0.28	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0294	18.550	0.10000	18.617	0.27772	0.15014	114	-0.24	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0726	18.550	0.10000	18.617	0.27772	0.15014	114	-0.24	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0512	18.560	0.12000	18.617	0.27772	0.15014	114	-0.21	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0675	18.565	0.01000	18.617	0.27772	0.15014	114	-0.19	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0964	18.574	0.02500	18.617	0.27772	0.15014	114	-0.16	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0610	18.575	0.05000	18.617	0.27772	0.15014	114	-0.15	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0504	18.580	0.04000	18.617	0.27772	0.15014	114	-0.13	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0242	18.595	0.15000	18.617	0.27772	0.15014	114	-0.08	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0032	18.596	0.19400	18.617	0.27772	0.15014	114	-0.08	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0205	18.600	0.04000	18.617	0.27772	0.15014	114	-0.06	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0278	18.600	0.20000	18.617	0.27772	0.15014	114	-0.06	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0345	18.600	0.20000	18.617	0.27772	0.15014	114	-0.06	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0354	18.600	0.06000	18.617	0.27772	0.15014	114	-0.06	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0034	18.609	0.18800	18.617	0.27772	0.15014	114	-0.03	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0074	18.620	0.02000	18.617	0.27772	0.15014	114	0.01	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0646	18.625	0.11000	18.617	0.27772	0.15014	114	0.03	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0571	18.636	0.13400	18.617	0.27772	0.15014	114	0.07	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0175	18.650	0.10000	18.617	0.27772	0.15014	114	0.12	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0413	18.650	0.10000	18.617	0.27772	0.15014	114	0.12	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0682	18.650	0.00000	18.617	0.27772	0.15014	114	0.12	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0425	18.655	0.11000	18.617	0.27772	0.15014	114	0.14	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0089	18.660	0.00000	18.617	0.27772	0.15014	114	0.15	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2126	18.660	0.02000	18.617	0.27772	0.15014	114	0.15	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0358	18.665	0.05000	18.617	0.27772	0.15014	114	0.17	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0142	18.670	0.00000	18.617	0.27772	0.15014	114	0.19	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 (%)	0590	18.675	0.15000	18.617	0.27772	0.15014	114	0.21	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0003	18.680	0.16000	18.617	0.27772	0.15014	114	0.23	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0687	18.680	0.06000	18.617	0.27772	0.15014	114	0.23	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0190	18.685	0.09000	18.617	0.27772	0.15014	114	0.24	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0043	18.690	0.38000	18.617	0.27772	0.15014	114	0.26	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0045	18.700	0.20000	18.617	0.27772	0.15014	114	0.30	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0108	18.705	0.17000	18.617	0.27772	0.15014	114	0.32	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0049	18.725	0.05000	18.617	0.27772	0.15014	114	0.39	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0618	18.738	0.06300	18.617	0.27772	0.15014	114	0.43	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0037	18.740	0.10000	18.617	0.27772	0.15014	114	0.44	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0035	18.750	0.02000	18.617	0.27772	0.15014	114	0.48	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2089	18.790	0.10000	18.617	0.27772	0.15014	114	0.62	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0589	18.795	0.03000	18.617	0.27772	0.15014	114	0.64	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0407	18.811	0.06000	18.617	0.27772	0.15014	114	0.70	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0357	18.813	0.00000	18.617	0.27772	0.15014	114	0.70	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0042	18.815	0.25000	18.617	0.27772	0.15014	114	0.71	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0300	18.820	0.34000	18.617	0.27772	0.15014	114	0.73	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0353	18.835	0.11000	18.617	0.27772	0.15014	114	0.79	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0968	18.840	0.20000	18.617	0.27772	0.15014	114	0.80	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0910	18.850	0.10000	18.617	0.27772	0.15014	114	0.84	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0229	18.890	0.14000	18.617	0.27772	0.15014	114	0.98	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2059	18.908	0.05310	18.617	0.27772	0.15014	114	1.05	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0508	18.915	0.20000	18.617	0.27772	0.15014	114	1.07	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0036	18.935	0.03000	18.617	0.27772	0.15014	114	1.15	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2076	18.957	0.08300	18.617	0.27772	0.15014	114	1.22	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0233	18.965	0.01000	18.617	0.27772	0.15014	114	1.25	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2006	18.972	0.23700	18.617	0.27772	0.15014	114	1.28	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0630	18.980	0.52000	18.617	0.27772	0.15014	114	1.31	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0186	19.000	0.20000	18.617	0.27772	0.15014	114	1.38	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0083	19.015	0.15000	18.617	0.27772	0.15014	114	1.43	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0683	19.040	0.12000	18.617	0.27772	0.15014	114	1.52	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0001	19.045	0.27000	18.617	0.27772	0.15014	114	1.54	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0574	19.095	0.05000	18.617	0.27772	0.15014	114	1.72	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0208	19.100	0.60000	18.617	0.27772	0.15014	114	1.74	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0062	19.130	0.10700	18.617	0.27772	0.15014	114	1.85	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0511	19.140	0.12000	18.617	0.27772	0.15014	114	1.88	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2129	19.200	0.00000	18.617	0.27772	0.15014	114	2.10	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0541	19.340	0.68000	18.617	0.27772	0.15014	114	2.60	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2081	19.495	0.49000	18.617	0.27772	0.15014	114	3.16	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0953	20.105	0.15000	18.617	0.27772	0.15014	114	5.36	4%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0612	20.888	0.60000	18.617	0.27772	0.15014	114	8.18	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	
002.06	Protein, Combustion Nitrogen Analyzer (%)	0876	21.110	0.28000	18.617	0.27772	0.15014	114	8.98	7%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0692	18.500	1.2000	18.617	0.27772	0.15014	114	-0.42	0%	1
002.06	Protein, Combustion Nitrogen Analyzer (%)	0011	19.170	1.6000	18.617	0.27772	0.15014	114	1.99	1%	1
002.08	Protein, Cu/Ti (%)	0098	18.430	0.08000				1			0
002.10	Protein, Block dig/distillation (%)	0629	18.640	0.12000				1			0
002.11	Protein, NIR (%)	0889	18.880	0.38000	20.263	1.5024	0.21714	7	-0.92	3%	0
002.11	Protein, NIR (%)	2192	19.125	0.55000	20.263	1.5024	0.21714	7	-0.76	3%	0
002.11	Protein, NIR (%)	0011	19.420	0.00000	20.263	1.5024	0.21714	7	-0.56	2%	0
002.11	Protein, NIR (%)	2105	19.875	0.01000	20.263	1.5024	0.21714	7	-0.26	1%	0
002.11	Protein, NIR (%)	0297	20.430	0.02000	20.263	1.5024	0.21714	7	0.11	0%	0
002.11	Protein, NIR (%)	2120	21.975	0.25000	20.263	1.5024	0.21714	7	1.14	4%	0
002.11	Protein, NIR (%)	2121	22.135	0.31000	20.263	1.5024	0.21714	7	1.25	5%	0
002.99	Protein, Miscellaneous (%)	0643	18.850	0.48000				1			0
003.00	Fat, Eth Ext., Direct (%)	0142	2.3100	0.16000	3.3157	0.89399	0.07396	14	-1.12	15%	0
003.00	Fat, Eth Ext., Direct (%)	0885	2.3732	0.05730	3.3157	0.89399	0.07396	14	-1.05	14%	0
003.00	Fat, Eth Ext., Direct (%)	2195	2.5300	0.00000	3.3157	0.89399	0.07396	14	-0.88	12%	0
003.00	Fat, Eth Ext., Direct (%)	2053	2.5550	0.09000	3.3157	0.89399	0.07396	14	-0.85	11%	0
003.00	Fat, Eth Ext., Direct (%)	0035	2.7800	0.08000	3.3157	0.89399	0.07396	14	-0.60	8%	0
003.00	Fat, Eth Ext., Direct (%)	0309	3.1264	0.15810	3.3157	0.89399	0.07396	14	-0.21	3%	0
003.00	Fat, Eth Ext., Direct (%)	2192	3.2300	0.04000	3.3157	0.89399	0.07396	14	-0.10	1%	0
003.00	Fat, Eth Ext., Direct (%)	0939	3.2400	0.14000	3.3157	0.89399	0.07396	14	-0.08	1%	0
003.00	Fat, Eth Ext., Direct (%)	0152	3.3000	0.00000	3.3157	0.89399	0.07396	14	-0.02	0%	0
003.00	Fat, Eth Ext., Direct (%)	0175	3.5100	0.06000	3.3157	0.89399	0.07396	14	0.22	3%	0
003.00	Fat, Eth Ext., Direct (%)	0345	4.0750	0.05000	3.3157	0.89399	0.07396	14	0.85	11%	0
003.00	Fat, Eth Ext., Direct (%)	2109	4.2450	0.13000	3.3157	0.89399	0.07396	14	1.04	14%	0
003.00	Fat, Eth Ext., Direct (%)	0653	4.5000	0.02000	3.3157	0.89399	0.07396	14	1.32	18%	0
003.00	Fat, Eth Ext., Direct (%)	2126	4.6450	0.05000	3.3157	0.89399	0.07396	14	1.49	20%	0
003.06	Fat, Pet Ether (%)	0229	2.2130	0.00000	4.0457	0.81384	0.17764	14	-2.25	23%	0
003.06	Fat, Pet Ether (%)	0689	3.2000	0.20000	4.0457	0.81384	0.17764	14	-1.04	10%	0
003.06	Fat, Pet Ether (%)	0294	3.2800	0.00000	4.0457	0.81384	0.17764	14	-0.94	9%	0
003.06	Fat, Pet Ether (%)	0849	3.3505	0.02100	4.0457	0.81384	0.17764	14	-0.85	9%	0
003.06	Fat, Pet Ether (%)	0644	3.6940	0.16600	4.0457	0.81384	0.17764	14	-0.43	4%	0
003.06	Fat, Pet Ether (%)	2181	3.8000	0.04000	4.0457	0.81384	0.17764	14	-0.30	3%	0
003.06	Fat, Pet Ether (%)	0884	4.1000	0.00000	4.0457	0.81384	0.17764	14	0.07	1%	0
003.06	Fat, Pet Ether (%)	0511	4.1200	0.68000	4.0457	0.81384	0.17764	14	0.09	1%	0
003.06	Fat, Pet Ether (%)	0297	4.3200	0.08000	4.0457	0.81384	0.17764	14	0.34	3%	0
003.06	Fat, Pet Ether (%)	0918	4.3550	0.01000	4.0457	0.81384	0.17764	14	0.38	4%	0
003.06	Fat, Pet Ether (%)	0910	4.5700	0.46000	4.0457	0.81384	0.17764	14	0.64	6%	0
003.06	Fat, Pet Ether (%)	0682	4.9800	0.00000	4.0457	0.81384	0.17764	14	1.15	12%	0
003.06	Fat, Pet Ether (%)	0032	5.0000	0.20000	4.0457	0.81384	0.17764	14	1.17	12%	0
003.06	Fat, Pet Ether (%)	0083	5.0450	0.63000	4.0457	0.81384	0.17764	14	1.23	12%	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	
003.09	Fat, Soxtec, Eth Ext (%)	0263	2.2415	0.03700	3.5736	0.94776	0.12458	18	-1.41	19%	0
003.09	Fat, Soxtec, Eth Ext (%)	0027	2.3195	0.14900	3.5736	0.94776	0.12458	18	-1.32	18%	0
003.09	Fat, Soxtec, Eth Ext (%)	0638	2.6500	0.00000	3.5736	0.94776	0.12458	18	-0.97	13%	0
003.09	Fat, Soxtec, Eth Ext (%)	0512	2.7355	0.39700	3.5736	0.94776	0.12458	18	-0.88	12%	0
003.09	Fat, Soxtec, Eth Ext (%)	0004	2.8700	0.28000	3.5736	0.94776	0.12458	18	-0.74	10%	0
003.09	Fat, Soxtec, Eth Ext (%)	0675	3.0500	0.02000	3.5736	0.94776	0.12458	18	-0.55	7%	0
003.09	Fat, Soxtec, Eth Ext (%)	0505	3.3300	0.10000	3.5736	0.94776	0.12458	18	-0.26	3%	0
003.09	Fat, Soxtec, Eth Ext (%)	0226	3.4200	0.10000	3.5736	0.94776	0.12458	18	-0.16	2%	0
003.09	Fat, Soxtec, Eth Ext (%)	0098	3.4300	0.04000	3.5736	0.94776	0.12458	18	-0.15	2%	0
003.09	Fat, Soxtec, Eth Ext (%)	0723	3.4300	0.00000	3.5736	0.94776	0.12458	18	-0.15	2%	0
003.09	Fat, Soxtec, Eth Ext (%)	0508	3.5584	0.23940	3.5736	0.94776	0.12458	18	-0.02	0%	0
003.09	Fat, Soxtec, Eth Ext (%)	0353	4.0950	0.47000	3.5736	0.94776	0.12458	18	0.55	7%	0
003.09	Fat, Soxtec, Eth Ext (%)	0354	4.2050	0.03000	3.5736	0.94776	0.12458	18	0.67	9%	0
003.09	Fat, Soxtec, Eth Ext (%)	0948	4.3350	0.05000	3.5736	0.94776	0.12458	18	0.80	11%	0
003.09	Fat, Soxtec, Eth Ext (%)	0685	4.4550	0.05000	3.5736	0.94776	0.12458	18	0.93	12%	0
003.09	Fat, Soxtec, Eth Ext (%)	0590	4.6650	0.17000	3.5736	0.94776	0.12458	18	1.15	15%	0
003.09	Fat, Soxtec, Eth Ext (%)	0510	4.7000	0.00000	3.5736	0.94776	0.12458	18	1.19	16%	0
003.09	Fat, Soxtec, Eth Ext (%)	0630	4.8350	0.11000	3.5736	0.94776	0.12458	18	1.33	18%	0
003.10	Fat, Soxtec, Pet Ether (%)	2022	2.1700	0.00000	3.0391	0.68169	0.11480	26	-1.27	14%	0
003.10	Fat, Soxtec, Pet Ether (%)	2155	2.1980	0.41200	3.0391	0.68169	0.11480	26	-1.23	14%	0
003.10	Fat, Soxtec, Pet Ether (%)	0952	2.3300	0.02000	3.0391	0.68169	0.11480	26	-1.04	12%	0
003.10	Fat, Soxtec, Pet Ether (%)	0045	2.4100	0.18000	3.0391	0.68169	0.11480	26	-0.92	10%	0
003.10	Fat, Soxtec, Pet Ether (%)	0897	2.5450	0.01000	3.0391	0.68169	0.11480	26	-0.72	8%	0
003.10	Fat, Soxtec, Pet Ether (%)	0629	2.5700	0.10000	3.0391	0.68169	0.11480	26	-0.69	8%	0
003.10	Fat, Soxtec, Pet Ether (%)	0870	2.6375	0.05010	3.0391	0.68169	0.11480	26	-0.59	7%	0
003.10	Fat, Soxtec, Pet Ether (%)	0242	2.6500	0.18000	3.0391	0.68169	0.11480	26	-0.57	6%	0
003.10	Fat, Soxtec, Pet Ether (%)	2009	2.6510	0.03280	3.0391	0.68169	0.11480	26	-0.57	6%	0
003.10	Fat, Soxtec, Pet Ether (%)	0233	2.7200	0.08000	3.0391	0.68169	0.11480	26	-0.47	5%	0
003.10	Fat, Soxtec, Pet Ether (%)	0062	2.7880	0.16200	3.0391	0.68169	0.11480	26	-0.37	4%	0
003.10	Fat, Soxtec, Pet Ether (%)	0881	2.8295	0.11300	3.0391	0.68169	0.11480	26	-0.31	3%	0
003.10	Fat, Soxtec, Pet Ether (%)	0868	2.8300	0.02000	3.0391	0.68169	0.11480	26	-0.31	3%	0
003.10	Fat, Soxtec, Pet Ether (%)	0100	2.9100	0.32000	3.0391	0.68169	0.11480	26	-0.19	2%	0
003.10	Fat, Soxtec, Pet Ether (%)	0098	3.0350	0.03000	3.0391	0.68169	0.11480	26	-0.01	0%	0
003.10	Fat, Soxtec, Pet Ether (%)	0036	3.0786	0.38290	3.0391	0.68169	0.11480	26	0.06	1%	0
003.10	Fat, Soxtec, Pet Ether (%)	0889	3.1200	0.00000	3.0391	0.68169	0.11480	26	0.12	1%	0
003.10	Fat, Soxtec, Pet Ether (%)	2188	3.2200	0.02000	3.0391	0.68169	0.11480	26	0.27	3%	0
003.10	Fat, Soxtec, Pet Ether (%)	2073	3.2350	0.31000	3.0391	0.68169	0.11480	26	0.29	3%	0
003.10	Fat, Soxtec, Pet Ether (%)	0689	3.2500	0.10000	3.0391	0.68169	0.11480	26	0.31	3%	0
003.10	Fat, Soxtec, Pet Ether (%)	0693	3.6770	0.14800	3.0391	0.68169	0.11480	26	0.94	10%	0
003.10	Fat, Soxtec, Pet Ether (%)	0609	3.9450	0.07000	3.0391	0.68169	0.11480	26	1.33	15%	0
003.10	Fat, Soxtec, Pet Ether (%)	0618	4.0330	0.01400	3.0391	0.68169	0.11480	26	1.46	16%	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	
003.10	Fat, Soxtec, Pet Ether (%)	0676	4.2100	0.00000	3.0391	0.68169	0.11480	26	1.72	19%	0
003.10	Fat, Soxtec, Pet Ether (%)	0541	4.5600	0.18000	3.0391	0.68169	0.11480	26	2.23	25%	0
003.10	Fat, Soxtec, Pet Ether (%)	2089	4.6250	0.05000	3.0391	0.68169	0.11480	26	2.33	26%	0
003.11	Fat, NIR (%)	2120	2.9300	0.66000	3.9770	0.92183	0.32200	5			0
003.11	Fat, NIR (%)	2121	3.3900	0.80000	3.9770	0.92183	0.32200	5			0
003.11	Fat, NIR (%)	0011	3.8500	0.00000	3.9770	0.92183	0.32200	5			0
003.11	Fat, NIR (%)	0889	4.4150	0.07000	3.9770	0.92183	0.32200	5			0
003.11	Fat, NIR (%)	2105	5.3000	0.08000	3.9770	0.92183	0.32200	5			0
003.12	Fat, Hexane Ext (%)	0171	2.6450	0.07000				3			0
003.12	Fat, Hexane Ext (%)	0028	3.5100	0.08000				3			0
003.12	Fat, Hexane Ext (%)	0895	4.4600	0.00000				3			0
003.13	Fat, Soxtec, Hexane Ext. (%)	0123	2.8350	0.05000	3.2270	0.23683	0.17714	7	-1.66	6%	0
003.13	Fat, Soxtec, Hexane Ext. (%)	2196	3.1000	0.00000	3.2270	0.23683	0.17714	7	-0.54	2%	0
003.13	Fat, Soxtec, Hexane Ext. (%)	0646	3.2050	0.15000	3.2270	0.23683	0.17714	7	-0.09	0%	0
003.13	Fat, Soxtec, Hexane Ext. (%)	0187	3.2550	0.11000	3.2270	0.23683	0.17714	7	0.12	0%	0
003.13	Fat, Soxtec, Hexane Ext. (%)	0098	3.2700	0.38000	3.2270	0.23683	0.17714	7	0.18	1%	0
003.13	Fat, Soxtec, Hexane Ext. (%)	0205	3.3050	0.25000	3.2270	0.23683	0.17714	7	0.33	1%	0
003.13	Fat, Soxtec, Hexane Ext. (%)	2006	4.3300	0.30000	3.2270	0.23683	0.17714	7	4.66	17%	0
003.13	Fat, Soxtec, Hexane Ext. (%)	0208	3.7000	1.5800	3.2270	0.23683	0.17714	7	2.00	7%	1
003.14	Fat, Ankom (%)	0229	2.2030	0.03000	3.0106	0.48037	0.17916	40	-1.68	13%	0
003.14	Fat, Ankom (%)	0358	2.3850	0.19000	3.0106	0.48037	0.17916	40	-1.30	10%	0
003.14	Fat, Ankom (%)	0019	2.4150	0.01000	3.0106	0.48037	0.17916	40	-1.24	10%	0
003.14	Fat, Ankom (%)	0848	2.4950	0.17000	3.0106	0.48037	0.17916	40	-1.07	9%	0
003.14	Fat, Ankom (%)	0089	2.5000	0.00000	3.0106	0.48037	0.17916	40	-1.06	8%	0
003.14	Fat, Ankom (%)	0144	2.5000	0.28000	3.0106	0.48037	0.17916	40	-1.06	8%	0
003.14	Fat, Ankom (%)	0004	2.5500	0.14000	3.0106	0.48037	0.17916	40	-0.96	8%	0
003.14	Fat, Ankom (%)	0175	2.5500	0.02000	3.0106	0.48037	0.17916	40	-0.96	8%	0
003.14	Fat, Ankom (%)	0357	2.6000	0.20000	3.0106	0.48037	0.17916	40	-0.85	7%	0
003.14	Fat, Ankom (%)	0108	2.6500	0.42000	3.0106	0.48037	0.17916	40	-0.75	6%	0
003.14	Fat, Ankom (%)	0001	2.6710	0.06800	3.0106	0.48037	0.17916	40	-0.71	6%	0
003.14	Fat, Ankom (%)	0034	2.7100	0.02000	3.0106	0.48037	0.17916	40	-0.63	5%	0
003.14	Fat, Ankom (%)	0037	2.7450	0.51000	3.0106	0.48037	0.17916	40	-0.55	4%	0
003.14	Fat, Ankom (%)	0202	2.7450	0.05000	3.0106	0.48037	0.17916	40	-0.55	4%	0
003.14	Fat, Ankom (%)	0049	2.7500	0.84000	3.0106	0.48037	0.17916	40	-0.54	4%	0
003.14	Fat, Ankom (%)	0009	2.7550	0.01000	3.0106	0.48037	0.17916	40	-0.53	4%	0
003.14	Fat, Ankom (%)	0692	2.8500	0.10000	3.0106	0.48037	0.17916	40	-0.33	3%	0
003.14	Fat, Ankom (%)	2129	2.8900	0.24000	3.0106	0.48037	0.17916	40	-0.25	2%	0
003.14	Fat, Ankom (%)	0968	2.9270	0.00400	3.0106	0.48037	0.17916	40	-0.17	1%	0
003.14	Fat, Ankom (%)	0876	3.0000	0.18000	3.0106	0.48037	0.17916	40	-0.02	0%	0
003.14	Fat, Ankom (%)	0948	3.0400	0.10000	3.0106	0.48037	0.17916	40	0.06	0%	0
003.14	Fat, Ankom (%)	0520	3.0650	0.67000	3.0106	0.48037	0.17916	40	0.11	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	
003.14	Fat, Ankom (%)	0015	3.1150	0.17000	3.0106	0.48037	0.17916	40	0.22	2%	0
003.14	Fat, Ankom (%)	0186	3.1300	0.04000	3.0106	0.48037	0.17916	40	0.25	2%	0
003.14	Fat, Ankom (%)	0407	3.1389	0.08400	3.0106	0.48037	0.17916	40	0.27	2%	0
003.14	Fat, Ankom (%)	2146	3.1550	0.09000	3.0106	0.48037	0.17916	40	0.30	2%	0
003.14	Fat, Ankom (%)	0682	3.1600	0.00000	3.0106	0.48037	0.17916	40	0.31	2%	0
003.14	Fat, Ankom (%)	0878	3.1600	0.10000	3.0106	0.48037	0.17916	40	0.31	2%	0
003.14	Fat, Ankom (%)	0074	3.3450	0.03000	3.0106	0.48037	0.17916	40	0.70	6%	0
003.14	Fat, Ankom (%)	0598	3.3950	0.33000	3.0106	0.48037	0.17916	40	0.80	6%	0
003.14	Fat, Ankom (%)	0955	3.4200	0.14000	3.0106	0.48037	0.17916	40	0.85	7%	0
003.14	Fat, Ankom (%)	0683	3.4250	0.05000	3.0106	0.48037	0.17916	40	0.86	7%	0
003.14	Fat, Ankom (%)	2076	3.4694	0.54020	3.0106	0.48037	0.17916	40	0.96	8%	0
003.14	Fat, Ankom (%)	0581	3.4700	0.08000	3.0106	0.48037	0.17916	40	0.96	8%	0
003.14	Fat, Ankom (%)	0278	3.5500	0.10000	3.0106	0.48037	0.17916	40	1.12	9%	0
003.14	Fat, Ankom (%)	0956	3.5500	0.50000	3.0106	0.48037	0.17916	40	1.12	9%	0
003.14	Fat, Ankom (%)	0190	3.6950	0.05000	3.0106	0.48037	0.17916	40	1.42	11%	0
003.14	Fat, Ankom (%)	0413	3.7000	0.40000	3.0106	0.48037	0.17916	40	1.44	11%	0
003.14	Fat, Ankom (%)	0574	3.8850	0.03000	3.0106	0.48037	0.17916	40	1.82	15%	0
003.14	Fat, Ankom (%)	0726	3.8900	0.18000	3.0106	0.48037	0.17916	40	1.83	15%	0
003.14	Fat, Ankom (%)	0003	3.3950	1.3900	3.0106	0.48037	0.17916	40	0.80	6%	1
003.99	Fat, Miscellaneous (%)	2193	2.7900	0.28000	3.5208	0.51210	0.21833	6	-1.43	10%	0
003.99	Fat, Miscellaneous (%)	0941	3.2750	0.13000	3.5208	0.51210	0.21833	6	-0.48	3%	0
003.99	Fat, Miscellaneous (%)	0536	3.4850	0.03000	3.5208	0.51210	0.21833	6	-0.07	1%	0
003.99	Fat, Miscellaneous (%)	0047	3.6600	0.14000	3.5208	0.51210	0.21833	6	0.27	2%	0
003.99	Fat, Miscellaneous (%)	0160	3.8500	0.52000	3.5208	0.51210	0.21833	6	0.64	5%	0
003.99	Fat, Miscellaneous (%)	0504	4.0650	0.21000	3.5208	0.51210	0.21833	6	1.06	8%	0
004.00	Fiber, Crude, Asbestos Free (%)	0425	9.8500	0.10000	10.943	0.56911	0.19992	14	-1.92	5%	0
004.00	Fiber, Crude, Asbestos Free (%)	0171	10.110	0.16000	10.943	0.56911	0.19992	14	-1.46	4%	0
004.00	Fiber, Crude, Asbestos Free (%)	0345	10.500	0.20000	10.943	0.56911	0.19992	14	-0.78	2%	0
004.00	Fiber, Crude, Asbestos Free (%)	2073	10.515	0.07000	10.943	0.56911	0.19992	14	-0.75	2%	0
004.00	Fiber, Crude, Asbestos Free (%)	0884	10.850	0.30000	10.943	0.56911	0.19992	14	-0.16	0%	0
004.00	Fiber, Crude, Asbestos Free (%)	0511	10.900	0.60000	10.943	0.56911	0.19992	14	-0.08	0%	0
004.00	Fiber, Crude, Asbestos Free (%)	0169	10.935	0.17000	10.943	0.56911	0.19992	14	-0.01	0%	0
004.00	Fiber, Crude, Asbestos Free (%)	0175	11.075	0.15000	10.943	0.56911	0.19992	14	0.23	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	0354	11.135	0.01000	10.943	0.56911	0.19992	14	0.34	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	0226	11.160	0.46000	10.943	0.56911	0.19992	14	0.38	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	2076	11.180	0.03390	10.943	0.56911	0.19992	14	0.42	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	0309	11.458	0.14500	10.943	0.56911	0.19992	14	0.90	2%	0
004.00	Fiber, Crude, Asbestos Free (%)	0208	11.500	0.20000	10.943	0.56911	0.19992	14	0.98	3%	0
004.00	Fiber, Crude, Asbestos Free (%)	0504	12.190	0.20000	10.943	0.56911	0.19992	14	2.19	6%	0
004.03	Fiber, Fritted Glass (%)	2089	8.4550	0.11000	11.111	2.0492	0.17467	6	-1.30	12%	0
004.03	Fiber, Fritted Glass (%)	0921	9.6600	0.00000	11.111	2.0492	0.17467	6	-0.71	7%	0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
004.03	Fiber, Fritted Glass (%)	0353	11.085	0.07000	11.111	2.0492	0.17467	6	-0.01	0%	0
004.03	Fiber, Fritted Glass (%)	2192	11.560	0.32000	11.111	2.0492	0.17467	6	0.22	2%	0
004.03	Fiber, Fritted Glass (%)	0045	12.650	0.30000	11.111	2.0492	0.17467	6	0.75	7%	0
004.03	Fiber, Fritted Glass (%)	0693	13.255	0.24800	11.111	2.0492	0.17467	6	1.05	10%	0
004.06	Fiber, Fibertec (%)	2146	10.135	0.39000	11.139	0.62351	0.11625	24	-1.61	5%	0
004.06	Fiber, Fibertec (%)	0918	10.270	0.12000	11.139	0.62351	0.11625	24	-1.39	4%	0
004.06	Fiber, Fibertec (%)	0675	10.355	0.03000	11.139	0.62351	0.11625	24	-1.26	4%	0
004.06	Fiber, Fibertec (%)	0895	10.415	0.01000	11.139	0.62351	0.11625	24	-1.16	3%	0
004.06	Fiber, Fibertec (%)	2145	10.565	0.11000	11.139	0.62351	0.11625	24	-0.92	3%	0
004.06	Fiber, Fibertec (%)	0723	10.590	0.00000	11.139	0.62351	0.11625	24	-0.88	2%	0
004.06	Fiber, Fibertec (%)	0897	10.805	0.01000	11.139	0.62351	0.11625	24	-0.54	1%	0
004.06	Fiber, Fibertec (%)	2022	10.895	0.03000	11.139	0.62351	0.11625	24	-0.39	1%	0
004.06	Fiber, Fibertec (%)	0590	10.970	0.38000	11.139	0.62351	0.11625	24	-0.27	1%	0
004.06	Fiber, Fibertec (%)	0885	10.979	0.09600	11.139	0.62351	0.11625	24	-0.26	1%	0
004.06	Fiber, Fibertec (%)	0205	11.050	0.10000	11.139	0.62351	0.11625	24	-0.14	0%	0
004.06	Fiber, Fibertec (%)	2006	11.140	0.14000	11.139	0.62351	0.11625	24	0.00	0%	0
004.06	Fiber, Fibertec (%)	2152	11.190	0.02000	11.139	0.62351	0.11625	24	0.08	0%	0
004.06	Fiber, Fibertec (%)	0941	11.240	0.12000	11.139	0.62351	0.11625	24	0.16	0%	0
004.06	Fiber, Fibertec (%)	0689	11.400	0.00000	11.139	0.62351	0.11625	24	0.42	1%	0
004.06	Fiber, Fibertec (%)	0868	11.415	0.01000	11.139	0.62351	0.11625	24	0.44	1%	0
004.06	Fiber, Fibertec (%)	0881	11.525	0.58000	11.139	0.62351	0.11625	24	0.62	2%	0
004.06	Fiber, Fibertec (%)	0638	11.550	0.10000	11.139	0.62351	0.11625	24	0.66	2%	0
004.06	Fiber, Fibertec (%)	0878	11.555	0.17000	11.139	0.62351	0.11625	24	0.67	2%	0
004.06	Fiber, Fibertec (%)	0948	11.570	0.06000	11.139	0.62351	0.11625	24	0.69	2%	0
004.06	Fiber, Fibertec (%)	0512	11.685	0.13000	11.139	0.62351	0.11625	24	0.88	2%	0
004.06	Fiber, Fibertec (%)	0952	11.855	0.01000	11.139	0.62351	0.11625	24	1.15	3%	0
004.06	Fiber, Fibertec (%)	0968	12.034	0.05400	11.139	0.62351	0.11625	24	1.44	4%	0
004.06	Fiber, Fibertec (%)	0609	12.900	0.12000	11.139	0.62351	0.11625	24	2.82	8%	0
004.06	Fiber, Fibertec (%)	0098	11.140	1.1600	11.139	0.62351	0.11625	24	0.00	0%	1
004.07	Fiber, ANKOM (%)	0682	9.8000	0.00000	11.290	0.97130	0.26433	55	-1.53	7%	0
004.07	Fiber, ANKOM (%)	0910	9.8500	0.30000	11.290	0.97130	0.26433	55	-1.48	6%	0
004.07	Fiber, ANKOM (%)	2181	9.8850	0.13000	11.290	0.97130	0.26433	55	-1.45	6%	0
004.07	Fiber, ANKOM (%)	0581	10.100	0.60000	11.290	0.97130	0.26433	55	-1.22	5%	0
004.07	Fiber, ANKOM (%)	0505	10.105	0.07000	11.290	0.97130	0.26433	55	-1.22	5%	0
004.07	Fiber, ANKOM (%)	0123	10.150	0.10000	11.290	0.97130	0.26433	55	-1.17	5%	0
004.07	Fiber, ANKOM (%)	0683	10.180	0.04000	11.290	0.97130	0.26433	55	-1.14	5%	0
004.07	Fiber, ANKOM (%)	0692	10.300	0.20000	11.290	0.97130	0.26433	55	-1.02	4%	0
004.07	Fiber, ANKOM (%)	0035	10.345	0.67000	11.290	0.97130	0.26433	55	-0.97	4%	0
004.07	Fiber, ANKOM (%)	0100	10.365	0.91000	11.290	0.97130	0.26433	55	-0.95	4%	0
004.07	Fiber, ANKOM (%)	0202	10.520	0.16000	11.290	0.97130	0.26433	55	-0.79	3%	0
004.07	Fiber, ANKOM (%)	0646	10.620	0.02000	11.290	0.97130	0.26433	55	-0.69	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	
004.07	Fiber, ANKOM (%)	0003	10.660	0.90000	11.290	0.97130	0.26433	55	-0.65	3%	0
004.07	Fiber, ANKOM (%)	0726	10.750	0.10000	11.290	0.97130	0.26433	55	-0.56	2%	0
004.07	Fiber, ANKOM (%)	0956	10.750	0.50000	11.290	0.97130	0.26433	55	-0.56	2%	0
004.07	Fiber, ANKOM (%)	0644	10.791	0.13300	11.290	0.97130	0.26433	55	-0.51	2%	0
004.07	Fiber, ANKOM (%)	0028	10.800	0.40000	11.290	0.97130	0.26433	55	-0.50	2%	0
004.07	Fiber, ANKOM (%)	0190	10.800	0.00000	11.290	0.97130	0.26433	55	-0.50	2%	0
004.07	Fiber, ANKOM (%)	0098	10.825	0.31000	11.290	0.97130	0.26433	55	-0.48	2%	0
004.07	Fiber, ANKOM (%)	0708	10.850	0.52000	11.290	0.97130	0.26433	55	-0.45	2%	0
004.07	Fiber, ANKOM (%)	0870	10.891	0.27770	11.290	0.97130	0.26433	55	-0.41	2%	0
004.07	Fiber, ANKOM (%)	2053	10.930	0.02000	11.290	0.97130	0.26433	55	-0.37	2%	0
004.07	Fiber, ANKOM (%)	0032	10.950	0.16000	11.290	0.97130	0.26433	55	-0.35	2%	0
004.07	Fiber, ANKOM (%)	0848	10.950	0.00000	11.290	0.97130	0.26433	55	-0.35	2%	0
004.07	Fiber, ANKOM (%)	0939	11.005	0.21000	11.290	0.97130	0.26433	55	-0.29	1%	0
004.07	Fiber, ANKOM (%)	0354	11.115	0.03000	11.290	0.97130	0.26433	55	-0.18	1%	0
004.07	Fiber, ANKOM (%)	2188	11.125	0.15000	11.290	0.97130	0.26433	55	-0.17	1%	0
004.07	Fiber, ANKOM (%)	0278	11.150	0.50000	11.290	0.97130	0.26433	55	-0.14	1%	0
004.07	Fiber, ANKOM (%)	0263	11.187	0.10000	11.290	0.97130	0.26433	55	-0.11	0%	0
004.07	Fiber, ANKOM (%)	0229	11.245	0.03000	11.290	0.97130	0.26433	55	-0.05	0%	0
004.07	Fiber, ANKOM (%)	0413	11.350	0.70000	11.290	0.97130	0.26433	55	0.06	0%	0
004.07	Fiber, ANKOM (%)	0510	11.350	0.10000	11.290	0.97130	0.26433	55	0.06	0%	0
004.07	Fiber, ANKOM (%)	2109	11.400	0.18000	11.290	0.97130	0.26433	55	0.11	0%	0
004.07	Fiber, ANKOM (%)	0074	11.420	0.06000	11.290	0.97130	0.26433	55	0.13	1%	0
004.07	Fiber, ANKOM (%)	0643	11.445	0.51000	11.290	0.97130	0.26433	55	0.16	1%	0
004.07	Fiber, ANKOM (%)	0242	11.510	0.34000	11.290	0.97130	0.26433	55	0.23	1%	0
004.07	Fiber, ANKOM (%)	0294	11.550	0.10000	11.290	0.97130	0.26433	55	0.27	1%	0
004.07	Fiber, ANKOM (%)	0876	11.645	0.51000	11.290	0.97130	0.26433	55	0.37	2%	0
004.07	Fiber, ANKOM (%)	0849	11.698	0.18500	11.290	0.97130	0.26433	55	0.42	2%	0
004.07	Fiber, ANKOM (%)	0948	11.995	0.09000	11.290	0.97130	0.26433	55	0.73	3%	0
004.07	Fiber, ANKOM (%)	2009	12.026	0.22950	11.290	0.97130	0.26433	55	0.76	3%	0
004.07	Fiber, ANKOM (%)	0089	12.090	0.08000	11.290	0.97130	0.26433	55	0.82	4%	0
004.07	Fiber, ANKOM (%)	0009	12.120	0.04000	11.290	0.97130	0.26433	55	0.86	4%	0
004.07	Fiber, ANKOM (%)	0955	12.300	0.00000	11.290	0.97130	0.26433	55	1.04	4%	0
004.07	Fiber, ANKOM (%)	0653	12.320	0.08000	11.290	0.97130	0.26433	55	1.06	5%	0
004.07	Fiber, ANKOM (%)	0968	12.346	0.48900	11.290	0.97130	0.26433	55	1.09	5%	0
004.07	Fiber, ANKOM (%)	2146	12.355	0.75000	11.290	0.97130	0.26433	55	1.10	5%	0
004.07	Fiber, ANKOM (%)	0019	12.395	0.03000	11.290	0.97130	0.26433	55	1.14	5%	0
004.07	Fiber, ANKOM (%)	0144	12.430	0.42000	11.290	0.97130	0.26433	55	1.17	5%	0
004.07	Fiber, ANKOM (%)	2196	12.580	0.00000	11.290	0.97130	0.26433	55	1.33	6%	0
004.07	Fiber, ANKOM (%)	0034	12.605	1.0300	11.290	0.97130	0.26433	55	1.35	6%	0
004.07	Fiber, ANKOM (%)	0407	12.728	0.38370	11.290	0.97130	0.26433	55	1.48	6%	0
004.07	Fiber, ANKOM (%)	0520	13.250	0.10000	11.290	0.97130	0.26433	55	2.02	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	
004.07	Fiber, ANKOM (%)	0598	13.605	0.39000	11.290	0.97130	0.26433	55	2.38	10%	0
004.07	Fiber, ANKOM (%)	0536	14.840	0.20000	11.290	0.97130	0.26433	55	3.66	16%	0
004.07	Fiber, ANKOM (%)	0160	9.2900	2.8200	11.290	0.97130	0.26433	55	-2.06	9%	1
004.07	Fiber, ANKOM (%)	2195	17.500	2.2000	11.290	0.97130	0.26433	55	6.39	28%	1
004.11	Fiber, NIR (%)	2121	8.6950	0.01000				3			0
004.11	Fiber, NIR (%)	2120	9.0850	0.01000				3			0
004.11	Fiber, NIR (%)	0011	10.250	0.00000				3			0
004.11	Fiber, NIR (%)	0889	10.865	0.33000				3			1
004.99	Fiber, Miscellaneous (%)	0629	10.750	0.00000				1			0
005.00	Ash, 2h @ 600°C (%)	0609	10.815	0.07000	11.834	0.37383	0.10643	79	-2.73	4%	0
005.00	Ash, 2h @ 600°C (%)	0169	10.980	0.04000	11.834	0.37383	0.10643	79	-2.28	4%	0
005.00	Ash, 2h @ 600°C (%)	2181	11.045	0.03000	11.834	0.37383	0.10643	79	-2.11	3%	0
005.00	Ash, 2h @ 600°C (%)	0539	11.070	0.08000	11.834	0.37383	0.10643	79	-2.04	3%	0
005.00	Ash, 2h @ 600°C (%)	0049	11.185	0.23000	11.834	0.37383	0.10643	79	-1.74	3%	0
005.00	Ash, 2h @ 600°C (%)	0278	11.205	0.03000	11.834	0.37383	0.10643	79	-1.68	3%	0
005.00	Ash, 2h @ 600°C (%)	0015	11.275	0.03000	11.834	0.37383	0.10643	79	-1.50	2%	0
005.00	Ash, 2h @ 600°C (%)	0541	11.275	0.01000	11.834	0.37383	0.10643	79	-1.50	2%	0
005.00	Ash, 2h @ 600°C (%)	0175	11.300	0.16000	11.834	0.37383	0.10643	79	-1.43	2%	0
005.00	Ash, 2h @ 600°C (%)	0511	11.300	0.00000	11.834	0.37383	0.10643	79	-1.43	2%	0
005.00	Ash, 2h @ 600°C (%)	2022	11.370	0.08000	11.834	0.37383	0.10643	79	-1.24	2%	0
005.00	Ash, 2h @ 600°C (%)	0027	11.380	0.00500	11.834	0.37383	0.10643	79	-1.22	2%	0
005.00	Ash, 2h @ 600°C (%)	0956	11.400	0.00000	11.834	0.37383	0.10643	79	-1.16	2%	0
005.00	Ash, 2h @ 600°C (%)	0520	11.405	0.05000	11.834	0.37383	0.10643	79	-1.15	2%	0
005.00	Ash, 2h @ 600°C (%)	0205	11.420	0.02000	11.834	0.37383	0.10643	79	-1.11	2%	0
005.00	Ash, 2h @ 600°C (%)	0598	11.430	0.12000	11.834	0.37383	0.10643	79	-1.08	2%	0
005.00	Ash, 2h @ 600°C (%)	0881	11.446	0.06700	11.834	0.37383	0.10643	79	-1.04	2%	0
005.00	Ash, 2h @ 600°C (%)	0357	11.450	0.30000	11.834	0.37383	0.10643	79	-1.03	2%	0
005.00	Ash, 2h @ 600°C (%)	0004	11.510	0.04000	11.834	0.37383	0.10643	79	-0.87	1%	0
005.00	Ash, 2h @ 600°C (%)	0160	11.550	0.30000	11.834	0.37383	0.10643	79	-0.76	1%	0
005.00	Ash, 2h @ 600°C (%)	0723	11.594	0.00000	11.834	0.37383	0.10643	79	-0.64	1%	0
005.00	Ash, 2h @ 600°C (%)	2073	11.600	0.14000	11.834	0.37383	0.10643	79	-0.63	1%	0
005.00	Ash, 2h @ 600°C (%)	0512	11.630	0.32000	11.834	0.37383	0.10643	79	-0.55	1%	0
005.00	Ash, 2h @ 600°C (%)	0693	11.677	0.55400	11.834	0.37383	0.10643	79	-0.42	1%	0
005.00	Ash, 2h @ 600°C (%)	0358	11.690	0.12000	11.834	0.37383	0.10643	79	-0.39	1%	0
005.00	Ash, 2h @ 600°C (%)	0186	11.750	0.10000	11.834	0.37383	0.10643	79	-0.22	0%	0
005.00	Ash, 2h @ 600°C (%)	0876	11.760	0.02000	11.834	0.37383	0.10643	79	-0.20	0%	0
005.00	Ash, 2h @ 600°C (%)	0653	11.790	0.02000	11.834	0.37383	0.10643	79	-0.12	0%	0
005.00	Ash, 2h @ 600°C (%)	0510	11.805	0.01000	11.834	0.37383	0.10643	79	-0.08	0%	0
005.00	Ash, 2h @ 600°C (%)	0589	11.815	0.25000	11.834	0.37383	0.10643	79	-0.05	0%	0
005.00	Ash, 2h @ 600°C (%)	0953	11.830	0.00000	11.834	0.37383	0.10643	79	-0.01	0%	0
005.00	Ash, 2h @ 600°C (%)	0144	11.840	0.18000	11.834	0.37383	0.10643	79	0.02	0%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
005.00	Ash, 2h @ 600°C (%)	0870	11.854	0.27610	11.834	0.37383	0.10643	79	0.05	0%	0
005.00	Ash, 2h @ 600°C (%)	0874	11.865	0.09000	11.834	0.37383	0.10643	79	0.08	0%	0
005.00	Ash, 2h @ 600°C (%)	0108	11.870	0.22000	11.834	0.37383	0.10643	79	0.10	0%	0
005.00	Ash, 2h @ 600°C (%)	2195	11.890	0.12000	11.834	0.37383	0.10643	79	0.15	0%	0
005.00	Ash, 2h @ 600°C (%)	2193	11.895	0.03000	11.834	0.37383	0.10643	79	0.16	0%	0
005.00	Ash, 2h @ 600°C (%)	0142	11.920	0.00000	11.834	0.37383	0.10643	79	0.23	0%	0
005.00	Ash, 2h @ 600°C (%)	0229	11.920	0.26000	11.834	0.37383	0.10643	79	0.23	0%	0
005.00	Ash, 2h @ 600°C (%)	2150	11.920	0.16000	11.834	0.37383	0.10643	79	0.23	0%	0
005.00	Ash, 2h @ 600°C (%)	0001	11.923	0.11660	11.834	0.37383	0.10643	79	0.24	0%	0
005.00	Ash, 2h @ 600°C (%)	0918	11.925	0.17000	11.834	0.37383	0.10643	79	0.24	0%	0
005.00	Ash, 2h @ 600°C (%)	0643	11.930	0.04000	11.834	0.37383	0.10643	79	0.26	0%	0
005.00	Ash, 2h @ 600°C (%)	2053	11.930	0.16000	11.834	0.37383	0.10643	79	0.26	0%	0
005.00	Ash, 2h @ 600°C (%)	0646	11.935	0.31000	11.834	0.37383	0.10643	79	0.27	0%	0
005.00	Ash, 2h @ 600°C (%)	2006	11.935	0.03000	11.834	0.37383	0.10643	79	0.27	0%	0
005.00	Ash, 2h @ 600°C (%)	0682	11.940	0.00000	11.834	0.37383	0.10643	79	0.28	0%	0
005.00	Ash, 2h @ 600°C (%)	0948	11.940	0.02000	11.834	0.37383	0.10643	79	0.28	0%	0
005.00	Ash, 2h @ 600°C (%)	2188	11.955	0.03000	11.834	0.37383	0.10643	79	0.32	1%	0
005.00	Ash, 2h @ 600°C (%)	0618	11.957	0.14800	11.834	0.37383	0.10643	79	0.33	1%	0
005.00	Ash, 2h @ 600°C (%)	0035	11.995	0.01000	11.834	0.37383	0.10643	79	0.43	1%	0
005.00	Ash, 2h @ 600°C (%)	0226	12.000	0.46000	11.834	0.37383	0.10643	79	0.44	1%	0
005.00	Ash, 2h @ 600°C (%)	2076	12.013	0.15150	11.834	0.37383	0.10643	79	0.48	1%	0
005.00	Ash, 2h @ 600°C (%)	0968	12.019	0.00700	11.834	0.37383	0.10643	79	0.49	1%	0
005.00	Ash, 2h @ 600°C (%)	0187	12.030	0.00000	11.834	0.37383	0.10643	79	0.52	1%	0
005.00	Ash, 2h @ 600°C (%)	0297	12.035	0.13000	11.834	0.37383	0.10643	79	0.54	1%	0
005.00	Ash, 2h @ 600°C (%)	2196	12.050	0.00000	11.834	0.37383	0.10643	79	0.58	1%	0
005.00	Ash, 2h @ 600°C (%)	0848	12.065	0.03000	11.834	0.37383	0.10643	79	0.62	1%	0
005.00	Ash, 2h @ 600°C (%)	0354	12.075	0.03000	11.834	0.37383	0.10643	79	0.64	1%	0
005.00	Ash, 2h @ 600°C (%)	0407	12.077	0.24900	11.834	0.37383	0.10643	79	0.65	1%	0
005.00	Ash, 2h @ 600°C (%)	0504	12.080	0.24000	11.834	0.37383	0.10643	79	0.66	1%	0
005.00	Ash, 2h @ 600°C (%)	0045	12.100	0.20000	11.834	0.37383	0.10643	79	0.71	1%	0
005.00	Ash, 2h @ 600°C (%)	0505	12.100	0.04000	11.834	0.37383	0.10643	79	0.71	1%	0
005.00	Ash, 2h @ 600°C (%)	0630	12.115	0.01000	11.834	0.37383	0.10643	79	0.75	1%	0
005.00	Ash, 2h @ 600°C (%)	0098	12.115	0.07000	11.834	0.37383	0.10643	79	0.75	1%	0
005.00	Ash, 2h @ 600°C (%)	0425	12.120	0.12000	11.834	0.37383	0.10643	79	0.76	1%	0
005.00	Ash, 2h @ 600°C (%)	0171	12.150	0.06000	11.834	0.37383	0.10643	79	0.85	1%	0
005.00	Ash, 2h @ 600°C (%)	0345	12.150	0.10000	11.834	0.37383	0.10643	79	0.85	1%	0
005.00	Ash, 2h @ 600°C (%)	0083	12.150	0.12000	11.834	0.37383	0.10643	79	0.85	1%	0
005.00	Ash, 2h @ 600°C (%)	0353	12.150	0.04000	11.834	0.37383	0.10643	79	0.85	1%	0
005.00	Ash, 2h @ 600°C (%)	0309	12.195	0.07000	11.834	0.37383	0.10643	79	0.97	2%	0
005.00	Ash, 2h @ 600°C (%)	2089	12.200	0.12000	11.834	0.37383	0.10643	79	0.98	2%	0
005.00	Ash, 2h @ 600°C (%)	0139	12.260	0.02000	11.834	0.37383	0.10643	79	1.14	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	
005.00	Ash, 2h @ 600°C (%)	0581	12.315	0.11000	11.834	0.37383	0.10643	79	1.29	2%	0
005.00	Ash, 2h @ 600°C (%)	0675	12.320	0.08000	11.834	0.37383	0.10643	79	1.30	2%	0
005.00	Ash, 2h @ 600°C (%)	0062	12.506	0.16400	11.834	0.37383	0.10643	79	1.80	3%	0
005.00	Ash, 2h @ 600°C (%)	0100	12.530	0.14000	11.834	0.37383	0.10643	79	1.86	3%	0
005.00	Ash, 2h @ 600°C (%)	0242	12.540	0.00000	11.834	0.37383	0.10643	79	1.89	3%	0
005.00	Ash, 2h @ 600°C (%)	0123	13.080	0.08000	11.834	0.37383	0.10643	79	3.33	5%	0
005.00	Ash, 2h @ 600°C (%)	0208	11.400	0.60000	11.834	0.37383	0.10643	79	-1.16	2%	1
005.00	Ash, 2h @ 600°C (%)	0019	11.705	0.61000	11.834	0.37383	0.10643	79	-0.35	1%	1
005.02	Ash, LECO (%)	0644	12.395	0.17000				1			0
005.05	Ash, 3h @ 550°C (%)	0638	11.490	0.18000	12.176	0.26861	0.08437	31	-2.55	3%	0
005.05	Ash, 3h @ 550°C (%)	0003	11.500	0.00000	12.176	0.26861	0.08437	31	-2.52	3%	0
005.05	Ash, 3h @ 550°C (%)	0726	11.545	0.21000	12.176	0.26861	0.08437	31	-2.35	3%	0
005.05	Ash, 3h @ 550°C (%)	0897	11.575	0.03000	12.176	0.26861	0.08437	31	-2.24	2%	0
005.05	Ash, 3h @ 550°C (%)	0868	11.835	0.01000	12.176	0.26861	0.08437	31	-1.27	1%	0
005.05	Ash, 3h @ 550°C (%)	2192	11.860	0.34000	12.176	0.26861	0.08437	31	-1.18	1%	0
005.05	Ash, 3h @ 550°C (%)	0849	11.968	0.01600	12.176	0.26861	0.08437	31	-0.77	1%	0
005.05	Ash, 3h @ 550°C (%)	0263	12.013	0.04000	12.176	0.26861	0.08437	31	-0.61	1%	0
005.05	Ash, 3h @ 550°C (%)	0689	12.065	0.07000	12.176	0.26861	0.08437	31	-0.41	0%	0
005.05	Ash, 3h @ 550°C (%)	0294	12.100	0.00000	12.176	0.26861	0.08437	31	-0.28	0%	0
005.05	Ash, 3h @ 550°C (%)	0878	12.100	0.12000	12.176	0.26861	0.08437	31	-0.28	0%	0
005.05	Ash, 3h @ 550°C (%)	2009	12.147	0.04670	12.176	0.26861	0.08437	31	-0.11	0%	0
005.05	Ash, 3h @ 550°C (%)	0683	12.170	0.02000	12.176	0.26861	0.08437	31	-0.02	0%	0
005.05	Ash, 3h @ 550°C (%)	0413	12.200	0.20000	12.176	0.26861	0.08437	31	0.09	0%	0
005.05	Ash, 3h @ 550°C (%)	0895	12.205	0.01000	12.176	0.26861	0.08437	31	0.11	0%	0
005.05	Ash, 3h @ 550°C (%)	0590	12.210	0.06000	12.176	0.26861	0.08437	31	0.13	0%	0
005.05	Ash, 3h @ 550°C (%)	0939	12.230	0.06000	12.176	0.26861	0.08437	31	0.20	0%	0
005.05	Ash, 3h @ 550°C (%)	0889	12.235	0.03000	12.176	0.26861	0.08437	31	0.22	0%	0
005.05	Ash, 3h @ 550°C (%)	0885	12.244	0.15280	12.176	0.26861	0.08437	31	0.25	0%	0
005.05	Ash, 3h @ 550°C (%)	0692	12.250	0.10000	12.176	0.26861	0.08437	31	0.28	0%	0
005.05	Ash, 3h @ 550°C (%)	0610	12.300	0.06000	12.176	0.26861	0.08437	31	0.46	1%	0
005.05	Ash, 3h @ 550°C (%)	2109	12.300	0.00000	12.176	0.26861	0.08437	31	0.46	1%	0
005.05	Ash, 3h @ 550°C (%)	2146	12.355	0.01000	12.176	0.26861	0.08437	31	0.67	1%	0
005.05	Ash, 3h @ 550°C (%)	2145	12.360	0.20000	12.176	0.26861	0.08437	31	0.68	1%	0
005.05	Ash, 3h @ 550°C (%)	0152	12.370	0.22000	12.176	0.26861	0.08437	31	0.72	1%	0
005.05	Ash, 3h @ 550°C (%)	2126	12.380	0.02000	12.176	0.26861	0.08437	31	0.76	1%	0
005.05	Ash, 3h @ 550°C (%)	0190	12.425	0.03000	12.176	0.26861	0.08437	31	0.93	1%	0
005.05	Ash, 3h @ 550°C (%)	0941	12.440	0.10000	12.176	0.26861	0.08437	31	0.98	1%	0
005.05	Ash, 3h @ 550°C (%)	0955	12.450	0.10000	12.176	0.26861	0.08437	31	1.02	1%	0
005.05	Ash, 3h @ 550°C (%)	0685	12.575	0.05000	12.176	0.26861	0.08437	31	1.49	2%	0
005.05	Ash, 3h @ 550°C (%)	2129	12.695	0.13000	12.176	0.26861	0.08437	31	1.93	2%	0
005.11	Ash, NIR (%)	0889	11.775	0.09000	15.125	4.0061	0.50120	5			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			
005.11	Ash, NIR (%)	2105	11.790	0.08000	15.125	4.0061	0.50120	5		0	
005.11	Ash, NIR (%)	0297	13.113	0.54600	15.125	4.0061	0.50120	5		0	
005.11	Ash, NIR (%)	2120	19.465	1.1900	15.125	4.0061	0.50120	5		0	
005.11	Ash, NIR (%)	2121	19.480	0.60000	15.125	4.0061	0.50120	5		0	
005.99	Ash, Miscellaneous (%)	0574	11.515	0.05000	12.201	0.27058	0.06111	9	-2.53	3%	0
005.99	Ash, Miscellaneous (%)	0629	11.940	0.08000	12.201	0.27058	0.06111	9	-0.96	1%	0
005.99	Ash, Miscellaneous (%)	0676	12.140	0.02000	12.201	0.27058	0.06111	9	-0.22	0%	0
005.99	Ash, Miscellaneous (%)	0202	12.165	0.05000	12.201	0.27058	0.06111	9	-0.13	0%	0
005.99	Ash, Miscellaneous (%)	0914	12.175	0.13000	12.201	0.27058	0.06111	9	-0.09	0%	0
005.99	Ash, Miscellaneous (%)	0536	12.290	0.02000	12.201	0.27058	0.06111	9	0.33	0%	0
005.99	Ash, Miscellaneous (%)	0884	12.300	0.00000	12.201	0.27058	0.06111	9	0.37	0%	0
005.99	Ash, Miscellaneous (%)	0652	12.400	0.00000	12.201	0.27058	0.06111	9	0.74	1%	0
005.99	Ash, Miscellaneous (%)	0910	12.600	0.20000	12.201	0.27058	0.06111	9	1.48	2%	0
006.00	Total sugars, As sucrose (%)	2195	2.7700	0.06000				2			0
006.00	Total sugars, As sucrose (%)	0910	3.8900	0.50000				2			0
006.01	Total sugars, Mod. Fehling Soln (%)	0407	6.3950	0.11000				1			0
006.99	Total sugars, Miscellaneous (%)	0956	5.4500	0.50000				1			0
008.02	Fiber, Acid Detergent (%)	0590	12.300	0.00000	13.984	0.83755	0.29292	14	-2.01	6%	0
008.02	Fiber, Acid Detergent (%)	0675	12.920	0.00000	13.984	0.83755	0.29292	14	-1.27	4%	0
008.02	Fiber, Acid Detergent (%)	0208	13.200	0.40000	13.984	0.83755	0.29292	14	-0.94	3%	0
008.02	Fiber, Acid Detergent (%)	0504	13.270	0.66000	13.984	0.83755	0.29292	14	-0.85	3%	0
008.02	Fiber, Acid Detergent (%)	0939	13.450	0.30000	13.984	0.83755	0.29292	14	-0.64	2%	0
008.02	Fiber, Acid Detergent (%)	0948	14.110	0.26000	13.984	0.83755	0.29292	14	0.15	0%	0
008.02	Fiber, Acid Detergent (%)	0098	14.120	0.14000	13.984	0.83755	0.29292	14	0.16	0%	0
008.02	Fiber, Acid Detergent (%)	0353	14.260	0.06000	13.984	0.83755	0.29292	14	0.33	1%	0
008.02	Fiber, Acid Detergent (%)	2192	14.320	1.4800	13.984	0.83755	0.29292	14	0.40	1%	0
008.02	Fiber, Acid Detergent (%)	0226	14.385	0.27000	13.984	0.83755	0.29292	14	0.48	1%	0
008.02	Fiber, Acid Detergent (%)	0689	14.600	0.40000	13.984	0.83755	0.29292	14	0.74	2%	0
008.02	Fiber, Acid Detergent (%)	0309	14.606	0.01090	13.984	0.83755	0.29292	14	0.74	2%	0
008.02	Fiber, Acid Detergent (%)	0187	14.655	0.03000	13.984	0.83755	0.29292	14	0.80	2%	0
008.02	Fiber, Acid Detergent (%)	0345	15.155	0.09000	13.984	0.83755	0.29292	14	1.40	4%	0
008.02	Fiber, Acid Detergent (%)	0609	35.400	7.5200	13.984	0.83755	0.29292	14	25.57	77%	2
008.08	Fiber, Acid Detergent, ANKOM (%)	0910	11.545	1.2100	13.787	0.96116	0.28044	37	-2.33	8%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0956	11.850	0.10000	13.787	0.96116	0.28044	37	-2.02	7%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0581	12.455	0.19000	13.787	0.96116	0.28044	37	-1.39	5%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0035	12.625	0.09000	13.787	0.96116	0.28044	37	-1.21	4%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0918	12.634	0.09500	13.787	0.96116	0.28044	37	-1.20	4%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0354	12.790	0.10000	13.787	0.96116	0.28044	37	-1.04	4%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0294	12.850	0.30000	13.787	0.96116	0.28044	37	-0.98	3%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0878	12.920	0.10000	13.787	0.96116	0.28044	37	-0.90	3%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0049	13.190	0.36000	13.787	0.96116	0.28044	37	-0.62	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	
008.08	Fiber, Acid Detergent, ANKOM (%)	0889	13.220	0.04000	13.787	0.96116	0.28044	37	-0.59	2%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	2188	13.395	0.29000	13.787	0.96116	0.28044	37	-0.41	1%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0278	13.450	0.10000	13.787	0.96116	0.28044	37	-0.35	1%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0358	13.460	0.24000	13.787	0.96116	0.28044	37	-0.34	1%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0263	13.498	0.11660	13.787	0.96116	0.28044	37	-0.30	1%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	2196	13.500	0.00000	13.787	0.96116	0.28044	37	-0.30	1%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0357	13.600	0.00000	13.787	0.96116	0.28044	37	-0.19	1%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0004	13.625	0.05000	13.787	0.96116	0.28044	37	-0.17	1%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0413	13.650	0.90000	13.787	0.96116	0.28044	37	-0.14	0%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0968	13.725	0.35400	13.787	0.96116	0.28044	37	-0.06	0%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	2146	13.730	0.86000	13.787	0.96116	0.28044	37	-0.06	0%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0297	13.850	0.06000	13.787	0.96116	0.28044	37	0.07	0%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0723	13.944	0.00000	13.787	0.96116	0.28044	37	0.16	1%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0407	14.074	0.21040	13.787	0.96116	0.28044	37	0.30	1%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0001	14.135	0.09000	13.787	0.96116	0.28044	37	0.36	1%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	2129	14.170	0.86000	13.787	0.96116	0.28044	37	0.40	1%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0510	14.300	0.40000	13.787	0.96116	0.28044	37	0.53	2%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0190	14.340	0.40000	13.787	0.96116	0.28044	37	0.58	2%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0646	14.355	0.41000	13.787	0.96116	0.28044	37	0.59	2%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0693	14.416	0.23800	13.787	0.96116	0.28044	37	0.65	2%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0848	14.425	0.01000	13.787	0.96116	0.28044	37	0.66	2%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0870	14.461	0.45220	13.787	0.96116	0.28044	37	0.70	2%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0037	14.600	0.40000	13.787	0.96116	0.28044	37	0.85	3%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0726	15.135	0.11000	13.787	0.96116	0.28044	37	1.40	5%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	2195	15.350	0.06000	13.787	0.96116	0.28044	37	1.63	6%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0083	15.540	0.12000	13.787	0.96116	0.28044	37	1.82	6%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0045	15.650	0.50000	13.787	0.96116	0.28044	37	1.94	7%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0536	16.140	0.56000	13.787	0.96116	0.28044	37	2.45	9%	0
008.99	Fiber, Acid Detergent Miscellaneous (%)	0035	14.805	0.45000				1			0
009.04	Fiber, Neutral Det-No ENZ Pretreat (%)	0504	23.170	2.3400				1			0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0910	21.000	0.00000	24.356	2.3963	0.29677	13	-1.40	7%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0187	22.100	0.08000	24.356	2.3963	0.29677	13	-0.94	5%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0098	22.650	0.90000	24.356	2.3963	0.29677	13	-0.71	4%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0675	22.705	0.03000	24.356	2.3963	0.29677	13	-0.69	3%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0353	23.285	0.39000	24.356	2.3963	0.29677	13	-0.45	2%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0590	23.650	1.1000	24.356	2.3963	0.29677	13	-0.29	1%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0226	23.975	0.13000	24.356	2.3963	0.29677	13	-0.16	1%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0689	24.500	0.20000	24.356	2.3963	0.29677	13	0.06	0%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	2192	24.740	0.26000	24.356	2.3963	0.29677	13	0.16	1%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0309	26.267	0.00800	24.356	2.3963	0.29677	13	0.80	4%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0208	26.650	0.10000	24.356	2.3963	0.29677	13	0.96	5%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0345	27.150	0.50000	24.356	2.3963	0.29677	13	1.17	6%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0609	50.450	0.16000	24.356	2.3963	0.29677	13	10.89	54%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0956	21.100	0.20000	23.589	1.7875	0.46046	37	-1.39	5%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0278	21.350	0.90000	23.589	1.7875	0.46046	37	-1.25	5%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0049	21.505	0.85000	23.589	1.7875	0.46046	37	-1.17	4%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	2196	21.800	0.00000	23.589	1.7875	0.46046	37	-1.00	4%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0939	21.975	0.13000	23.589	1.7875	0.46046	37	-0.90	3%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0357	22.200	1.0000	23.589	1.7875	0.46046	37	-0.78	3%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0263	22.346	0.08250	23.589	1.7875	0.46046	37	-0.70	3%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0889	22.370	0.04000	23.589	1.7875	0.46046	37	-0.68	3%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0870	22.464	1.4989	23.589	1.7875	0.46046	37	-0.63	2%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0294	22.500	0.00000	23.589	1.7875	0.46046	37	-0.61	2%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0918	22.508	1.2489	23.589	1.7875	0.46046	37	-0.60	2%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0358	22.560	1.2400	23.589	1.7875	0.46046	37	-0.58	2%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0878	22.635	0.17000	23.589	1.7875	0.46046	37	-0.53	2%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0693	22.711	0.13000	23.589	1.7875	0.46046	37	-0.49	2%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0581	22.715	0.19000	23.589	1.7875	0.46046	37	-0.49	2%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0001	22.770	0.20000	23.589	1.7875	0.46046	37	-0.46	2%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0037	23.085	0.53000	23.589	1.7875	0.46046	37	-0.28	1%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0413	23.200	0.40000	23.589	1.7875	0.46046	37	-0.22	1%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0646	23.200	0.32000	23.589	1.7875	0.46046	37	-0.22	1%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	2195	23.350	0.04000	23.589	1.7875	0.46046	37	-0.13	1%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0045	23.500	0.20000	23.589	1.7875	0.46046	37	-0.05	0%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0354	23.505	0.19000	23.589	1.7875	0.46046	37	-0.05	0%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	2129	23.510	0.70000	23.589	1.7875	0.46046	37	-0.04	0%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0297	23.690	0.14000	23.589	1.7875	0.46046	37	0.06	0%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0638	23.700	0.00000	23.589	1.7875	0.46046	37	0.06	0%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0723	23.737	0.00000	23.589	1.7875	0.46046	37	0.08	0%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0948	23.930	0.28000	23.589	1.7875	0.46046	37	0.19	1%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0407	25.224	0.48580	23.589	1.7875	0.46046	37	0.91	3%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	2188	25.240	0.40000	23.589	1.7875	0.46046	37	0.92	3%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0083	25.450	1.0400	23.589	1.7875	0.46046	37	1.04	4%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0968	25.810	0.40100	23.589	1.7875	0.46046	37	1.24	5%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0190	26.025	0.13000	23.589	1.7875	0.46046	37	1.36	5%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0510	26.050	0.70000	23.589	1.7875	0.46046	37	1.38	5%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	2146	26.500	1.2400	23.589	1.7875	0.46046	37	1.63	6%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0726	26.660	0.08000	23.589	1.7875	0.46046	37	1.72	7%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0848	26.660	0.08000	23.589	1.7875	0.46046	37	1.72	7%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0536	26.760	1.8000	23.589	1.7875	0.46046	37	1.77	7%	0
010.03	Moisture, Karl-Fischer (%)	0208	7.3050	0.09000				1			0
010.11	Moisture, NIR (%)	2120	7.3150	0.01000	7.6720	0.33308	0.07600	5			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			
010.11	Moisture, NIR (%)	2121	7.5150	0.03000	7.6720	0.33308	0.07600	5			0
010.11	Moisture, NIR (%)	0889	7.5850	0.09000	7.6720	0.33308	0.07600	5			0
010.11	Moisture, NIR (%)	2105	7.7450	0.05000	7.6720	0.33308	0.07600	5			0
010.11	Moisture, NIR (%)	0152	8.2000	0.20000	7.6720	0.33308	0.07600	5			0
010.99	Moisture, Miscellaneous (%)	0948	7.0900	0.04000	7.6471	0.36397	0.08294	17	-1.53	4%	0
010.99	Moisture, Miscellaneous (%)	2089	7.3200	0.44000	7.6471	0.36397	0.08294	17	-0.90	2%	0
010.99	Moisture, Miscellaneous (%)	0939	7.3950	0.41000	7.6471	0.36397	0.08294	17	-0.69	2%	0
010.99	Moisture, Miscellaneous (%)	0692	7.4000	0.00000	7.6471	0.36397	0.08294	17	-0.68	2%	0
010.99	Moisture, Miscellaneous (%)	0884	7.4000	0.00000	7.6471	0.36397	0.08294	17	-0.68	2%	0
010.99	Moisture, Miscellaneous (%)	2129	7.4450	0.07000	7.6471	0.36397	0.08294	17	-0.56	1%	0
010.99	Moisture, Miscellaneous (%)	2043	7.5300	0.06000	7.6471	0.36397	0.08294	17	-0.32	1%	0
010.99	Moisture, Miscellaneous (%)	0921	7.5400	0.00000	7.6471	0.36397	0.08294	17	-0.29	1%	0
010.99	Moisture, Miscellaneous (%)	0652	7.6000	0.00000	7.6471	0.36397	0.08294	17	-0.13	0%	0
010.99	Moisture, Miscellaneous (%)	0190	7.6350	0.05000	7.6471	0.36397	0.08294	17	-0.03	0%	0
010.99	Moisture, Miscellaneous (%)	2178	7.6700	0.02000	7.6471	0.36397	0.08294	17	0.06	0%	0
010.99	Moisture, Miscellaneous (%)	2076	7.7000	0.10000	7.6471	0.36397	0.08294	17	0.15	0%	0
010.99	Moisture, Miscellaneous (%)	2150	7.7550	0.15000	7.6471	0.36397	0.08294	17	0.30	1%	0
010.99	Moisture, Miscellaneous (%)	0726	7.9300	0.02000	7.6471	0.36397	0.08294	17	0.78	2%	0
010.99	Moisture, Miscellaneous (%)	0952	8.2150	0.01000	7.6471	0.36397	0.08294	17	1.56	4%	0
010.99	Moisture, Miscellaneous (%)	2127	9.0000	0.00000	7.6471	0.36397	0.08294	17	3.72	9%	0
010.99	Moisture, Miscellaneous (%)	0405	9.0800	0.04000	7.6471	0.36397	0.08294	17	3.94	9%	0
010.99	Moisture, Miscellaneous (%)	0028	6.2150	1.5500	7.6471	0.36397	0.08294	17	-3.93	9%	1
011.01	Loss on Drying, 135°C 2hr (%)	0536	6.1650	0.17000	8.2102	0.31364	0.05909	53	-6.52	12%	0
011.01	Loss on Drying, 135°C 2hr (%)	0345	6.8950	0.07000	8.2102	0.31364	0.05909	53	-4.19	8%	0
011.01	Loss on Drying, 135°C 2hr (%)	0874	7.3750	0.07000	8.2102	0.31364	0.05909	53	-2.66	5%	0
011.01	Loss on Drying, 135°C 2hr (%)	0574	7.4950	0.05000	8.2102	0.31364	0.05909	53	-2.28	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0175	7.6500	0.10000	8.2102	0.31364	0.05909	53	-1.79	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0859	7.6505	0.03300	8.2102	0.31364	0.05909	53	-1.78	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0108	7.7950	0.31000	8.2102	0.31364	0.05909	53	-1.32	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0598	7.8100	0.04000	8.2102	0.31364	0.05909	53	-1.28	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	2188	7.8450	0.01000	8.2102	0.31364	0.05909	53	-1.16	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0723	7.8700	0.00000	8.2102	0.31364	0.05909	53	-1.08	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0062	7.9395	0.03700	8.2102	0.31364	0.05909	53	-0.86	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0953	7.9650	0.25000	8.2102	0.31364	0.05909	53	-0.78	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0226	7.9700	0.08000	8.2102	0.31364	0.05909	53	-0.77	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0968	8.0180	0.01000	8.2102	0.31364	0.05909	53	-0.61	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	2181	8.0300	0.02000	8.2102	0.31364	0.05909	53	-0.57	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0208	8.0550	0.01000	8.2102	0.31364	0.05909	53	-0.49	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0541	8.1350	0.15000	8.2102	0.31364	0.05909	53	-0.24	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	2073	8.1400	0.02000	8.2102	0.31364	0.05909	53	-0.22	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0539	8.1500	0.16000	8.2102	0.31364	0.05909	53	-0.19	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	
011.01	Loss on Drying, 135°C 2hr (%)	0100	8.1700	0.02000	8.2102	0.31364	0.05909	53	-0.13	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0653	8.1700	0.02000	8.2102	0.31364	0.05909	53	-0.13	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0881	8.1825	0.03700	8.2102	0.31364	0.05909	53	-0.09	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0520	8.2000	0.00000	8.2102	0.31364	0.05909	53	-0.03	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	2196	8.2000	0.00000	8.2102	0.31364	0.05909	53	-0.03	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	2006	8.2200	0.04000	8.2102	0.31364	0.05909	53	0.03	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0646	8.2250	0.13000	8.2102	0.31364	0.05909	53	0.05	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0309	8.2350	0.09000	8.2102	0.31364	0.05909	53	0.08	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0682	8.2800	0.00000	8.2102	0.31364	0.05909	53	0.22	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0242	8.2900	0.08000	8.2102	0.31364	0.05909	53	0.25	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0510	8.3000	0.00000	8.2102	0.31364	0.05909	53	0.29	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0098	8.3050	0.03000	8.2102	0.31364	0.05909	53	0.30	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0955	8.3150	0.07000	8.2102	0.31364	0.05909	53	0.33	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	2168	8.3150	0.07000	8.2102	0.31364	0.05909	53	0.33	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0407	8.3373	0.03200	8.2102	0.31364	0.05909	53	0.41	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0202	8.3400	0.02000	8.2102	0.31364	0.05909	53	0.41	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0354	8.3450	0.01000	8.2102	0.31364	0.05909	53	0.43	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0144	8.3500	0.12000	8.2102	0.31364	0.05909	53	0.45	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0870	8.3542	0.04930	8.2102	0.31364	0.05909	53	0.46	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0675	8.3750	0.15000	8.2102	0.31364	0.05909	53	0.53	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0589	8.3800	0.04000	8.2102	0.31364	0.05909	53	0.54	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0229	8.3860	0.01200	8.2102	0.31364	0.05909	53	0.56	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0294	8.4500	0.10000	8.2102	0.31364	0.05909	53	0.76	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0123	8.4600	0.00000	8.2102	0.31364	0.05909	53	0.80	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0171	8.4600	0.00000	8.2102	0.31364	0.05909	53	0.80	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0685	8.5000	0.00000	8.2102	0.31364	0.05909	53	0.92	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0233	8.5400	0.06000	8.2102	0.31364	0.05909	53	1.05	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0876	8.5450	0.09000	8.2102	0.31364	0.05909	53	1.07	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	2022	8.5450	0.01000	8.2102	0.31364	0.05909	53	1.07	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0848	8.5850	0.01000	8.2102	0.31364	0.05909	53	1.20	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0205	8.5930	0.01800	8.2102	0.31364	0.05909	53	1.22	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0263	8.6648	0.00360	8.2102	0.31364	0.05909	53	1.45	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0358	8.8150	0.19000	8.2102	0.31364	0.05909	53	1.93	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0004	8.8200	0.04000	8.2102	0.31364	0.05909	53	1.94	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0511	8.0350	0.45000	8.2102	0.31364	0.05909	53	-0.56	1%	1
011.02	Loss on Drying, 130°C for 2 hours (%)	0942	8.1200	0.36000				2			0
011.02	Loss on Drying, 130°C for 2 hours (%)	0425	8.2550	0.05000				2			0
011.99	Loss on Drying, High Temp. Methods Miscellaneous	0857	7.9500	0.50000				2			0
011.99	Loss on Drying, High Temp. Methods Miscellaneous	2193	8.2300	0.14000				2			0
012.00	Starch, Polarimetric (Ewers) (%)	2195	15.630	0.44000	17.537	0.81949	0.12349	15	-2.33	5%	0
012.00	Starch, Polarimetric (Ewers) (%)	0723	16.060	0.00000	17.537	0.81949	0.12349	15	-1.80	4%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
012.00	Starch, Polarimetric (Ewers) (%)	0689	16.300	0.40000	17.537	0.81949	0.12349	15	-1.51	4%	0
012.00	Starch, Polarimetric (Ewers) (%)	2196	17.150	0.00000	17.537	0.81949	0.12349	15	-0.47	1%	0
012.00	Starch, Polarimetric (Ewers) (%)	0610	17.500	0.00000	17.537	0.81949	0.12349	15	-0.05	0%	0
012.00	Starch, Polarimetric (Ewers) (%)	0939	17.635	0.05000	17.537	0.81949	0.12349	15	0.12	0%	0
012.00	Starch, Polarimetric (Ewers) (%)	0683	17.695	0.27000	17.537	0.81949	0.12349	15	0.19	0%	0
012.00	Starch, Polarimetric (Ewers) (%)	2006	17.695	0.39000	17.537	0.81949	0.12349	15	0.19	0%	0
012.00	Starch, Polarimetric (Ewers) (%)	0354	17.800	0.02000	17.537	0.81949	0.12349	15	0.32	1%	0
012.00	Starch, Polarimetric (Ewers) (%)	0638	17.800	0.00000	17.537	0.81949	0.12349	15	0.32	1%	0
012.00	Starch, Polarimetric (Ewers) (%)	2188	17.850	0.26000	17.537	0.81949	0.12349	15	0.38	1%	0
012.00	Starch, Polarimetric (Ewers) (%)	2181	17.930	0.00000	17.537	0.81949	0.12349	15	0.48	1%	0
012.00	Starch, Polarimetric (Ewers) (%)	0609	18.060	0.00000	17.537	0.81949	0.12349	15	0.64	1%	0
012.00	Starch, Polarimetric (Ewers) (%)	2009	18.416	0.02230	17.537	0.81949	0.12349	15	1.07	3%	0
012.00	Starch, Polarimetric (Ewers) (%)	0878	18.600	0.00000	17.537	0.81949	0.12349	15	1.30	3%	0
012.00	Starch, Polarimetric (Ewers) (%)	0910	18.500	1.0000	17.537	0.81949	0.12349	15	1.18	3%	1
012.01	Starch, Megazyme (%)	0918	11.409	0.84500	14.984	1.8046	0.78528	6	-1.98	12%	0
012.01	Starch, Megazyme (%)	2066	13.985	1.0700	14.984	1.8046	0.78528	6	-0.55	3%	0
012.01	Starch, Megazyme (%)	0870	15.489	0.92270	14.984	1.8046	0.78528	6	0.28	2%	0
012.01	Starch, Megazyme (%)	0045	15.500	0.40000	14.984	1.8046	0.78528	6	0.29	2%	0
012.01	Starch, Megazyme (%)	0956	16.000	0.40000	14.984	1.8046	0.78528	6	0.56	3%	0
012.01	Starch, Megazyme (%)	0693	16.652	1.0740	14.984	1.8046	0.78528	6	0.92	6%	0
012.03	Starch, Enzymatic (%)	0885	14.636	0.11160	16.577	1.7585	0.08815	4			0
012.03	Starch, Enzymatic (%)	0407	16.020	0.14000	16.577	1.7585	0.08815	4			0
012.03	Starch, Enzymatic (%)	0297	16.805	0.01000	16.577	1.7585	0.08815	4			0
012.03	Starch, Enzymatic (%)	0889	18.846	0.09100	16.577	1.7585	0.08815	4			0
012.04	Starch, YSI Analyzer (%)	0160	15.215	0.33000	16.436	1.0958	0.28143	7	-1.11	4%	0
012.04	Starch, YSI Analyzer (%)	0098	15.600	0.20000	16.436	1.0958	0.28143	7	-0.76	3%	0
012.04	Starch, YSI Analyzer (%)	0353	16.075	0.31000	16.436	1.0958	0.28143	7	-0.33	1%	0
012.04	Starch, YSI Analyzer (%)	0278	16.200	0.20000	16.436	1.0958	0.28143	7	-0.22	1%	0
012.04	Starch, YSI Analyzer (%)	0510	16.800	0.40000	16.436	1.0958	0.28143	7	0.33	1%	0
012.04	Starch, YSI Analyzer (%)	0208	17.100	0.40000	16.436	1.0958	0.28143	7	0.61	2%	0
012.04	Starch, YSI Analyzer (%)	0948	18.065	0.13000	16.436	1.0958	0.28143	7	1.49	5%	0
012.11	Starch, NIR (%)	0297	15.520	0.38000				2			0
012.11	Starch, NIR (%)	0889	16.375	0.41000				2			0
012.99	Starch, Miscellaneous (%)	2022	28.460	0.00000				1			0
013.00	Fat, Acid hydrolysis (%)	0202	2.7450	0.05000	4.7967	1.3130	0.25810	18	-1.56	21%	0
013.00	Fat, Acid hydrolysis (%)	0885	3.2272	0.09230	4.7967	1.3130	0.25810	18	-1.20	16%	0
013.00	Fat, Acid hydrolysis (%)	2146	3.3750	0.13000	4.7967	1.3130	0.25810	18	-1.08	15%	0
013.00	Fat, Acid hydrolysis (%)	2145	3.3900	0.00000	4.7967	1.3130	0.25810	18	-1.07	15%	0
013.00	Fat, Acid hydrolysis (%)	0689	3.4500	0.10000	4.7967	1.3130	0.25810	18	-1.03	14%	0
013.00	Fat, Acid hydrolysis (%)	0242	3.8850	0.51000	4.7967	1.3130	0.25810	18	-0.69	10%	0
013.00	Fat, Acid hydrolysis (%)	0504	4.3900	0.34000	4.7967	1.3130	0.25810	18	-0.31	4%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
013.00	Fat, Acid hydrolysis (%)	0884	5.0500	0.10000	4.7967	1.3130	0.25810	18	0.19	3%	0
013.00	Fat, Acid hydrolysis (%)	0652	5.1000	0.40000	4.7967	1.3130	0.25810	18	0.23	3%	0
013.00	Fat, Acid hydrolysis (%)	0948	5.1350	0.09000	4.7967	1.3130	0.25810	18	0.26	4%	0
013.00	Fat, Acid hydrolysis (%)	0910	5.3800	0.52000	4.7967	1.3130	0.25810	18	0.44	6%	0
013.00	Fat, Acid hydrolysis (%)	0541	5.3900	0.36000	4.7967	1.3130	0.25810	18	0.45	6%	0
013.00	Fat, Acid hydrolysis (%)	0229	5.5950	0.41000	4.7967	1.3130	0.25810	18	0.61	8%	0
013.00	Fat, Acid hydrolysis (%)	0618	5.6686	0.50590	4.7967	1.3130	0.25810	18	0.66	9%	0
013.00	Fat, Acid hydrolysis (%)	0309	5.8248	0.18100	4.7967	1.3130	0.25810	18	0.78	11%	0
013.00	Fat, Acid hydrolysis (%)	2073	5.9700	0.20000	4.7967	1.3130	0.25810	18	0.89	12%	0
013.00	Fat, Acid hydrolysis (%)	0139	6.1550	0.29000	4.7967	1.3130	0.25810	18	1.03	14%	0
013.00	Fat, Acid hydrolysis (%)	2076	6.5282	0.36660	4.7967	1.3130	0.25810	18	1.32	18%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0874	4.0300	0.04000	6.0851	0.76115	0.18672	16	-2.70	17%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0011	4.1350	0.31000	6.0851	0.76115	0.18672	16	-2.56	16%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0098	5.3150	0.05000	6.0851	0.76115	0.18672	16	-1.01	6%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0643	5.7200	0.46000	6.0851	0.76115	0.18672	16	-0.48	3%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0921	5.7300	0.10000	6.0851	0.76115	0.18672	16	-0.47	3%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0675	5.7600	0.16000	6.0851	0.76115	0.18672	16	-0.43	3%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0016	5.8900	0.10000	6.0851	0.76115	0.18672	16	-0.26	2%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0208	6.0550	0.11000	6.0851	0.76115	0.18672	16	-0.04	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	2150	6.1050	0.45000	6.0851	0.76115	0.18672	16	0.03	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0010	6.4000	0.40000	6.0851	0.76115	0.18672	16	0.41	3%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0870	6.4348	0.09750	6.0851	0.76115	0.18672	16	0.46	3%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0682	6.5600	0.00000	6.0851	0.76115	0.18672	16	0.62	4%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0100	6.6100	0.30000	6.0851	0.76115	0.18672	16	0.69	4%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0676	6.7100	0.12000	6.0851	0.76115	0.18672	16	0.82	5%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0354	7.0200	0.14000	6.0851	0.76115	0.18672	16	1.23	8%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0171	7.1650	0.15000	6.0851	0.76115	0.18672	16	1.42	9%	0
013.08	Fat, Roesse-Gottlieb Modified (%)	0618	3.7518	0.17310				1			0
013.10	Fat, Soxtec-Acid Hydrolysis (%)	0353	0.90500	0.25000	4.0863	1.9731	0.27514	5			0
013.10	Fat, Soxtec-Acid Hydrolysis (%)	0036	4.2167	0.50570	4.0863	1.9731	0.27514	5			0
013.10	Fat, Soxtec-Acid Hydrolysis (%)	2006	4.4550	0.21000	4.0863	1.9731	0.27514	5			0
013.10	Fat, Soxtec-Acid Hydrolysis (%)	0610	4.5050	0.11000	4.0863	1.9731	0.27514	5			0
013.10	Fat, Soxtec-Acid Hydrolysis (%)	0638	6.3500	0.30000	4.0863	1.9731	0.27514	5			0
013.13	Fat, Ankom- Acid Hydrolysis (%)	0968	3.8495	0.00700	5.2865	1.3590	0.29248	5			0
013.13	Fat, Ankom- Acid Hydrolysis (%)	0407	4.7031	0.21540	5.2865	1.3590	0.29248	5			0
013.13	Fat, Ankom- Acid Hydrolysis (%)	0955	4.9600	0.00000	5.2865	1.3590	0.29248	5			0
013.13	Fat, Ankom- Acid Hydrolysis (%)	0027	5.4300	0.82000	5.2865	1.3590	0.29248	5			0
013.13	Fat, Ankom- Acid Hydrolysis (%)	0581	7.4900	0.42000	5.2865	1.3590	0.29248	5			0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0049	314.25	9.8900				3			0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0520	363.00	36.000				3			0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0171	381.50	5.0000				3			0

Test Material Code # 201821

Method Proficiency Testing Report

Issue Date : 02/28/2018

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
015.42	Aluminum, ICP, Open vessel (mg / kg (ppm))	0560	335.55	12.900				1			0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0918	251.26	27.778	308.38	54.569	18.630	6	-1.05	9%	0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0169	256.00	2.0000	308.38	54.569	18.630	6	-0.96	8%	0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0510	297.00	2.0000	308.38	54.569	18.630	6	-0.21	2%	0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0297	330.00	70.000	308.38	54.569	18.630	6	0.40	4%	0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0353	353.00	4.0000	308.38	54.569	18.630	6	0.82	7%	0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0345	363.00	6.0000	308.38	54.569	18.630	6	1.00	9%	0
015.52	Aluminum, ICP-MS, Open vessel (mg / kg (ppm))	0186	207.00	12.000				1			0
017.41	Boron, ICP, Dry ash (mg / kg (ppm))	0049	19.705	0.05000				3			0
017.41	Boron, ICP, Dry ash (mg / kg (ppm))	0358	20.235	0.13000				3			0
017.41	Boron, ICP, Dry ash (mg / kg (ppm))	0229	20.965	2.4700				3			0
017.42	Boron, ICP, Open vessel (mg / kg (ppm))	0693	17.498	0.03300	19.979	2.4103	1.4806	5			0
017.42	Boron, ICP, Open vessel (mg / kg (ppm))	0045	18.650	2.3000	19.979	2.4103	1.4806	5			0
017.42	Boron, ICP, Open vessel (mg / kg (ppm))	0560	18.785	0.37000	19.979	2.4103	1.4806	5			0
017.42	Boron, ICP, Open vessel (mg / kg (ppm))	0294	21.650	0.10000	19.979	2.4103	1.4806	5			0
017.42	Boron, ICP, Open vessel (mg / kg (ppm))	2053	23.310	4.6000	19.979	2.4103	1.4806	5			0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0510	18.000	0.00000	18.553	0.43783	0.42500	4			0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0353	18.500	1.0000	18.553	0.43783	0.42500	4			0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0345	18.650	0.30000	18.553	0.43783	0.42500	4			0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0918	19.060	0.40000	18.553	0.43783	0.42500	4			0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0297	15.000	0.00000	18.553	0.43783	0.42500	4			2
019.00	Calcium, Ox-Mn04 Vol. (%)	2181	2.0250	0.05000	2.2055	0.08613	0.02267	9	-2.10	4%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0878	2.1400	0.04000	2.2055	0.08613	0.02267	9	-0.76	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	2109	2.1470	0.00200	2.2055	0.08613	0.02267	9	-0.68	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0881	2.2075	0.00500	2.2055	0.08613	0.02267	9	0.02	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0683	2.2100	0.00000	2.2055	0.08613	0.02267	9	0.05	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0895	2.2250	0.01000	2.2055	0.08613	0.02267	9	0.23	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0043	2.2500	0.00000	2.2055	0.08613	0.02267	9	0.52	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0897	2.2600	0.04000	2.2055	0.08613	0.02267	9	0.63	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	2006	2.3335	0.05700	2.2055	0.08613	0.02267	9	1.49	3%	0
019.03	Calcium, Semiauto (Autoanalyzer) (%)	0036	2.2636	0.00390				1			0
019.08	Calcium, EDTA (%)	2188	1.7100	0.00000	2.1779	0.08042	0.02530	9	-5.82	11%	0
019.08	Calcium, EDTA (%)	0629	2.0650	0.01000	2.1779	0.08042	0.02530	9	-1.40	3%	0
019.08	Calcium, EDTA (%)	0590	2.1750	0.05000	2.1779	0.08042	0.02530	9	-0.04	0%	0
019.08	Calcium, EDTA (%)	2009	2.1996	0.00310	2.1779	0.08042	0.02530	9	0.27	0%	0
019.08	Calcium, EDTA (%)	2196	2.2000	0.00000	2.1779	0.08042	0.02530	9	0.27	1%	0
019.08	Calcium, EDTA (%)	0885	2.2059	0.02760	2.1779	0.08042	0.02530	9	0.35	1%	0
019.08	Calcium, EDTA (%)	0849	2.2085	0.03700	2.1779	0.08042	0.02530	9	0.38	1%	0
019.08	Calcium, EDTA (%)	2195	2.2200	0.06000	2.1779	0.08042	0.02530	9	0.52	1%	0
019.08	Calcium, EDTA (%)	0689	2.2700	0.04000	2.1779	0.08042	0.02530	9	1.15	2%	0
019.09	Calcium, Ion-selective electrode (%)	2006	2.3525	0.05900				1			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
019.31	Calcium, AAS, Dry ash (%)	0536	1.9500	0.22000	2.1677	0.13439	0.05929	18	-1.62	5%	0
019.31	Calcium, AAS, Dry ash (%)	0233	2.0250	0.13000	2.1677	0.13439	0.05929	18	-1.06	3%	0
019.31	Calcium, AAS, Dry ash (%)	2188	2.0550	0.07000	2.1677	0.13439	0.05929	18	-0.84	3%	0
019.31	Calcium, AAS, Dry ash (%)	2022	2.0650	0.01000	2.1677	0.13439	0.05929	18	-0.76	2%	0
019.31	Calcium, AAS, Dry ash (%)	0175	2.0700	0.02000	2.1677	0.13439	0.05929	18	-0.73	2%	0
019.31	Calcium, AAS, Dry ash (%)	0723	2.0923	0.00000	2.1677	0.13439	0.05929	18	-0.56	2%	0
019.31	Calcium, AAS, Dry ash (%)	0208	2.1040	0.16000	2.1677	0.13439	0.05929	18	-0.47	1%	0
019.31	Calcium, AAS, Dry ash (%)	0653	2.1120	0.00200	2.1677	0.13439	0.05929	18	-0.41	1%	0
019.31	Calcium, AAS, Dry ash (%)	0948	2.1270	0.02800	2.1677	0.13439	0.05929	18	-0.30	1%	0
019.31	Calcium, AAS, Dry ash (%)	0884	2.1650	0.01000	2.1677	0.13439	0.05929	18	-0.02	0%	0
019.31	Calcium, AAS, Dry ash (%)	0939	2.1800	0.06000	2.1677	0.13439	0.05929	18	0.09	0%	0
019.31	Calcium, AAS, Dry ash (%)	0354	2.1950	0.01000	2.1677	0.13439	0.05929	18	0.20	1%	0
019.31	Calcium, AAS, Dry ash (%)	0014	2.2450	0.05000	2.1677	0.13439	0.05929	18	0.58	2%	0
019.31	Calcium, AAS, Dry ash (%)	0874	2.2850	0.11000	2.1677	0.13439	0.05929	18	0.87	3%	0
019.31	Calcium, AAS, Dry ash (%)	0142	2.3222	0.00730	2.1677	0.13439	0.05929	18	1.15	4%	0
019.31	Calcium, AAS, Dry ash (%)	0868	2.3250	0.05000	2.1677	0.13439	0.05929	18	1.17	4%	0
019.31	Calcium, AAS, Dry ash (%)	0108	2.3350	0.03000	2.1677	0.13439	0.05929	18	1.24	4%	0
019.31	Calcium, AAS, Dry ash (%)	0687	2.3500	0.10000	2.1677	0.13439	0.05929	18	1.36	4%	0
019.32	Calcium, AAS, Open vessel (%)	0609	2.0650	0.07000				2			0
019.32	Calcium, AAS, Open vessel (%)	0169	74.040	2.8000				2			0
019.33	Calcium, AAS, Microwave (%)	0612	2.2300	0.06000				2			0
019.33	Calcium, AAS, Microwave (%)	0300	2.4100	0.08000				2			0
019.41	Calcium, ICP, Dry ash (%)	0144	1.9800	0.16000	2.1775	0.12283	0.05592	23	-1.61	5%	0
019.41	Calcium, ICP, Dry ash (%)	0511	2.0200	0.24000	2.1775	0.12283	0.05592	23	-1.28	4%	0
019.41	Calcium, ICP, Dry ash (%)	0098	2.0550	0.01000	2.1775	0.12283	0.05592	23	-1.00	3%	0
019.41	Calcium, ICP, Dry ash (%)	0019	2.0650	0.11000	2.1775	0.12283	0.05592	23	-0.92	3%	0
019.41	Calcium, ICP, Dry ash (%)	0848	2.0800	0.00000	2.1775	0.12283	0.05592	23	-0.79	2%	0
019.41	Calcium, ICP, Dry ash (%)	0011	2.1185	0.08710	2.1775	0.12283	0.05592	23	-0.48	1%	0
019.41	Calcium, ICP, Dry ash (%)	0910	2.1200	0.10000	2.1775	0.12283	0.05592	23	-0.47	1%	0
019.41	Calcium, ICP, Dry ash (%)	2145	2.1200	0.00000	2.1775	0.12283	0.05592	23	-0.47	1%	0
019.41	Calcium, ICP, Dry ash (%)	0171	2.1250	0.03000	2.1775	0.12283	0.05592	23	-0.43	1%	0
019.41	Calcium, ICP, Dry ash (%)	0878	2.1500	0.10000	2.1775	0.12283	0.05592	23	-0.22	1%	0
019.41	Calcium, ICP, Dry ash (%)	0003	2.1550	0.01000	2.1775	0.12283	0.05592	23	-0.18	1%	0
019.41	Calcium, ICP, Dry ash (%)	0208	2.1570	0.01200	2.1775	0.12283	0.05592	23	-0.17	0%	0
019.41	Calcium, ICP, Dry ash (%)	0229	2.1635	0.01700	2.1775	0.12283	0.05592	23	-0.11	0%	0
019.41	Calcium, ICP, Dry ash (%)	0139	2.1650	0.01000	2.1775	0.12283	0.05592	23	-0.10	0%	0
019.41	Calcium, ICP, Dry ash (%)	0407	2.1822	0.00800	2.1775	0.12283	0.05592	23	0.04	0%	0
019.41	Calcium, ICP, Dry ash (%)	0049	2.2050	0.13000	2.1775	0.12283	0.05592	23	0.22	1%	0
019.41	Calcium, ICP, Dry ash (%)	0413	2.2500	0.10000	2.1775	0.12283	0.05592	23	0.59	2%	0
019.41	Calcium, ICP, Dry ash (%)	0358	2.2700	0.06000	2.1775	0.12283	0.05592	23	0.75	2%	0
019.41	Calcium, ICP, Dry ash (%)	0598	2.2870	0.00200	2.1775	0.12283	0.05592	23	0.89	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	
019.41	Calcium, ICP, Dry ash (%)	0520	2.3150	0.07000	2.1775	0.12283	0.05592	23	1.12	3%	0
019.41	Calcium, ICP, Dry ash (%)	0226	2.4000	0.02000	2.1775	0.12283	0.05592	23	1.81	5%	0
019.41	Calcium, ICP, Dry ash (%)	0405	2.4550	0.01000	2.1775	0.12283	0.05592	23	2.26	6%	0
019.41	Calcium, ICP, Dry ash (%)	0123	2.8700	0.00000	2.1775	0.12283	0.05592	23	5.64	16%	0
019.42	Calcium, ICP, Open vessel (%)	0042	2.0050	0.11000	2.1748	0.13350	0.05731	18	-1.27	4%	0
019.42	Calcium, ICP, Open vessel (%)	0692	2.0050	0.07000	2.1748	0.13350	0.05731	18	-1.27	4%	0
019.42	Calcium, ICP, Open vessel (%)	0693	2.0430	0.03600	2.1748	0.13350	0.05731	18	-0.99	3%	0
019.42	Calcium, ICP, Open vessel (%)	0045	2.0550	0.07000	2.1748	0.13350	0.05731	18	-0.90	3%	0
019.42	Calcium, ICP, Open vessel (%)	0205	2.0950	0.05000	2.1748	0.13350	0.05731	18	-0.60	2%	0
019.42	Calcium, ICP, Open vessel (%)	0560	2.1003	0.01450	2.1748	0.13350	0.05731	18	-0.56	2%	0
019.42	Calcium, ICP, Open vessel (%)	0294	2.1250	0.03000	2.1748	0.13350	0.05731	18	-0.37	1%	0
019.42	Calcium, ICP, Open vessel (%)	0870	2.1435	0.14300	2.1748	0.13350	0.05731	18	-0.23	1%	0
019.42	Calcium, ICP, Open vessel (%)	0278	2.1650	0.05000	2.1748	0.13350	0.05731	18	-0.07	0%	0
019.42	Calcium, ICP, Open vessel (%)	0263	2.1683	0.00220	2.1748	0.13350	0.05731	18	-0.05	0%	0
019.42	Calcium, ICP, Open vessel (%)	0037	2.1700	0.08000	2.1748	0.13350	0.05731	18	-0.04	0%	0
019.42	Calcium, ICP, Open vessel (%)	0187	2.2150	0.01000	2.1748	0.13350	0.05731	18	0.30	1%	0
019.42	Calcium, ICP, Open vessel (%)	0186	2.2400	0.02000	2.1748	0.13350	0.05731	18	0.49	1%	0
019.42	Calcium, ICP, Open vessel (%)	0035	2.2450	0.03000	2.1748	0.13350	0.05731	18	0.53	2%	0
019.42	Calcium, ICP, Open vessel (%)	2053	2.2750	0.19000	2.1748	0.13350	0.05731	18	0.75	2%	0
019.42	Calcium, ICP, Open vessel (%)	0357	2.3469	0.06290	2.1748	0.13350	0.05731	18	1.29	4%	0
019.42	Calcium, ICP, Open vessel (%)	0726	2.5165	0.02300	2.1748	0.13350	0.05731	18	2.56	8%	0
019.42	Calcium, ICP, Open vessel (%)	0190	2.5800	0.04000	2.1748	0.13350	0.05731	18	3.03	9%	0
019.43	Calcium, ICP, Microwave (%)	2192	1.9400	0.02000	2.1964	0.12540	0.04660	27	-2.04	6%	0
019.43	Calcium, ICP, Microwave (%)	0043	1.9650	0.03000	2.1964	0.12540	0.04660	27	-1.85	5%	0
019.43	Calcium, ICP, Microwave (%)	0510	1.9950	0.05000	2.1964	0.12540	0.04660	27	-1.61	5%	0
019.43	Calcium, ICP, Microwave (%)	0036	2.0379	0.05500	2.1964	0.12540	0.04660	27	-1.26	4%	0
019.43	Calcium, ICP, Microwave (%)	0675	2.1050	0.01000	2.1964	0.12540	0.04660	27	-0.73	2%	0
019.43	Calcium, ICP, Microwave (%)	0297	2.1100	0.10000	2.1964	0.12540	0.04660	27	-0.69	2%	0
019.43	Calcium, ICP, Microwave (%)	0018	2.1350	0.01000	2.1964	0.12540	0.04660	27	-0.49	1%	0
019.43	Calcium, ICP, Microwave (%)	0345	2.1350	0.03000	2.1964	0.12540	0.04660	27	-0.49	1%	0
019.43	Calcium, ICP, Microwave (%)	0968	2.1595	0.00100	2.1964	0.12540	0.04660	27	-0.29	1%	0
019.43	Calcium, ICP, Microwave (%)	0682	2.1600	0.00000	2.1964	0.12540	0.04660	27	-0.29	1%	0
019.43	Calcium, ICP, Microwave (%)	0508	2.1619	0.00530	2.1964	0.12540	0.04660	27	-0.28	1%	0
019.43	Calcium, ICP, Microwave (%)	0010	2.1800	0.06000	2.1964	0.12540	0.04660	27	-0.13	0%	0
019.43	Calcium, ICP, Microwave (%)	0202	2.1935	0.02300	2.1964	0.12540	0.04660	27	-0.02	0%	0
019.43	Calcium, ICP, Microwave (%)	0098	2.1950	0.01000	2.1964	0.12540	0.04660	27	-0.01	0%	0
019.43	Calcium, ICP, Microwave (%)	0512	2.2075	0.03500	2.1964	0.12540	0.04660	27	0.09	0%	0
019.43	Calcium, ICP, Microwave (%)	0918	2.2155	0.08700	2.1964	0.12540	0.04660	27	0.15	0%	0
019.43	Calcium, ICP, Microwave (%)	0035	2.2200	0.10000	2.1964	0.12540	0.04660	27	0.19	1%	0
019.43	Calcium, ICP, Microwave (%)	0629	2.2300	0.06000	2.1964	0.12540	0.04660	27	0.27	1%	0
019.43	Calcium, ICP, Microwave (%)	0032	2.2325	0.05900	2.1964	0.12540	0.04660	27	0.29	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	
019.43	Calcium, ICP, Microwave (%)	2089	2.2400	0.00000	2.1964	0.12540	0.04660	27	0.35	1%	0
019.43	Calcium, ICP, Microwave (%)	0006	2.2565	0.08900	2.1964	0.12540	0.04660	27	0.48	1%	0
019.43	Calcium, ICP, Microwave (%)	0083	2.2700	0.04000	2.1964	0.12540	0.04660	27	0.59	2%	0
019.43	Calcium, ICP, Microwave (%)	0353	2.3300	0.10000	2.1964	0.12540	0.04660	27	1.07	3%	0
019.43	Calcium, ICP, Microwave (%)	0027	2.3490	0.01400	2.1964	0.12540	0.04660	27	1.22	3%	0
019.43	Calcium, ICP, Microwave (%)	0425	2.4550	0.09000	2.1964	0.12540	0.04660	27	2.06	6%	0
019.43	Calcium, ICP, Microwave (%)	0089	2.4650	0.01000	2.1964	0.12540	0.04660	27	2.14	6%	0
019.43	Calcium, ICP, Microwave (%)	0034	2.5320	0.17000	2.1964	0.12540	0.04660	27	2.68	8%	0
019.44	Calcium, ICP, Dry ash (%)	0955	2.1850	0.07000				2			0
019.44	Calcium, ICP, Dry ash (%)	0160	2.3334	0.02720				2			0
019.52	Calcium, ICP-MS, Open vessel (%)	0154	2.0059	0.11560				3			0
019.52	Calcium, ICP-MS, Open vessel (%)	0047	2.2000	0.00000				3			0
019.52	Calcium, ICP-MS, Open vessel (%)	0186	2.2500	0.02000				3			0
019.53	Calcium, ICP-MS, Microwave (%)	2066	1.7800	0.00000				2			0
019.53	Calcium, ICP-MS, Microwave (%)	0572	2.2500	0.04000				2			0
019.99	Calcium, Miscellaneous (%)	0590	1.5800	0.00000	2.0508	0.32102	0.03672	6	-1.47	11%	0
019.99	Calcium, Miscellaneous (%)	0889	1.8650	0.02030	2.0508	0.32102	0.03672	6	-0.58	5%	0
019.99	Calcium, Miscellaneous (%)	0676	2.0950	0.05000	2.0508	0.32102	0.03672	6	0.14	1%	0
019.99	Calcium, Miscellaneous (%)	0242	2.1700	0.04000	2.0508	0.32102	0.03672	6	0.37	3%	0
019.99	Calcium, Miscellaneous (%)	0100	2.2400	0.10000	2.0508	0.32102	0.03672	6	0.59	5%	0
019.99	Calcium, Miscellaneous (%)	2126	2.3550	0.01000	2.0508	0.32102	0.03672	6	0.95	7%	0
021.31	Cobalt, AAS, Dry ash (mg / kg (ppm))	0689	4.5500	0.10000				3			0
021.31	Cobalt, AAS, Dry ash (mg / kg (ppm))	0208	4.8150	0.15000				3			0
021.31	Cobalt, AAS, Dry ash (mg / kg (ppm))	0939	5.4700	0.46000				3			0
021.41	Cobalt, ICP, Dry ash (mg / kg (ppm))	0955	2.9250	0.19000				3			0
021.41	Cobalt, ICP, Dry ash (mg / kg (ppm))	0011	3.7855	0.15900				3			0
021.41	Cobalt, ICP, Dry ash (mg / kg (ppm))	0171	4.0500	0.02000				3			0
021.42	Cobalt, ICP, Open vessel (mg / kg (ppm))	0693	2.9895	0.44100	3.9236	0.86852	0.30775	4			0
021.42	Cobalt, ICP, Open vessel (mg / kg (ppm))	0045	3.5800	0.24000	3.9236	0.86852	0.30775	4			0
021.42	Cobalt, ICP, Open vessel (mg / kg (ppm))	2053	4.0850	0.19000	3.9236	0.86852	0.30775	4			0
021.42	Cobalt, ICP, Open vessel (mg / kg (ppm))	0560	5.0400	0.36000	3.9236	0.86852	0.30775	4			0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0675	2.6200	0.08000	4.1096	0.91858	0.12282	5			0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0345	3.9000	0.02000	4.1096	0.91858	0.12282	5			0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0169	4.3700	0.24000	4.1096	0.91858	0.12282	5			0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0510	4.7600	0.04000	4.1096	0.91858	0.12282	5			0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0508	4.8980	0.23410	4.1096	0.91858	0.12282	5			0
021.52	Cobalt, ICP-MS, Open vessel (mg / kg (ppm))	0910	2.7750	0.37000				3			0
021.52	Cobalt, ICP-MS, Open vessel (mg / kg (ppm))	0047	3.1800	0.02000				3			0
021.52	Cobalt, ICP-MS, Open vessel (mg / kg (ppm))	0186	16.500	27.000				3			0
021.53	Cobalt, ICP-MS, Microwave (mg / kg (ppm))	0918	2.7642	0.16590				3			0
021.53	Cobalt, ICP-MS, Microwave (mg / kg (ppm))	0098	5.1375	0.82900				3			0

Test Material Code # 201821

Method Proficiency Testing Report

Issue Date : 02/28/2018

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
021.53	Cobalt, ICP-MS, Microwave (mg / kg (ppm))	0032	5.7330	0.07200				3			0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0536	114.13	2.0500	121.15	7.3618	2.0557	14	-0.95	3%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0939	114.92	0.66000	121.15	7.3618	2.0557	14	-0.85	3%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0175	115.00	2.0000	121.15	7.3618	2.0557	14	-0.84	3%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0629	115.00	0.00000	121.15	7.3618	2.0557	14	-0.84	3%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0354	116.82	3.4400	121.15	7.3618	2.0557	14	-0.59	2%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0001	116.85	0.70000	121.15	7.3618	2.0557	14	-0.58	2%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	2188	118.00	2.0000	121.15	7.3618	2.0557	14	-0.43	1%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0723	121.00	0.00000	121.15	7.3618	2.0557	14	-0.02	0%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0208	122.00	6.0000	121.15	7.3618	2.0557	14	0.12	0%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0014	122.50	7.0000	121.15	7.3618	2.0557	14	0.18	1%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0868	126.52	0.63000	121.15	7.3618	2.0557	14	0.73	2%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	2196	129.00	0.00000	121.15	7.3618	2.0557	14	1.07	3%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	2195	134.79	1.8000	121.15	7.3618	2.0557	14	1.85	6%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0689	148.15	2.5000	121.15	7.3618	2.0557	14	3.67	11%	0
022.32	Copper, AAS, Open vessel (mg / kg (ppm))	0609	165.00	0.00000				1			0
022.33	Copper, AAS, Microwave (mg / kg (ppm))	0948	124.77	0.68900				3			0
022.33	Copper, AAS, Microwave (mg / kg (ppm))	0010	127.00	2.0000				3			0
022.33	Copper, AAS, Microwave (mg / kg (ppm))	2178	191.50	63.000				3			0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	2145	95.775	1.7700	117.27	4.9189	3.5851	20	-4.37	9%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0878	107.00	8.0000	117.27	4.9189	3.5851	20	-2.09	4%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0910	112.00	6.0000	117.27	4.9189	3.5851	20	-1.07	2%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0049	112.92	7.5500	117.27	4.9189	3.5851	20	-0.88	2%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0955	113.50	7.0000	117.27	4.9189	3.5851	20	-0.77	2%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	2152	115.03	0.20000	117.27	4.9189	3.5851	20	-0.45	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0358	115.77	10.900	117.27	4.9189	3.5851	20	-0.30	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0598	116.25	0.30000	117.27	4.9189	3.5851	20	-0.21	0%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0011	116.72	0.17500	117.27	4.9189	3.5851	20	-0.11	0%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0208	116.90	2.4000	117.27	4.9189	3.5851	20	-0.07	0%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0019	117.35	3.3000	117.27	4.9189	3.5851	20	0.02	0%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0407	118.04	0.67690	117.27	4.9189	3.5851	20	0.16	0%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0171	119.00	2.0000	117.27	4.9189	3.5851	20	0.35	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0405	119.05	1.9000	117.27	4.9189	3.5851	20	0.36	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0229	119.26	5.9300	117.27	4.9189	3.5851	20	0.40	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0520	119.50	3.0000	117.27	4.9189	3.5851	20	0.45	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0003	122.50	3.0000	117.27	4.9189	3.5851	20	1.06	2%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0098	122.50	2.6000	117.27	4.9189	3.5851	20	1.06	2%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0511	128.00	2.0000	117.27	4.9189	3.5851	20	2.18	5%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0226	136.50	3.0000	117.27	4.9189	3.5851	20	3.91	8%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0037	107.05	2.3000	124.50	11.299	4.3408	19	-1.54	7%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0263	107.89	0.31000	124.50	11.299	4.3408	19	-1.47	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	
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0870	113.10	4.4000	124.50	11.299	4.3408	19	-1.01	5%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0045	114.00	4.0000	124.50	11.299	4.3408	19	-0.93	4%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0278	117.90	1.2000	124.50	11.299	4.3408	19	-0.58	3%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0685	120.04	1.8400	124.50	11.299	4.3408	19	-0.39	2%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0726	120.50	0.80000	124.50	11.299	4.3408	19	-0.35	2%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0357	122.48	10.429	124.50	11.299	4.3408	19	-0.18	1%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0693	122.78	6.1970	124.50	11.299	4.3408	19	-0.15	1%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0190	123.59	2.1200	124.50	11.299	4.3408	19	-0.08	0%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0205	125.50	5.0000	124.50	11.299	4.3408	19	0.09	0%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0413	128.50	7.0000	124.50	11.299	4.3408	19	0.35	2%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0560	128.75	3.5000	124.50	11.299	4.3408	19	0.38	2%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0187	129.41	0.99000	124.50	11.299	4.3408	19	0.43	2%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0294	130.63	3.3900	124.50	11.299	4.3408	19	0.54	2%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0042	133.50	11.000	124.50	11.299	4.3408	19	0.80	4%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	2053	136.50	3.0000	124.50	11.299	4.3408	19	1.06	5%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0035	143.00	8.0000	124.50	11.299	4.3408	19	1.64	7%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0186	145.50	7.0000	124.50	11.299	4.3408	19	1.86	8%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0692	129.50	33.000	124.50	11.299	4.3408	19	0.44	2%	1
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0169	82.750	0.10000	119.78	7.2543	5.7231	22	-5.10	15%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0043	109.50	7.0000	119.78	7.2543	5.7231	22	-1.42	4%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0297	111.00	14.000	119.78	7.2543	5.7231	22	-1.21	4%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0034	111.30	4.2000	119.78	7.2543	5.7231	22	-1.17	4%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0345	114.50	1.0000	119.78	7.2543	5.7231	22	-0.73	2%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0918	115.91	1.1600	119.78	7.2543	5.7231	22	-0.53	2%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0353	116.50	5.0000	119.78	7.2543	5.7231	22	-0.45	1%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0629	117.00	10.000	119.78	7.2543	5.7231	22	-0.38	1%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0098	118.65	5.1000	119.78	7.2543	5.7231	22	-0.16	0%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	2089	119.24	12.140	119.78	7.2543	5.7231	22	-0.07	0%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0968	120.50	1.0000	119.78	7.2543	5.7231	22	0.10	0%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0202	120.78	0.15000	119.78	7.2543	5.7231	22	0.14	0%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0508	120.79	8.0800	119.78	7.2543	5.7231	22	0.14	0%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0512	120.85	6.7000	119.78	7.2543	5.7231	22	0.15	0%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0682	121.00	0.00000	119.78	7.2543	5.7231	22	0.17	1%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0425	123.60	1.2000	119.78	7.2543	5.7231	22	0.53	2%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0675	124.00	11.110	119.78	7.2543	5.7231	22	0.58	2%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0510	124.00	2.0000	119.78	7.2543	5.7231	22	0.58	2%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0083	127.50	3.0000	119.78	7.2543	5.7231	22	1.06	3%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0032	128.25	11.100	119.78	7.2543	5.7231	22	1.17	4%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0027	134.51	13.869	119.78	7.2543	5.7231	22	2.03	6%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0035	138.00	8.0000	119.78	7.2543	5.7231	22	2.51	8%	0
022.52	Copper, ICP-MS, Open vessel (mg / kg (ppm))	0016	81.150	8.3000				3			0

Test Material Code # 201821

Method Proficiency Testing Report

Issue Date : 02/28/2018

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
022.52	Copper, ICP-MS, Open vessel (mg / kg (ppm))	0047	121.85	8.1000				3			0
022.52	Copper, ICP-MS, Open vessel (mg / kg (ppm))	0186	125.00	2.0000				3			0
022.53	Copper, ICP-MS, Microwave (mg / kg (ppm))	2066	92.600	1.0000				2			0
022.53	Copper, ICP-MS, Microwave (mg / kg (ppm))	0572	120.50	3.0000				2			0
022.99	Copper, Miscellaneous (mg / kg (ppm))	0100	119.50	5.0000				3			0
022.99	Copper, Miscellaneous (mg / kg (ppm))	0590	122.50	1.0000				3			0
022.99	Copper, Miscellaneous (mg / kg (ppm))	0242	125.00	6.0000				3			0
023.01	Fluorine, Ion Sel Elect (mg / kg (ppm))	0910	28.900	0.00000				1			0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0536	29.325	5.2500	813.83	60.865	8.5862	13	-12.89	48%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0874	721.00	12.000	813.83	60.865	8.5862	13	-1.53	6%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0175	753.00	18.000	813.83	60.865	8.5862	13	-1.00	4%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0939	780.45	0.28000	813.83	60.865	8.5862	13	-0.55	2%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	2195	805.27	12.220	813.83	60.865	8.5862	13	-0.14	1%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0689	823.40	31.000	813.83	60.865	8.5862	13	0.16	1%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	2196	832.00	0.00000	813.83	60.865	8.5862	13	0.30	1%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0354	841.08	3.7100	813.83	60.865	8.5862	13	0.45	2%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0868	841.50	3.4600	813.83	60.865	8.5862	13	0.45	2%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0208	847.50	1.0000	813.83	60.865	8.5862	13	0.55	2%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	2188	856.00	20.000	813.83	60.865	8.5862	13	0.69	3%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0001	869.55	4.7000	813.83	60.865	8.5862	13	0.92	3%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0723	885.00	0.00000	813.83	60.865	8.5862	13	1.17	4%	0
025.32	Iron, AAS, Open vessel (mg / kg (ppm))	0609	627.00	8.0000				1			0
025.33	Iron, AAS, Microwave (mg / kg (ppm))	2178	911.00	96.000				2			0
025.33	Iron, AAS, Microwave (mg / kg (ppm))	0948	1,086.1	0.03100				2			0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0598	646.70	9.0000	792.63	33.739	9.5082	19	-4.33	9%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	2145	711.00	5.8000	792.63	33.739	9.5082	19	-2.42	5%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0407	755.87	2.5516	792.63	33.739	9.5082	19	-1.09	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	2152	761.92	1.0800	792.63	33.739	9.5082	19	-0.91	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0003	775.00	12.000	792.63	33.739	9.5082	19	-0.52	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0878	775.00	22.000	792.63	33.739	9.5082	19	-0.52	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0520	784.50	25.000	792.63	33.739	9.5082	19	-0.24	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0511	788.50	7.0000	792.63	33.739	9.5082	19	-0.12	0%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0171	789.50	9.0000	792.63	33.739	9.5082	19	-0.09	0%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0098	789.75	9.3000	792.63	33.739	9.5082	19	-0.09	0%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0208	792.10	18.800	792.63	33.739	9.5082	19	-0.02	0%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0229	797.30	0.53000	792.63	33.739	9.5082	19	0.14	0%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0011	806.20	0.50500	792.63	33.739	9.5082	19	0.40	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0910	812.50	45.000	792.63	33.739	9.5082	19	0.59	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0226	819.50	5.0000	792.63	33.739	9.5082	19	0.80	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0049	821.18	3.2000	792.63	33.739	9.5082	19	0.85	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0019	831.30	2.6000	792.63	33.739	9.5082	19	1.15	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			
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0358	832.63	0.29000	792.63	33.739	9.5082	19	1.19	3%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0405	1,031.0	2.0000	792.63	33.739	9.5082	19	7.07	15%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0955	709.00	82.000	792.63	33.739	9.5082	19	-2.48	5%	1
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0726	285.30	6.4000	669.65	152.02	21.707	13	-2.53	29%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0187	354.79	16.370	669.65	152.02	21.707	13	-2.07	24%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0190	480.72	35.600	669.65	152.02	21.707	13	-1.24	14%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0278	636.35	52.700	669.65	152.02	21.707	13	-0.22	2%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0560	658.65	7.5000	669.65	152.02	21.707	13	-0.07	1%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0692	694.50	35.000	669.65	152.02	21.707	13	0.16	2%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0294	700.25	0.10000	669.65	152.02	21.707	13	0.20	2%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0045	748.50	15.000	669.65	152.02	21.707	13	0.52	6%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0037	754.30	4.2000	669.65	152.02	21.707	13	0.56	6%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0870	760.00	51.000	669.65	152.02	21.707	13	0.59	7%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0413	768.00	6.0000	669.65	152.02	21.707	13	0.65	7%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0693	776.59	50.470	669.65	152.02	21.707	13	0.70	8%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0263	844.38	1.8500	669.65	152.02	21.707	13	1.15	13%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0042	599.00	220.00	669.65	152.02	21.707	13	-0.46	5%	1
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0169	520.00	2.0000	772.16	66.516	25.029	18	-3.79	16%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0968	671.50	9.0000	772.16	66.516	25.029	18	-1.51	7%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0345	691.00	2.0000	772.16	66.516	25.029	18	-1.22	5%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0353	736.00	20.000	772.16	66.516	25.029	18	-0.54	2%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0675	739.97	2.5500	772.16	66.516	25.029	18	-0.48	2%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2089	742.52	32.710	772.16	66.516	25.029	18	-0.45	2%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2192	743.00	38.000	772.16	66.516	25.029	18	-0.44	2%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0629	756.50	11.000	772.16	66.516	25.029	18	-0.24	1%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0918	764.42	47.770	772.16	66.516	25.029	18	-0.12	1%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0034	782.70	8.0000	772.16	66.516	25.029	18	0.16	1%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0425	789.80	8.8000	772.16	66.516	25.029	18	0.27	1%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0032	803.65	22.300	772.16	66.516	25.029	18	0.47	2%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0098	805.65	19.500	772.16	66.516	25.029	18	0.50	2%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0510	809.00	26.000	772.16	66.516	25.029	18	0.55	2%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0682	828.49	0.00000	772.16	66.516	25.029	18	0.85	4%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0083	839.50	29.000	772.16	66.516	25.029	18	1.01	4%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0297	850.00	124.00	772.16	66.516	25.029	18	1.17	5%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0512	873.35	47.900	772.16	66.516	25.029	18	1.52	7%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0508	881.82	150.40	772.16	66.516	25.029	18	1.65	7%	1
025.51	Iron, ICP-MS, Dry ash (mg / kg (ppm))	0160	640.00	146.00				1			0
025.52	Iron, ICP-MS, Open vessel (mg / kg (ppm))	0047	559.95	3.5000				2			0
025.52	Iron, ICP-MS, Open vessel (mg / kg (ppm))	0154	725.54	13.670				2			0
025.53	Iron, ICP-MS, Microwave (mg / kg (ppm))	2066	449.50	27.000				1			0
025.99	Iron, Miscellaneous (mg / kg (ppm))	0100	781.00	42.000				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			
025.99	Iron, Miscellaneous (mg / kg (ppm))	0242	827.00	26.000				2			0
027.31	Magnesium, AAS, Dry ash (%)	0536	0.40500	0.01000	0.91010	0.08535	0.01370	13	-5.92	28%	0
027.31	Magnesium, AAS, Dry ash (%)	2188	0.74000	0.00000	0.91010	0.08535	0.01370	13	-1.99	9%	0
027.31	Magnesium, AAS, Dry ash (%)	0939	0.84000	0.02000	0.91010	0.08535	0.01370	13	-0.82	4%	0
027.31	Magnesium, AAS, Dry ash (%)	0175	0.89500	0.01000	0.91010	0.08535	0.01370	13	-0.18	1%	0
027.31	Magnesium, AAS, Dry ash (%)	0354	0.90000	0.00000	0.91010	0.08535	0.01370	13	-0.12	1%	0
027.31	Magnesium, AAS, Dry ash (%)	0868	0.91000	0.00000	0.91010	0.08535	0.01370	13	0.00	0%	0
027.31	Magnesium, AAS, Dry ash (%)	0208	0.91650	0.02500	0.91010	0.08535	0.01370	13	0.07	0%	0
027.31	Magnesium, AAS, Dry ash (%)	0014	0.92200	0.01000	0.91010	0.08535	0.01370	13	0.14	1%	0
027.31	Magnesium, AAS, Dry ash (%)	0001	0.94320	0.00680	0.91010	0.08535	0.01370	13	0.39	2%	0
027.31	Magnesium, AAS, Dry ash (%)	0142	0.94485	0.01130	0.91010	0.08535	0.01370	13	0.41	2%	0
027.31	Magnesium, AAS, Dry ash (%)	0629	0.95000	0.02000	0.91010	0.08535	0.01370	13	0.47	2%	0
027.31	Magnesium, AAS, Dry ash (%)	0874	1.0075	0.04500	0.91010	0.08535	0.01370	13	1.14	5%	0
027.31	Magnesium, AAS, Dry ash (%)	0689	1.2300	0.02000	0.91010	0.08535	0.01370	13	3.75	18%	0
027.31	Magnesium, AAS, Dry ash (%)	2195	9,931.0	48.000	0.91010	0.08535	0.01370	13	116339.96	545548%	2
027.32	Magnesium, AAS, Open vessel (%)	0609	0.94500	0.01000				2			0
027.32	Magnesium, AAS, Open vessel (%)	0169	1.0300	0.12000				2			0
027.33	Magnesium, AAS, Microwave (%)	0010	0.92500	0.01000				3			0
027.33	Magnesium, AAS, Microwave (%)	0948	0.96050	0.00900				3			0
027.33	Magnesium, AAS, Microwave (%)	0612	1.0150	0.01000				3			0
027.41	Magnesium, ICP, Dry ash (%)	0511	0.86000	0.08000	0.93774	0.05584	0.02355	20	-1.39	4%	0
027.41	Magnesium, ICP, Dry ash (%)	0171	0.86600	0.00600	0.93774	0.05584	0.02355	20	-1.28	4%	0
027.41	Magnesium, ICP, Dry ash (%)	0098	0.89000	0.02000	0.93774	0.05584	0.02355	20	-0.85	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0049	0.89500	0.09000	0.93774	0.05584	0.02355	20	-0.77	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0910	0.90500	0.01000	0.93774	0.05584	0.02355	20	-0.59	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0598	0.90840	0.01000	0.93774	0.05584	0.02355	20	-0.53	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0011	0.91260	0.03400	0.93774	0.05584	0.02355	20	-0.45	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0139	0.91920	0.01100	0.93774	0.05584	0.02355	20	-0.33	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0003	0.93000	0.00000	0.93774	0.05584	0.02355	20	-0.14	0%	0
027.41	Magnesium, ICP, Dry ash (%)	2145	0.93000	0.00000	0.93774	0.05584	0.02355	20	-0.14	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0229	0.93300	0.01800	0.93774	0.05584	0.02355	20	-0.08	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0208	0.93400	0.01200	0.93774	0.05584	0.02355	20	-0.07	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0878	0.93500	0.01000	0.93774	0.05584	0.02355	20	-0.05	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0019	0.94500	0.03000	0.93774	0.05584	0.02355	20	0.13	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0413	0.94500	0.03000	0.93774	0.05584	0.02355	20	0.13	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0520	0.97000	0.06000	0.93774	0.05584	0.02355	20	0.58	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0407	1.0120	0.03200	0.93774	0.05584	0.02355	20	1.33	4%	0
027.41	Magnesium, ICP, Dry ash (%)	0358	1.0250	0.01000	0.93774	0.05584	0.02355	20	1.56	5%	0
027.41	Magnesium, ICP, Dry ash (%)	0226	1.0300	0.00000	0.93774	0.05584	0.02355	20	1.65	5%	0
027.41	Magnesium, ICP, Dry ash (%)	0405	1.0660	0.00800	0.93774	0.05584	0.02355	20	2.30	7%	0
027.42	Magnesium, ICP, Open vessel (%)	0294	0.87000	0.02000	0.92507	0.05246	0.02537	16	-1.05	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	
027.42	Magnesium, ICP, Open vessel (%)	0045	0.87150	0.08900	0.92507	0.05246	0.02537	16	-1.02	3%	0
027.42	Magnesium, ICP, Open vessel (%)	0870	0.87645	0.04650	0.92507	0.05246	0.02537	16	-0.93	3%	0
027.42	Magnesium, ICP, Open vessel (%)	0042	0.87750	0.03100	0.92507	0.05246	0.02537	16	-0.91	3%	0
027.42	Magnesium, ICP, Open vessel (%)	0693	0.88450	0.02900	0.92507	0.05246	0.02537	16	-0.77	2%	0
027.42	Magnesium, ICP, Open vessel (%)	0037	0.90000	0.02000	0.92507	0.05246	0.02537	16	-0.48	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0263	0.91275	0.00070	0.92507	0.05246	0.02537	16	-0.23	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0560	0.91600	0.01040	0.92507	0.05246	0.02537	16	-0.17	0%	0
027.42	Magnesium, ICP, Open vessel (%)	0187	0.92130	0.00120	0.92507	0.05246	0.02537	16	-0.07	0%	0
027.42	Magnesium, ICP, Open vessel (%)	0278	0.92500	0.01000	0.92507	0.05246	0.02537	16	0.00	0%	0
027.42	Magnesium, ICP, Open vessel (%)	0685	0.93500	0.01000	0.92507	0.05246	0.02537	16	0.19	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0357	0.94105	0.06010	0.92507	0.05246	0.02537	16	0.30	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0035	0.98000	0.02000	0.92507	0.05246	0.02537	16	1.05	3%	0
027.42	Magnesium, ICP, Open vessel (%)	0186	0.98250	0.02100	0.92507	0.05246	0.02537	16	1.09	3%	0
027.42	Magnesium, ICP, Open vessel (%)	0190	1.0450	0.03000	0.92507	0.05246	0.02537	16	2.29	6%	0
027.42	Magnesium, ICP, Open vessel (%)	0726	1.0775	0.00700	0.92507	0.05246	0.02537	16	2.91	8%	0
027.42	Magnesium, ICP, Open vessel (%)	0692	0.93000	0.20000	0.92507	0.05246	0.02537	16	0.09	0%	1
027.43	Magnesium, ICP, Microwave (%)	0297	0.86000	0.02000	0.93619	0.05135	0.01390	23	-1.48	4%	0
027.43	Magnesium, ICP, Microwave (%)	0032	0.87460	0.02960	0.93619	0.05135	0.01390	23	-1.20	3%	0
027.43	Magnesium, ICP, Microwave (%)	2089	0.87500	0.01000	0.93619	0.05135	0.01390	23	-1.19	3%	0
027.43	Magnesium, ICP, Microwave (%)	0098	0.88500	0.01000	0.93619	0.05135	0.01390	23	-1.00	3%	0
027.43	Magnesium, ICP, Microwave (%)	0345	0.89750	0.00700	0.93619	0.05135	0.01390	23	-0.75	2%	0
027.43	Magnesium, ICP, Microwave (%)	0510	0.90000	0.00000	0.93619	0.05135	0.01390	23	-0.70	2%	0
027.43	Magnesium, ICP, Microwave (%)	0918	0.90250	0.02500	0.93619	0.05135	0.01390	23	-0.66	2%	0
027.43	Magnesium, ICP, Microwave (%)	0353	0.91500	0.01000	0.93619	0.05135	0.01390	23	-0.41	1%	0
027.43	Magnesium, ICP, Microwave (%)	0034	0.91595	0.00670	0.93619	0.05135	0.01390	23	-0.39	1%	0
027.43	Magnesium, ICP, Microwave (%)	0035	0.92500	0.03000	0.93619	0.05135	0.01390	23	-0.22	1%	0
027.43	Magnesium, ICP, Microwave (%)	0682	0.93000	0.00000	0.93619	0.05135	0.01390	23	-0.12	0%	0
027.43	Magnesium, ICP, Microwave (%)	0006	0.93400	0.01400	0.93619	0.05135	0.01390	23	-0.04	0%	0
027.43	Magnesium, ICP, Microwave (%)	0512	0.93790	0.02560	0.93619	0.05135	0.01390	23	0.03	0%	0
027.43	Magnesium, ICP, Microwave (%)	0036	0.93850	0.00580	0.93619	0.05135	0.01390	23	0.04	0%	0
027.43	Magnesium, ICP, Microwave (%)	0202	0.94550	0.01700	0.93619	0.05135	0.01390	23	0.18	0%	0
027.43	Magnesium, ICP, Microwave (%)	0043	0.96050	0.00100	0.93619	0.05135	0.01390	23	0.47	1%	0
027.43	Magnesium, ICP, Microwave (%)	0675	0.96500	0.01000	0.93619	0.05135	0.01390	23	0.56	2%	0
027.43	Magnesium, ICP, Microwave (%)	0027	0.97000	0.01400	0.93619	0.05135	0.01390	23	0.66	2%	0
027.43	Magnesium, ICP, Microwave (%)	0083	0.98000	0.02000	0.93619	0.05135	0.01390	23	0.85	2%	0
027.43	Magnesium, ICP, Microwave (%)	0968	0.98400	0.00400	0.93619	0.05135	0.01390	23	0.93	3%	0
027.43	Magnesium, ICP, Microwave (%)	0629	1.0100	0.02000	0.93619	0.05135	0.01390	23	1.44	4%	0
027.43	Magnesium, ICP, Microwave (%)	0089	1.0500	0.00000	0.93619	0.05135	0.01390	23	2.22	6%	0
027.43	Magnesium, ICP, Microwave (%)	0425	1.0500	0.04000	0.93619	0.05135	0.01390	23	2.22	6%	0
027.43	Magnesium, ICP, Microwave (%)	0508	0.94910	0.15520	0.93619	0.05135	0.01390	23	0.25	1%	1
027.44	Magnesium, ICP, Dry ash (%)	0955	0.93200	0.01200				2			0

Test Material Code # 201821

Method Proficiency Testing Report

Issue Date : 02/28/2018

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
027.44	Magnesium, ICP, Dry ash (%)	0160	0.98680	0.03200				2			0
027.52	Magnesium, ICP-MS, Open vessel (%)	0154	0.90820	0.00040				3			0
027.52	Magnesium, ICP-MS, Open vessel (%)	0047	0.95000	0.04000				3			0
027.52	Magnesium, ICP-MS, Open vessel (%)	0186	0.96950	0.00500				3			0
027.53	Magnesium, ICP-MS, Microwave (%)	2066	0.73000	0.06000				2			0
027.53	Magnesium, ICP-MS, Microwave (%)	0572	0.98700	0.00400				2			0
027.99	Magnesium, Miscellaneous (%)	0889	0.68385	0.05550	0.87846	0.13117	0.03888	4			0
027.99	Magnesium, Miscellaneous (%)	0590	0.92500	0.01000	0.87846	0.13117	0.03888	4			0
027.99	Magnesium, Miscellaneous (%)	0242	0.93500	0.01000	0.87846	0.13117	0.03888	4			0
027.99	Magnesium, Miscellaneous (%)	0100	0.97000	0.08000	0.87846	0.13117	0.03888	4			0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	2188	259.00	8.0000	295.76	14.073	7.2321	14	-2.61	6%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0629	273.50	1.0000	295.76	14.073	7.2321	14	-1.58	4%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0689	278.95	12.300	295.76	14.073	7.2321	14	-1.19	3%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0175	291.00	18.000	295.76	14.073	7.2321	14	-0.34	1%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0536	293.98	6.2500	295.76	14.073	7.2321	14	-0.13	0%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0001	295.35	13.300	295.76	14.073	7.2321	14	-0.03	0%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	2196	298.00	0.00000	295.76	14.073	7.2321	14	0.16	0%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	2195	298.26	2.4400	295.76	14.073	7.2321	14	0.18	0%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0723	299.00	0.00000	295.76	14.073	7.2321	14	0.23	1%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0208	300.50	21.000	295.76	14.073	7.2321	14	0.34	1%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0939	303.92	2.7900	295.76	14.073	7.2321	14	0.58	1%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0014	308.00	12.000	295.76	14.073	7.2321	14	0.87	2%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0354	311.02	1.3000	295.76	14.073	7.2321	14	1.08	3%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0868	313.33	2.8700	295.76	14.073	7.2321	14	1.25	3%	0
028.32	Manganese, AAS, Open vessel (mg / kg (ppm))	0609	340.00	10.000				1			0
028.33	Manganese, AAS, Microwave (mg / kg (ppm))	0948	209.01	0.25300				2			0
028.33	Manganese, AAS, Microwave (mg / kg (ppm))	2178	273.50	167.00				2			0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	2145	257.20	1.8000	286.55	18.545	6.6324	18	-1.58	5%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0955	261.00	12.000	286.55	18.545	6.6324	18	-1.38	4%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0878	266.50	7.0000	286.55	18.545	6.6324	18	-1.08	3%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0226	275.50	1.0000	286.55	18.545	6.6324	18	-0.60	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0407	276.40	0.17610	286.55	18.545	6.6324	18	-0.55	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0520	278.50	9.0000	286.55	18.545	6.6324	18	-0.43	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0049	278.75	16.890	286.55	18.545	6.6324	18	-0.42	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0171	280.00	2.0000	286.55	18.545	6.6324	18	-0.35	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0511	281.50	3.0000	286.55	18.545	6.6324	18	-0.27	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0011	288.78	0.72700	286.55	18.545	6.6324	18	0.12	0%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0098	290.00	2.2000	286.55	18.545	6.6324	18	0.19	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0208	294.45	6.1000	286.55	18.545	6.6324	18	0.43	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0598	294.60	6.2000	286.55	18.545	6.6324	18	0.43	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0229	299.28	2.1400	286.55	18.545	6.6324	18	0.69	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	
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0019	302.10	10.200	286.55	18.545	6.6324	18	0.84	3%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0910	307.50	15.000	286.55	18.545	6.6324	18	1.13	4%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0003	311.00	4.0000	286.55	18.545	6.6324	18	1.32	4%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0358	313.27	19.950	286.55	18.545	6.6324	18	1.44	5%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0405	548.90	2.2000	286.55	18.545	6.6324	18	14.15	46%	2
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0692	237.00	14.000	292.27	28.007	5.6716	19	-1.97	9%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0685	251.66	0.05000	292.27	28.007	5.6716	19	-1.45	7%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0278	271.00	2.0000	292.27	28.007	5.6716	19	-0.76	4%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0693	271.66	0.93800	292.27	28.007	5.6716	19	-0.74	4%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0037	274.55	1.7000	292.27	28.007	5.6716	19	-0.63	3%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0263	276.40	2.3300	292.27	28.007	5.6716	19	-0.57	3%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0045	277.00	10.000	292.27	28.007	5.6716	19	-0.55	3%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0870	280.55	2.9000	292.27	28.007	5.6716	19	-0.42	2%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	2053	290.00	12.000	292.27	28.007	5.6716	19	-0.08	0%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0042	296.00	4.0000	292.27	28.007	5.6716	19	0.13	1%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0413	297.00	8.0000	292.27	28.007	5.6716	19	0.17	1%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0187	297.07	0.06000	292.27	28.007	5.6716	19	0.17	1%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0560	297.45	7.9000	292.27	28.007	5.6716	19	0.18	1%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0190	303.96	3.6300	292.27	28.007	5.6716	19	0.42	2%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0726	305.55	5.3000	292.27	28.007	5.6716	19	0.47	2%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0357	318.27	14.413	292.27	28.007	5.6716	19	0.93	4%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0035	327.00	6.0000	292.27	28.007	5.6716	19	1.24	6%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0186	333.50	11.000	292.27	28.007	5.6716	19	1.47	7%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0294	354.17	1.5400	292.27	28.007	5.6716	19	2.21	11%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0353	253.00	10.000	295.50	21.864	7.8770	22	-1.94	7%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0043	267.50	3.0000	295.50	21.864	7.8770	22	-1.28	5%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0918	274.22	0.54000	295.50	21.864	7.8770	22	-0.97	4%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0675	274.97	3.0600	295.50	21.864	7.8770	22	-0.94	3%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2089	275.10	13.850	295.50	21.864	7.8770	22	-0.93	3%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0510	278.00	6.0000	295.50	21.864	7.8770	22	-0.80	3%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0034	283.50	9.6000	295.50	21.864	7.8770	22	-0.55	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0345	284.00	6.0000	295.50	21.864	7.8770	22	-0.53	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0297	290.00	8.0000	295.50	21.864	7.8770	22	-0.25	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0968	293.00	2.0000	295.50	21.864	7.8770	22	-0.11	0%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0425	295.25	4.9000	295.50	21.864	7.8770	22	-0.01	0%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0098	296.65	0.50000	295.50	21.864	7.8770	22	0.05	0%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0508	298.88	29.470	295.50	21.864	7.8770	22	0.15	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0512	302.50	1.4000	295.50	21.864	7.8770	22	0.32	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0629	303.00	12.000	295.50	21.864	7.8770	22	0.34	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0682	304.99	0.00000	295.50	21.864	7.8770	22	0.43	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0032	306.05	3.3000	295.50	21.864	7.8770	22	0.48	2%	0

Test Material Code # 201821

Method Proficiency Testing Report

Issue Date : 02/28/2018

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0083	314.00	4.0000	295.50	21.864	7.8770	22	0.85	3%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0027	316.58	19.175	295.50	21.864	7.8770	22	0.96	4%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0202	323.44	2.5000	295.50	21.864	7.8770	22	1.28	5%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0035	330.00	0.00000	295.50	21.864	7.8770	22	1.58	6%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0169	371.00	34.000	295.50	21.864	7.8770	22	3.45	13%	0
028.52	Manganese, ICP-MS, Open vessel (mg / kg (ppm))	0047	308.25	4.1000				2			0
028.52	Manganese, ICP-MS, Open vessel (mg / kg (ppm))	0186	316.00	0.00000				2			0
028.53	Manganese, ICP-MS, Microwave (mg / kg (ppm))	2066	232.00	24.000				3			0
028.53	Manganese, ICP-MS, Microwave (mg / kg (ppm))	2192	265.58	32.840				3			0
028.53	Manganese, ICP-MS, Microwave (mg / kg (ppm))	0572	297.00	10.000				3			0
028.99	Manganese, Miscellaneous (mg / kg (ppm))	0590	297.00	12.000				3			0
028.99	Manganese, Miscellaneous (mg / kg (ppm))	0100	304.50	13.000				3			0
028.99	Manganese, Miscellaneous (mg / kg (ppm))	0242	304.50	1.0000				3			0
031.00	Phosphorus, Vol (%)	0895	0.91500	0.01000				1			0
031.01	Phosphorus, Photometric (%)	0152	0.75000	0.10000	0.86491	0.03732	0.01956	38	-3.08	7%	0
031.01	Phosphorus, Photometric (%)	2192	0.76000	0.08000	0.86491	0.03732	0.01956	38	-2.81	6%	0
031.01	Phosphorus, Photometric (%)	0885	0.76375	0.02210	0.86491	0.03732	0.01956	38	-2.71	6%	0
031.01	Phosphorus, Photometric (%)	0884	0.76500	0.01000	0.86491	0.03732	0.01956	38	-2.68	6%	0
031.01	Phosphorus, Photometric (%)	0874	0.81285	0.00330	0.86491	0.03732	0.01956	38	-1.40	3%	0
031.01	Phosphorus, Photometric (%)	0108	0.82000	0.00000	0.86491	0.03732	0.01956	38	-1.20	3%	0
031.01	Phosphorus, Photometric (%)	0511	0.82000	0.08000	0.86491	0.03732	0.01956	38	-1.20	3%	0
031.01	Phosphorus, Photometric (%)	0897	0.84000	0.00000	0.86491	0.03732	0.01956	38	-0.67	1%	0
031.01	Phosphorus, Photometric (%)	0035	0.84500	0.01000	0.86491	0.03732	0.01956	38	-0.53	1%	0
031.01	Phosphorus, Photometric (%)	0233	0.84500	0.01000	0.86491	0.03732	0.01956	38	-0.53	1%	0
031.01	Phosphorus, Photometric (%)	2109	0.84800	0.01800	0.86491	0.03732	0.01956	38	-0.45	1%	0
031.01	Phosphorus, Photometric (%)	0590	0.85000	0.00000	0.86491	0.03732	0.01956	38	-0.40	1%	0
031.01	Phosphorus, Photometric (%)	0868	0.85000	0.02000	0.86491	0.03732	0.01956	38	-0.40	1%	0
031.01	Phosphorus, Photometric (%)	2126	0.85500	0.01000	0.86491	0.03732	0.01956	38	-0.27	1%	0
031.01	Phosphorus, Photometric (%)	0689	0.86000	0.04000	0.86491	0.03732	0.01956	38	-0.13	0%	0
031.01	Phosphorus, Photometric (%)	2181	0.86000	0.02000	0.86491	0.03732	0.01956	38	-0.13	0%	0
031.01	Phosphorus, Photometric (%)	0609	0.86500	0.01000	0.86491	0.03732	0.01956	38	0.00	0%	0
031.01	Phosphorus, Photometric (%)	0878	0.86500	0.01000	0.86491	0.03732	0.01956	38	0.00	0%	0
031.01	Phosphorus, Photometric (%)	0939	0.86500	0.01000	0.86491	0.03732	0.01956	38	0.00	0%	0
031.01	Phosphorus, Photometric (%)	0142	0.86645	0.00330	0.86491	0.03732	0.01956	38	0.04	0%	0
031.01	Phosphorus, Photometric (%)	0849	0.86900	0.00200	0.86491	0.03732	0.01956	38	0.11	0%	0
031.01	Phosphorus, Photometric (%)	0354	0.87000	0.00000	0.86491	0.03732	0.01956	38	0.14	0%	0
031.01	Phosphorus, Photometric (%)	0683	0.87500	0.01000	0.86491	0.03732	0.01956	38	0.27	1%	0
031.01	Phosphorus, Photometric (%)	2009	0.87655	0.00170	0.86491	0.03732	0.01956	38	0.31	1%	0
031.01	Phosphorus, Photometric (%)	2195	0.88000	0.00000	0.86491	0.03732	0.01956	38	0.40	1%	0
031.01	Phosphorus, Photometric (%)	0653	0.88450	0.00700	0.86491	0.03732	0.01956	38	0.52	1%	0
031.01	Phosphorus, Photometric (%)	0723	0.88490	0.00000	0.86491	0.03732	0.01956	38	0.54	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	
031.01	Phosphorus, Photometric (%)	0629	0.88500	0.01000	0.86491	0.03732	0.01956	38	0.54	1%	0
031.01	Phosphorus, Photometric (%)	0016	0.88550	0.06300	0.86491	0.03732	0.01956	38	0.55	1%	0
031.01	Phosphorus, Photometric (%)	0881	0.88950	0.00100	0.86491	0.03732	0.01956	38	0.66	1%	0
031.01	Phosphorus, Photometric (%)	0948	0.89500	0.00400	0.86491	0.03732	0.01956	38	0.81	2%	0
031.01	Phosphorus, Photometric (%)	2188	0.89500	0.01000	0.86491	0.03732	0.01956	38	0.81	2%	0
031.01	Phosphorus, Photometric (%)	2196	0.90000	0.00000	0.86491	0.03732	0.01956	38	0.94	2%	0
031.01	Phosphorus, Photometric (%)	0208	0.90100	0.03600	0.86491	0.03732	0.01956	38	0.97	2%	0
031.01	Phosphorus, Photometric (%)	0175	0.91000	0.02000	0.86491	0.03732	0.01956	38	1.21	3%	0
031.01	Phosphorus, Photometric (%)	2006	0.92900	0.01200	0.86491	0.03732	0.01956	38	1.72	4%	0
031.01	Phosphorus, Photometric (%)	0687	0.95000	0.10000	0.86491	0.03732	0.01956	38	2.28	5%	0
031.01	Phosphorus, Photometric (%)	2022	0.96500	0.01000	0.86491	0.03732	0.01956	38	2.68	6%	0
031.02	Phosphorus, GQMP (AOAC 935.13-Extraction) (%)	0043	0.88800	0.00600				3			0
031.02	Phosphorus, GQMP (AOAC 935.13-Extraction) (%)	2053	0.89500	0.01000				3			0
031.02	Phosphorus, GQMP (AOAC 935.13-Extraction) (%)	0505	0.91000	0.02000				3			0
031.03	Phosphorus, Autoanalyzer (%)	0001	0.87600	0.01000				3			0
031.03	Phosphorus, Autoanalyzer (%)	0036	0.88410	0.01080				3			0
031.03	Phosphorus, Autoanalyzer (%)	0169	0.89500	0.05000				3			0
031.06	Phosphorus, Hach Method (%)	0536	0.81000	0.00000				1			0
031.41	Phosphorus, ICP, Dry ash (%)	0685	0.78500	0.01000	0.89712	0.07710	0.02292	22	-1.45	6%	0
031.41	Phosphorus, ICP, Dry ash (%)	0910	0.81000	0.02000	0.89712	0.07710	0.02292	22	-1.13	5%	0
031.41	Phosphorus, ICP, Dry ash (%)	0019	0.82000	0.04000	0.89712	0.07710	0.02292	22	-1.00	4%	0
031.41	Phosphorus, ICP, Dry ash (%)	0144	0.84500	0.05000	0.89712	0.07710	0.02292	22	-0.68	3%	0
031.41	Phosphorus, ICP, Dry ash (%)	0520	0.84500	0.03000	0.89712	0.07710	0.02292	22	-0.68	3%	0
031.41	Phosphorus, ICP, Dry ash (%)	0848	0.84500	0.01000	0.89712	0.07710	0.02292	22	-0.68	3%	0
031.41	Phosphorus, ICP, Dry ash (%)	0229	0.85050	0.04300	0.89712	0.07710	0.02292	22	-0.60	3%	0
031.41	Phosphorus, ICP, Dry ash (%)	0098	0.85885	0.00570	0.89712	0.07710	0.02292	22	-0.50	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0049	0.86500	0.07000	0.89712	0.07710	0.02292	22	-0.42	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	2145	0.86500	0.01000	0.89712	0.07710	0.02292	22	-0.42	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0413	0.88500	0.01000	0.89712	0.07710	0.02292	22	-0.16	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0139	0.89000	0.01400	0.89712	0.07710	0.02292	22	-0.09	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0011	0.89310	0.03340	0.89712	0.07710	0.02292	22	-0.05	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0407	0.89985	0.00150	0.89712	0.07710	0.02292	22	0.04	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0171	0.90000	0.00000	0.89712	0.07710	0.02292	22	0.04	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0208	0.93950	0.07900	0.89712	0.07710	0.02292	22	0.55	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0358	0.96000	0.00000	0.89712	0.07710	0.02292	22	0.82	4%	0
031.41	Phosphorus, ICP, Dry ash (%)	0598	0.96150	0.01760	0.89712	0.07710	0.02292	22	0.84	4%	0
031.41	Phosphorus, ICP, Dry ash (%)	0226	0.98000	0.00000	0.89712	0.07710	0.02292	22	1.07	5%	0
031.41	Phosphorus, ICP, Dry ash (%)	0405	1.0350	0.03000	0.89712	0.07710	0.02292	22	1.79	8%	0
031.41	Phosphorus, ICP, Dry ash (%)	0123	1.0700	0.00000	0.89712	0.07710	0.02292	22	2.24	10%	0
031.41	Phosphorus, ICP, Dry ash (%)	0003	1.1250	0.03000	0.89712	0.07710	0.02292	22	2.96	13%	0
031.42	Phosphorus, ICP, Open vessel (%)	0278	0.80000	0.06000	0.85843	0.03736	0.02281	19	-1.56	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	
031.42	Phosphorus, ICP, Open vessel (%)	0870	0.80765	0.04310	0.85843	0.03736	0.02281	19	-1.36	3%	0
031.42	Phosphorus, ICP, Open vessel (%)	0045	0.82300	0.00400	0.85843	0.03736	0.02281	19	-0.95	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0560	0.83035	0.00270	0.85843	0.03736	0.02281	19	-0.75	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0037	0.83500	0.01000	0.85843	0.03736	0.02281	19	-0.63	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0186	0.83750	0.02500	0.85843	0.03736	0.02281	19	-0.56	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0187	0.83885	0.00190	0.85843	0.03736	0.02281	19	-0.52	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0042	0.83950	0.05700	0.85843	0.03736	0.02281	19	-0.51	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0294	0.85000	0.02000	0.85843	0.03736	0.02281	19	-0.23	0%	0
031.42	Phosphorus, ICP, Open vessel (%)	0693	0.85950	0.04900	0.85843	0.03736	0.02281	19	0.03	0%	0
031.42	Phosphorus, ICP, Open vessel (%)	0035	0.86500	0.01000	0.85843	0.03736	0.02281	19	0.18	0%	0
031.42	Phosphorus, ICP, Open vessel (%)	0692	0.86500	0.03000	0.85843	0.03736	0.02281	19	0.18	0%	0
031.42	Phosphorus, ICP, Open vessel (%)	0357	0.87820	0.02840	0.85843	0.03736	0.02281	19	0.53	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0047	0.88000	0.06000	0.85843	0.03736	0.02281	19	0.58	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0726	0.88080	0.00220	0.85843	0.03736	0.02281	19	0.60	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0263	0.89635	0.00210	0.85843	0.03736	0.02281	19	1.02	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0190	0.90500	0.01000	0.85843	0.03736	0.02281	19	1.25	3%	0
031.42	Phosphorus, ICP, Open vessel (%)	0014	0.90600	0.00000	0.85843	0.03736	0.02281	19	1.27	3%	0
031.42	Phosphorus, ICP, Open vessel (%)	0205	0.91000	0.01800	0.85843	0.03736	0.02281	19	1.38	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0043	0.78500	0.03000	0.86723	0.04508	0.02435	25	-1.82	5%	0
031.43	Phosphorus, ICP, Microwave (%)	2089	0.82000	0.04000	0.86723	0.04508	0.02435	25	-1.05	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0010	0.82500	0.01000	0.86723	0.04508	0.02435	25	-0.94	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0918	0.82950	0.07500	0.86723	0.04508	0.02435	25	-0.84	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0675	0.83000	0.02000	0.86723	0.04508	0.02435	25	-0.83	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0345	0.83300	0.01000	0.86723	0.04508	0.02435	25	-0.76	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0035	0.83500	0.03000	0.86723	0.04508	0.02435	25	-0.71	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0297	0.84000	0.04000	0.86723	0.04508	0.02435	25	-0.60	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0629	0.84000	0.02000	0.86723	0.04508	0.02435	25	-0.60	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0034	0.84155	0.02110	0.86723	0.04508	0.02435	25	-0.57	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0353	0.85000	0.04000	0.86723	0.04508	0.02435	25	-0.38	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0968	0.85850	0.00300	0.86723	0.04508	0.02435	25	-0.19	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0006	0.86400	0.02600	0.86723	0.04508	0.02435	25	-0.07	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0027	0.86500	0.03000	0.86723	0.04508	0.02435	25	-0.05	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0510	0.87000	0.04000	0.86723	0.04508	0.02435	25	0.06	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0202	0.87550	0.00300	0.86723	0.04508	0.02435	25	0.18	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0682	0.88000	0.00000	0.86723	0.04508	0.02435	25	0.28	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0508	0.88240	0.03380	0.86723	0.04508	0.02435	25	0.34	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0036	0.89385	0.01470	0.86723	0.04508	0.02435	25	0.59	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0032	0.90675	0.03310	0.86723	0.04508	0.02435	25	0.88	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0098	0.91050	0.00940	0.86723	0.04508	0.02435	25	0.96	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0512	0.92605	0.03970	0.86723	0.04508	0.02435	25	1.30	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0083	0.95000	0.02000	0.86723	0.04508	0.02435	25	1.84	5%	0

Test Material Code # 201821

Method Proficiency Testing Report

Issue Date : 02/28/2018

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
031.43	Phosphorus, ICP, Microwave (%)	0089	0.98000	0.00000	0.86723	0.04508	0.02435	25	2.50	7%	0
031.43	Phosphorus, ICP, Microwave (%)	0425	1.0000	0.02000	0.86723	0.04508	0.02435	25	2.95	8%	0
031.44	Phosphorus, ICP, Dry ash (%)	0955	0.86100	0.00400				2			0
031.44	Phosphorus, ICP, Dry ash (%)	0160	0.90555	0.00550				2			0
031.52	Phosphorus, ICP-MS, Open vessel (%)	0154	0.79300	0.00300				2			0
031.52	Phosphorus, ICP-MS, Open vessel (%)	0186	0.85200	0.00800				2			0
031.53	Phosphorus, ICP-MS, Microwave (%)	2066	0.67000	0.06000				2			0
031.53	Phosphorus, ICP-MS, Microwave (%)	0572	0.91100	0.00400				2			0
031.99	Phosphorus, Miscellaneous (%)	0889	0.67880	0.00640	0.78520	0.08378	0.00760	4			0
031.99	Phosphorus, Miscellaneous (%)	0300	0.76200	0.00400	0.78520	0.08378	0.00760	4			0
031.99	Phosphorus, Miscellaneous (%)	0100	0.83000	0.02000	0.78520	0.08378	0.00760	4			0
031.99	Phosphorus, Miscellaneous (%)	0242	0.87000	0.00000	0.78520	0.08378	0.00760	4			0
032.08	Potassium, Ion-selective electrode (%)	2188	1.2550	0.05000				1			0
032.31	Potassium, AAS, Dry ash (%)	0868	0.18500	0.01000	1.2450	0.07660	0.02917	12	-13.84	43%	0
032.31	Potassium, AAS, Dry ash (%)	0536	1.0900	0.06000	1.2450	0.07660	0.02917	12	-2.02	6%	0
032.31	Potassium, AAS, Dry ash (%)	0014	1.2050	0.03000	1.2450	0.07660	0.02917	12	-0.52	2%	0
032.31	Potassium, AAS, Dry ash (%)	0175	1.2100	0.00000	1.2450	0.07660	0.02917	12	-0.46	1%	0
032.31	Potassium, AAS, Dry ash (%)	0354	1.2250	0.01000	1.2450	0.07660	0.02917	12	-0.26	1%	0
032.31	Potassium, AAS, Dry ash (%)	0629	1.2400	0.00000	1.2450	0.07660	0.02917	12	-0.06	0%	0
032.31	Potassium, AAS, Dry ash (%)	0874	1.2600	0.06000	1.2450	0.07660	0.02917	12	0.20	1%	0
032.31	Potassium, AAS, Dry ash (%)	0948	1.2955	0.00500	1.2450	0.07660	0.02917	12	0.66	2%	0
032.31	Potassium, AAS, Dry ash (%)	0208	1.3000	0.10000	1.2450	0.07660	0.02917	12	0.72	2%	0
032.31	Potassium, AAS, Dry ash (%)	0142	1.3090	0.00500	1.2450	0.07660	0.02917	12	0.84	3%	0
032.31	Potassium, AAS, Dry ash (%)	2053	1.3100	0.02000	1.2450	0.07660	0.02917	12	0.85	3%	0
032.31	Potassium, AAS, Dry ash (%)	0939	1.3250	0.05000	1.2450	0.07660	0.02917	12	1.04	3%	0
032.31	Potassium, AAS, Dry ash (%)	2195	12,720	325.00	1.2450	0.07660	0.02917	12	166043.54	510785%	2
032.32	Potassium, AAS, Open vessel (%)	0609	1.0450	0.03000				2			0
032.32	Potassium, AAS, Open vessel (%)	0169	1.2300	0.10000				2			0
032.33	Potassium, AAS, Microwave (%)	0612	1.3650	0.05000				1			0
032.41	Potassium, ICP, Dry ash (%)	0003	1.1600	0.02000	1.2746	0.06317	0.04126	20	-1.81	4%	0
032.41	Potassium, ICP, Dry ash (%)	0511	1.1850	0.11000	1.2746	0.06317	0.04126	20	-1.42	4%	0
032.41	Potassium, ICP, Dry ash (%)	0019	1.1900	0.06000	1.2746	0.06317	0.04126	20	-1.34	3%	0
032.41	Potassium, ICP, Dry ash (%)	0049	1.2250	0.07000	1.2746	0.06317	0.04126	20	-0.78	2%	0
032.41	Potassium, ICP, Dry ash (%)	0171	1.2370	0.00400	1.2746	0.06317	0.04126	20	-0.59	1%	0
032.41	Potassium, ICP, Dry ash (%)	0229	1.2385	0.04500	1.2746	0.06317	0.04126	20	-0.57	1%	0
032.41	Potassium, ICP, Dry ash (%)	0208	1.2430	0.05400	1.2746	0.06317	0.04126	20	-0.50	1%	0
032.41	Potassium, ICP, Dry ash (%)	0011	1.2538	0.04720	1.2746	0.06317	0.04126	20	-0.33	1%	0
032.41	Potassium, ICP, Dry ash (%)	0144	1.2550	0.13000	1.2746	0.06317	0.04126	20	-0.31	1%	0
032.41	Potassium, ICP, Dry ash (%)	0910	1.2600	0.02000	1.2746	0.06317	0.04126	20	-0.23	1%	0
032.41	Potassium, ICP, Dry ash (%)	0405	1.2825	0.01500	1.2746	0.06317	0.04126	20	0.13	0%	0
032.41	Potassium, ICP, Dry ash (%)	0878	1.3000	0.00000	1.2746	0.06317	0.04126	20	0.40	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
032.41	Potassium, ICP, Dry ash (%)	0139	1.3130	0.02000	1.2746	0.06317	0.04126	20	0.61	2%	0
032.41	Potassium, ICP, Dry ash (%)	0358	1.3200	0.04000	1.2746	0.06317	0.04126	20	0.72	2%	0
032.41	Potassium, ICP, Dry ash (%)	0413	1.3200	0.00000	1.2746	0.06317	0.04126	20	0.72	2%	0
032.41	Potassium, ICP, Dry ash (%)	0598	1.3235	0.01900	1.2746	0.06317	0.04126	20	0.77	2%	0
032.41	Potassium, ICP, Dry ash (%)	0098	1.3300	0.10000	1.2746	0.06317	0.04126	20	0.88	2%	0
032.41	Potassium, ICP, Dry ash (%)	0520	1.3300	0.06000	1.2746	0.06317	0.04126	20	0.88	2%	0
032.41	Potassium, ICP, Dry ash (%)	0407	1.3360	0.00090	1.2746	0.06317	0.04126	20	0.97	2%	0
032.41	Potassium, ICP, Dry ash (%)	0226	1.4450	0.01000	1.2746	0.06317	0.04126	20	2.70	7%	0
032.42	Potassium, ICP, Open vessel (%)	0278	1.2000	0.02000	1.2920	0.06141	0.04118	18	-1.50	4%	0
032.42	Potassium, ICP, Open vessel (%)	0693	1.2105	0.02100	1.2920	0.06141	0.04118	18	-1.33	3%	0
032.42	Potassium, ICP, Open vessel (%)	0870	1.2290	0.03000	1.2920	0.06141	0.04118	18	-1.03	2%	0
032.42	Potassium, ICP, Open vessel (%)	0560	1.2541	0.00530	1.2920	0.06141	0.04118	18	-0.62	1%	0
032.42	Potassium, ICP, Open vessel (%)	0037	1.2600	0.02000	1.2920	0.06141	0.04118	18	-0.52	1%	0
032.42	Potassium, ICP, Open vessel (%)	0692	1.2600	0.16000	1.2920	0.06141	0.04118	18	-0.52	1%	0
032.42	Potassium, ICP, Open vessel (%)	0042	1.2700	0.04000	1.2920	0.06141	0.04118	18	-0.36	1%	0
032.42	Potassium, ICP, Open vessel (%)	0045	1.2750	0.09000	1.2920	0.06141	0.04118	18	-0.28	1%	0
032.42	Potassium, ICP, Open vessel (%)	0294	1.2750	0.07000	1.2920	0.06141	0.04118	18	-0.28	1%	0
032.42	Potassium, ICP, Open vessel (%)	0187	1.2800	0.00000	1.2920	0.06141	0.04118	18	-0.20	0%	0
032.42	Potassium, ICP, Open vessel (%)	0205	1.2900	0.02000	1.2920	0.06141	0.04118	18	-0.03	0%	0
032.42	Potassium, ICP, Open vessel (%)	0035	1.3250	0.03000	1.2920	0.06141	0.04118	18	0.54	1%	0
032.42	Potassium, ICP, Open vessel (%)	0186	1.3350	0.01000	1.2920	0.06141	0.04118	18	0.70	2%	0
032.42	Potassium, ICP, Open vessel (%)	0357	1.3388	0.07520	1.2920	0.06141	0.04118	18	0.76	2%	0
032.42	Potassium, ICP, Open vessel (%)	0726	1.3500	0.00400	1.2920	0.06141	0.04118	18	0.94	2%	0
032.42	Potassium, ICP, Open vessel (%)	0047	1.3550	0.07000	1.2920	0.06141	0.04118	18	1.03	2%	0
032.42	Potassium, ICP, Open vessel (%)	0190	1.3700	0.04000	1.2920	0.06141	0.04118	18	1.27	3%	0
032.42	Potassium, ICP, Open vessel (%)	0263	1.3789	0.03570	1.2920	0.06141	0.04118	18	1.41	3%	0
032.43	Potassium, ICP, Microwave (%)	0035	1.1900	0.04000	1.2811	0.06071	0.02878	24	-1.50	4%	0
032.43	Potassium, ICP, Microwave (%)	0425	1.2100	0.04000	1.2811	0.06071	0.02878	24	-1.17	3%	0
032.43	Potassium, ICP, Microwave (%)	2089	1.2150	0.01000	1.2811	0.06071	0.02878	24	-1.09	3%	0
032.43	Potassium, ICP, Microwave (%)	0918	1.2295	0.04300	1.2811	0.06071	0.02878	24	-0.85	2%	0
032.43	Potassium, ICP, Microwave (%)	0881	1.2400	0.01400	1.2811	0.06071	0.02878	24	-0.68	2%	0
032.43	Potassium, ICP, Microwave (%)	0034	1.2425	0.00500	1.2811	0.06071	0.02878	24	-0.63	2%	0
032.43	Potassium, ICP, Microwave (%)	0098	1.2500	0.00000	1.2811	0.06071	0.02878	24	-0.51	1%	0
032.43	Potassium, ICP, Microwave (%)	0510	1.2500	0.02000	1.2811	0.06071	0.02878	24	-0.51	1%	0
032.43	Potassium, ICP, Microwave (%)	0297	1.2550	0.07000	1.2811	0.06071	0.02878	24	-0.43	1%	0
032.43	Potassium, ICP, Microwave (%)	0353	1.2550	0.01000	1.2811	0.06071	0.02878	24	-0.43	1%	0
032.43	Potassium, ICP, Microwave (%)	0629	1.2550	0.09000	1.2811	0.06071	0.02878	24	-0.43	1%	0
032.43	Potassium, ICP, Microwave (%)	0043	1.2650	0.01000	1.2811	0.06071	0.02878	24	-0.26	1%	0
032.43	Potassium, ICP, Microwave (%)	0345	1.2700	0.02000	1.2811	0.06071	0.02878	24	-0.18	0%	0
032.43	Potassium, ICP, Microwave (%)	0512	1.2790	0.05200	1.2811	0.06071	0.02878	24	-0.03	0%	0
032.43	Potassium, ICP, Microwave (%)	0036	1.2805	0.00330	1.2811	0.06071	0.02878	24	-0.01	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	
032.43	Potassium, ICP, Microwave (%)	0010	1.3050	0.07000	1.2811	0.06071	0.02878	24	0.39	1%	0
032.43	Potassium, ICP, Microwave (%)	0682	1.3100	0.00000	1.2811	0.06071	0.02878	24	0.48	1%	0
032.43	Potassium, ICP, Microwave (%)	0508	1.3130	0.04830	1.2811	0.06071	0.02878	24	0.53	1%	0
032.43	Potassium, ICP, Microwave (%)	0027	1.3155	0.05700	1.2811	0.06071	0.02878	24	0.57	1%	0
032.43	Potassium, ICP, Microwave (%)	0675	1.3400	0.02000	1.2811	0.06071	0.02878	24	0.97	2%	0
032.43	Potassium, ICP, Microwave (%)	0202	1.3590	0.01800	1.2811	0.06071	0.02878	24	1.28	3%	0
032.43	Potassium, ICP, Microwave (%)	0083	1.3950	0.03000	1.2811	0.06071	0.02878	24	1.88	4%	0
032.43	Potassium, ICP, Microwave (%)	0968	1.4240	0.02000	1.2811	0.06071	0.02878	24	2.35	6%	0
032.43	Potassium, ICP, Microwave (%)	0089	1.4800	0.00000	1.2811	0.06071	0.02878	24	3.28	8%	0
032.43	Potassium, ICP, Microwave (%)	0032	11.860	0.28000	1.2811	0.06071	0.02878	24	174.24	413%	2
032.44	Potassium, ICP, Dry ash (%)	0955	1.2600	0.02000				2			0
032.44	Potassium, ICP, Dry ash (%)	0160	1.3160	0.04330				2			0
032.52	Potassium, ICP-MS, Open vessel (%)	0154	1.2469	0.05180				2			0
032.52	Potassium, ICP-MS, Open vessel (%)	0186	1.2950	0.01000				2			0
032.53	Potassium, ICP-MS, Microwave (%)	2066	1.0050	0.07000				2			0
032.53	Potassium, ICP-MS, Microwave (%)	0572	1.3800	0.14000				2			0
032.99	Potassium, Miscellaneous (%)	0889	0.93475	0.01570	1.1853	0.16881	0.01618	4			0
032.99	Potassium, Miscellaneous (%)	0100	1.2350	0.03000	1.1853	0.16881	0.01618	4			0
032.99	Potassium, Miscellaneous (%)	0242	1.2800	0.00000	1.1853	0.16881	0.01618	4			0
032.99	Potassium, Miscellaneous (%)	0001	1.2915	0.01900	1.1853	0.16881	0.01618	4			0
033.00	Salt as chloride, Sol Cl (%)	0723	0.30680	0.00000	1.1544	0.09672	0.01783	13	-8.76	37%	0
033.00	Salt as chloride, Sol Cl (%)	0171	1.0200	0.06000	1.1544	0.09672	0.01783	13	-1.39	6%	0
033.00	Salt as chloride, Sol Cl (%)	0897	1.0650	0.03000	1.1544	0.09672	0.01783	13	-0.92	4%	0
033.00	Salt as chloride, Sol Cl (%)	0878	1.1200	0.02000	1.1544	0.09672	0.01783	13	-0.36	1%	0
033.00	Salt as chloride, Sol Cl (%)	0884	1.1200	0.02000	1.1544	0.09672	0.01783	13	-0.36	1%	0
033.00	Salt as chloride, Sol Cl (%)	0309	1.1581	0.02470	1.1544	0.09672	0.01783	13	0.04	0%	0
033.00	Salt as chloride, Sol Cl (%)	0675	1.1700	0.02000	1.1544	0.09672	0.01783	13	0.16	1%	0
033.00	Salt as chloride, Sol Cl (%)	0353	1.1800	0.02000	1.1544	0.09672	0.01783	13	0.26	1%	0
033.00	Salt as chloride, Sol Cl (%)	2009	1.1803	0.00280	1.1544	0.09672	0.01783	13	0.27	1%	0
033.00	Salt as chloride, Sol Cl (%)	0885	1.2078	0.01930	1.1544	0.09672	0.01783	13	0.55	2%	0
033.00	Salt as chloride, Sol Cl (%)	0539	1.2400	0.00000	1.1544	0.09672	0.01783	13	0.89	4%	0
033.00	Salt as chloride, Sol Cl (%)	0045	1.2600	0.00000	1.1544	0.09672	0.01783	13	1.09	5%	0
033.00	Salt as chloride, Sol Cl (%)	0881	1.2765	0.01500	1.1544	0.09672	0.01783	13	1.26	5%	0
033.00	Salt as chloride, Sol Cl (%)	0693	1.1040	0.11400	1.1544	0.09672	0.01783	13	-0.52	2%	1
033.01	Salt as chloride, Poten Cl (%)	0354	0.72500	0.01000	1.1990	0.03260	0.01325	23	-14.54	20%	0
033.01	Salt as chloride, Poten Cl (%)	0229	1.0580	0.00200	1.1990	0.03260	0.01325	23	-4.32	6%	0
033.01	Salt as chloride, Poten Cl (%)	0004	1.1700	0.02000	1.1990	0.03260	0.01325	23	-0.89	1%	0
033.01	Salt as chloride, Poten Cl (%)	0425	1.1700	0.00000	1.1990	0.03260	0.01325	23	-0.89	1%	0
033.01	Salt as chloride, Poten Cl (%)	2109	1.1700	0.03200	1.1990	0.03260	0.01325	23	-0.89	1%	0
033.01	Salt as chloride, Poten Cl (%)	0226	1.1800	0.02000	1.1990	0.03260	0.01325	23	-0.58	1%	0
033.01	Salt as chloride, Poten Cl (%)	0590	1.1800	0.00000	1.1990	0.03260	0.01325	23	-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 CI (%)	0683	1.1800	0.00000	1.1990	0.03260	0.01325	23	-0.58	1%	0
033.01	Salt as chloride, Poten CI (%)	0242	1.1850	0.03000	1.1990	0.03260	0.01325	23	-0.43	1%	0
033.01	Salt as chloride, Poten CI (%)	2146	1.1850	0.01000	1.1990	0.03260	0.01325	23	-0.43	1%	0
033.01	Salt as chloride, Poten CI (%)	0100	1.1950	0.01000	1.1990	0.03260	0.01325	23	-0.12	0%	0
033.01	Salt as chloride, Poten CI (%)	0413	1.1950	0.01000	1.1990	0.03260	0.01325	23	-0.12	0%	0
033.01	Salt as chloride, Poten CI (%)	0948	1.2020	0.00200	1.1990	0.03260	0.01325	23	0.09	0%	0
033.01	Salt as chloride, Poten CI (%)	0644	1.2097	0.03780	1.1990	0.03260	0.01325	23	0.33	0%	0
033.01	Salt as chloride, Poten CI (%)	0205	1.2100	0.00800	1.1990	0.03260	0.01325	23	0.34	0%	0
033.01	Salt as chloride, Poten CI (%)	0407	1.2135	0.00300	1.1990	0.03260	0.01325	23	0.45	1%	0
033.01	Salt as chloride, Poten CI (%)	0098	1.2150	0.01000	1.1990	0.03260	0.01325	23	0.49	1%	0
033.01	Salt as chloride, Poten CI (%)	0175	1.2250	0.01000	1.1990	0.03260	0.01325	23	0.80	1%	0
033.01	Salt as chloride, Poten CI (%)	0278	1.2300	0.02000	1.1990	0.03260	0.01325	23	0.95	1%	0
033.01	Salt as chloride, Poten CI (%)	0510	1.2300	0.02000	1.1990	0.03260	0.01325	23	0.95	1%	0
033.01	Salt as chloride, Poten CI (%)	0874	1.2350	0.03000	1.1990	0.03260	0.01325	23	1.11	2%	0
033.01	Salt as chloride, Poten CI (%)	0629	1.2500	0.02000	1.1990	0.03260	0.01325	23	1.57	2%	0
033.01	Salt as chloride, Poten CI (%)	0638	1.9900	0.00000	1.1990	0.03260	0.01325	23	24.26	33%	0
033.03	Salt as chloride, Quantab (%)	2076	0.85000	0.08000				2			0
033.03	Salt as chloride, Quantab (%)	0144	1.0450	0.09000				2			0
033.05	Salt as chloride, Ion Sel Electrode (%)	0868	0.53500	0.00200				3			0
033.05	Salt as chloride, Ion Sel Electrode (%)	0689	1.1600	0.02000				3			0
033.05	Salt as chloride, Ion Sel Electrode (%)	2043	1.7150	0.15000				3			0
033.99	Salt, Miscellaneous (%)	2181	1.0100	0.06000	1.1936	0.19547	0.03000	6	-0.94	8%	0
033.99	Salt, Miscellaneous (%)	0536	1.0650	0.05000	1.1936	0.19547	0.03000	6	-0.66	5%	0
033.99	Salt, Miscellaneous (%)	2073	1.1500	0.02000	1.1936	0.19547	0.03000	6	-0.22	2%	0
033.99	Salt, Miscellaneous (%)	0910	1.1600	0.02000	1.1936	0.19547	0.03000	6	-0.17	1%	0
033.99	Salt, Miscellaneous (%)	0682	1.2900	0.00000	1.1936	0.19547	0.03000	6	0.49	4%	0
033.99	Salt, Miscellaneous (%)	0358	1.9850	0.03000	1.1936	0.19547	0.03000	6	4.05	33%	0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0045	1.1950	0.29000	1.5850	0.32529	0.11500	4			0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0171	1.4600	0.06000	1.5850	0.32529	0.11500	4			0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0169	1.7500	0.04000	1.5850	0.32529	0.11500	4			0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0939	1.9350	0.07000	1.5850	0.32529	0.11500	4			0
034.31	Selenium, AAS, Dry ash (mg / kg (ppm))	2195	0.68200	0.05800				1			0
034.42	Selenium, ICP, Open vessel (mg / kg (ppm))	0692	3.0000	0.00000				1			0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	0675	1.6150	0.15000				3			0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	0955	1.7800	0.38000				3			0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	0036	2.8000	0.20000				3			0
034.52	Selenium, ICP-MS, Open vessel (mg / kg (ppm))	0047	1.9800	0.04000	2.3100	0.35686	0.04500	4			0
034.52	Selenium, ICP-MS, Open vessel (mg / kg (ppm))	0208	2.1850	0.03000	2.3100	0.35686	0.04500	4			0
034.52	Selenium, ICP-MS, Open vessel (mg / kg (ppm))	0186	2.2600	0.02000	2.3100	0.35686	0.04500	4			0
034.52	Selenium, ICP-MS, Open vessel (mg / kg (ppm))	0016	2.8150	0.09000	2.3100	0.35686	0.04500	4			0
034.52	Selenium, ICP-MS, Open vessel (mg / kg (ppm))	0910	2.3150	0.35000	2.3100	0.35686	0.04500	4			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			
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	2066	1.7400	0.04000	2.2732	0.42874	0.04665	4			0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0560	2.2340	0.06600	2.2732	0.42874	0.04665	4			0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0918	2.3338	0.05060	2.2732	0.42874	0.04665	4			0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0032	2.7850	0.03000	2.2732	0.42874	0.04665	4			0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0098	2.1990	0.22800	2.2732	0.42874	0.04665	4			1
034.99	Selenium, Miscellaneous (mg / kg (ppm))	0512	1.8755	0.03700				2			0
034.99	Selenium, Miscellaneous (mg / kg (ppm))	0190	2.2350	0.13000				2			0
035.01	Sodium, Ion-selective electrode (%)	2188	0.53500	0.01000				3			0
035.01	Sodium, Ion-selective electrode (%)	2006	0.64450	0.00100				3			0
035.01	Sodium, Ion-selective electrode (%)	0868	1.1800	0.00000				3			0
035.05	Sodium, Flame Emission (%)	0037	0.59500	0.01000				3			0
035.05	Sodium, Flame Emission (%)	0108	0.63500	0.03000				3			0
035.05	Sodium, Flame Emission (%)	2126	0.69500	0.01000				3			0
035.31	Sodium, AAS, Dry ash (%)	0175	0.55500	0.01000	0.61259	0.03942	0.01027	15	-1.46	5%	0
035.31	Sodium, AAS, Dry ash (%)	0233	0.55500	0.01000	0.61259	0.03942	0.01027	15	-1.46	5%	0
035.31	Sodium, AAS, Dry ash (%)	0536	0.57000	0.00000	0.61259	0.03942	0.01027	15	-1.08	3%	0
035.31	Sodium, AAS, Dry ash (%)	0689	0.59000	0.00000	0.61259	0.03942	0.01027	15	-0.57	2%	0
035.31	Sodium, AAS, Dry ash (%)	2188	0.59000	0.02000	0.61259	0.03942	0.01027	15	-0.57	2%	0
035.31	Sodium, AAS, Dry ash (%)	0629	0.60500	0.01000	0.61259	0.03942	0.01027	15	-0.19	1%	0
035.31	Sodium, AAS, Dry ash (%)	0723	0.61630	0.00000	0.61259	0.03942	0.01027	15	0.09	0%	0
035.31	Sodium, AAS, Dry ash (%)	0142	0.61960	0.00000	0.61259	0.03942	0.01027	15	0.18	1%	0
035.31	Sodium, AAS, Dry ash (%)	0868	0.62000	0.00000	0.61259	0.03942	0.01027	15	0.19	1%	0
035.31	Sodium, AAS, Dry ash (%)	0208	0.62750	0.00300	0.61259	0.03942	0.01027	15	0.38	1%	0
035.31	Sodium, AAS, Dry ash (%)	0948	0.63550	0.00300	0.61259	0.03942	0.01027	15	0.58	2%	0
035.31	Sodium, AAS, Dry ash (%)	0939	0.64000	0.02000	0.61259	0.03942	0.01027	15	0.70	2%	0
035.31	Sodium, AAS, Dry ash (%)	2196	0.64300	0.00000	0.61259	0.03942	0.01027	15	0.77	2%	0
035.31	Sodium, AAS, Dry ash (%)	0874	0.65200	0.07800	0.61259	0.03942	0.01027	15	1.00	3%	0
035.31	Sodium, AAS, Dry ash (%)	0354	0.67000	0.00000	0.61259	0.03942	0.01027	15	1.46	5%	0
035.31	Sodium, AAS, Dry ash (%)	2195	6,202.5	53.000	0.61259	0.03942	0.01027	15	157337.71	506199%	2
035.32	Sodium, AAS, Open vessel (%)	0169	0.62000	0.00000				2			0
035.32	Sodium, AAS, Open vessel (%)	0609	0.63500	0.01000				2			0
035.33	Sodium, AAS, Microwave (%)	0300	0.58000	0.02000				1			0
035.41	Sodium, ICP, Dry ash (%)	0144	0.59000	0.04000	0.63163	0.03901	0.02306	19	-1.07	3%	0
035.41	Sodium, ICP, Dry ash (%)	0019	0.59500	0.01000	0.63163	0.03901	0.02306	19	-0.94	3%	0
035.41	Sodium, ICP, Dry ash (%)	0171	0.59500	0.01000	0.63163	0.03901	0.02306	19	-0.94	3%	0
035.41	Sodium, ICP, Dry ash (%)	0049	0.60000	0.06000	0.63163	0.03901	0.02306	19	-0.81	3%	0
035.41	Sodium, ICP, Dry ash (%)	0229	0.60450	0.00700	0.63163	0.03901	0.02306	19	-0.70	2%	0
035.41	Sodium, ICP, Dry ash (%)	0878	0.60500	0.03000	0.63163	0.03901	0.02306	19	-0.68	2%	0
035.41	Sodium, ICP, Dry ash (%)	0910	0.60500	0.05000	0.63163	0.03901	0.02306	19	-0.68	2%	0
035.41	Sodium, ICP, Dry ash (%)	0520	0.61605	0.00490	0.63163	0.03901	0.02306	19	-0.40	1%	0
035.41	Sodium, ICP, Dry ash (%)	0208	0.61800	0.00200	0.63163	0.03901	0.02306	19	-0.35	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	
035.41	Sodium, ICP, Dry ash (%)	0598	0.62300	0.00780	0.63163	0.03901	0.02306	19	-0.22	1%	0
035.41	Sodium, ICP, Dry ash (%)	0413	0.62500	0.05000	0.63163	0.03901	0.02306	19	-0.17	1%	0
035.41	Sodium, ICP, Dry ash (%)	0098	0.63000	0.04000	0.63163	0.03901	0.02306	19	-0.04	0%	0
035.41	Sodium, ICP, Dry ash (%)	0407	0.63855	0.00150	0.63163	0.03901	0.02306	19	0.18	1%	0
035.41	Sodium, ICP, Dry ash (%)	0955	0.65400	0.06000	0.63163	0.03901	0.02306	19	0.57	2%	0
035.41	Sodium, ICP, Dry ash (%)	0139	0.66200	0.01000	0.63163	0.03901	0.02306	19	0.78	2%	0
035.41	Sodium, ICP, Dry ash (%)	0405	0.66950	0.01900	0.63163	0.03901	0.02306	19	0.97	3%	0
035.41	Sodium, ICP, Dry ash (%)	0226	0.73600	0.00600	0.63163	0.03901	0.02306	19	2.68	8%	0
035.41	Sodium, ICP, Dry ash (%)	0358	0.78500	0.01000	0.63163	0.03901	0.02306	19	3.93	12%	0
035.41	Sodium, ICP, Dry ash (%)	0123	1.0100	0.02000	0.63163	0.03901	0.02306	19	9.70	30%	0
035.42	Sodium, ICP, Open vessel (%)	0278	0.58000	0.02000	0.61735	0.02632	0.01426	14	-1.42	3%	0
035.42	Sodium, ICP, Open vessel (%)	0045	0.58650	0.01100	0.61735	0.02632	0.01426	14	-1.17	2%	0
035.42	Sodium, ICP, Open vessel (%)	0560	0.60035	0.00590	0.61735	0.02632	0.01426	14	-0.65	1%	0
035.42	Sodium, ICP, Open vessel (%)	0693	0.60850	0.00700	0.61735	0.02632	0.01426	14	-0.34	1%	0
035.42	Sodium, ICP, Open vessel (%)	0294	0.61000	0.02000	0.61735	0.02632	0.01426	14	-0.28	1%	0
035.42	Sodium, ICP, Open vessel (%)	0870	0.61000	0.02500	0.61735	0.02632	0.01426	14	-0.28	1%	0
035.42	Sodium, ICP, Open vessel (%)	0205	0.61200	0.00400	0.61735	0.02632	0.01426	14	-0.20	0%	0
035.42	Sodium, ICP, Open vessel (%)	0042	0.61250	0.05700	0.61735	0.02632	0.01426	14	-0.18	0%	0
035.42	Sodium, ICP, Open vessel (%)	0263	0.61425	0.00290	0.61735	0.02632	0.01426	14	-0.12	0%	0
035.42	Sodium, ICP, Open vessel (%)	0035	0.62000	0.00000	0.61735	0.02632	0.01426	14	0.10	0%	0
035.42	Sodium, ICP, Open vessel (%)	0187	0.62815	0.00030	0.61735	0.02632	0.01426	14	0.41	1%	0
035.42	Sodium, ICP, Open vessel (%)	0186	0.64700	0.02200	0.61735	0.02632	0.01426	14	1.13	2%	0
035.42	Sodium, ICP, Open vessel (%)	0190	0.68000	0.02000	0.61735	0.02632	0.01426	14	2.38	5%	0
035.42	Sodium, ICP, Open vessel (%)	0726	0.69470	0.00460	0.61735	0.02632	0.01426	14	2.94	6%	0
035.42	Sodium, ICP, Open vessel (%)	0692	0.60000	0.10000	0.61735	0.02632	0.01426	14	-0.66	1%	1
035.43	Sodium, ICP, Microwave (%)	2192	0.51000	0.02000	0.60887	0.05423	0.01340	21	-1.82	8%	0
035.43	Sodium, ICP, Microwave (%)	0881	0.53200	0.00400	0.60887	0.05423	0.01340	21	-1.42	6%	0
035.43	Sodium, ICP, Microwave (%)	0043	0.55450	0.00700	0.60887	0.05423	0.01340	21	-1.00	4%	0
035.43	Sodium, ICP, Microwave (%)	0035	0.56500	0.01000	0.60887	0.05423	0.01340	21	-0.81	4%	0
035.43	Sodium, ICP, Microwave (%)	0510	0.57350	0.00500	0.60887	0.05423	0.01340	21	-0.65	3%	0
035.43	Sodium, ICP, Microwave (%)	0098	0.57500	0.01000	0.60887	0.05423	0.01340	21	-0.62	3%	0
035.43	Sodium, ICP, Microwave (%)	0353	0.57500	0.01000	0.60887	0.05423	0.01340	21	-0.62	3%	0
035.43	Sodium, ICP, Microwave (%)	0032	0.58000	0.01240	0.60887	0.05423	0.01340	21	-0.53	2%	0
035.43	Sodium, ICP, Microwave (%)	0345	0.58300	0.00400	0.60887	0.05423	0.01340	21	-0.48	2%	0
035.43	Sodium, ICP, Microwave (%)	0297	0.60000	0.00000	0.60887	0.05423	0.01340	21	-0.16	1%	0
035.43	Sodium, ICP, Microwave (%)	0006	0.61300	0.01400	0.60887	0.05423	0.01340	21	0.08	0%	0
035.43	Sodium, ICP, Microwave (%)	0682	0.62000	0.00000	0.60887	0.05423	0.01340	21	0.21	1%	0
035.43	Sodium, ICP, Microwave (%)	0918	0.62200	0.00200	0.60887	0.05423	0.01340	21	0.24	1%	0
035.43	Sodium, ICP, Microwave (%)	0425	0.63500	0.01000	0.60887	0.05423	0.01340	21	0.48	2%	0
035.43	Sodium, ICP, Microwave (%)	2089	0.64000	0.02000	0.60887	0.05423	0.01340	21	0.57	3%	0
035.43	Sodium, ICP, Microwave (%)	0508	0.64180	0.05000	0.60887	0.05423	0.01340	21	0.61	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	
035.43	Sodium, ICP, Microwave (%)	0675	0.64500	0.03000	0.60887	0.05423	0.01340	21	0.67	3%	0
035.43	Sodium, ICP, Microwave (%)	0202	0.65850	0.01300	0.60887	0.05423	0.01340	21	0.92	4%	0
035.43	Sodium, ICP, Microwave (%)	0629	0.66500	0.05000	0.60887	0.05423	0.01340	21	1.04	5%	0
035.43	Sodium, ICP, Microwave (%)	0083	0.69500	0.01000	0.60887	0.05423	0.01340	21	1.59	7%	0
035.43	Sodium, ICP, Microwave (%)	0089	0.70000	0.00000	0.60887	0.05423	0.01340	21	1.68	7%	0
035.52	Sodium, ICP-MS, Open vessel (%)	0154	0.59515	0.00550				2			0
035.52	Sodium, ICP-MS, Open vessel (%)	0186	0.67250	0.01500				2			0
035.53	Sodium, ICP-MS, Microwave (%)	0572	0.64450	0.00300				1			0
035.99	Sodium, Miscellaneous (%)	0100	0.63000	0.02000				3			0
035.99	Sodium, Miscellaneous (%)	0242	0.63000	0.00000				3			0
035.99	Sodium, Miscellaneous (%)	0590	0.65500	0.03000				3			0
035.99	Sodium, Miscellaneous (%)	0889	0.36045	0.01850				3			2
036.04	Sulfur, LECO (%)	0229	0.30200	0.00800				3			0
036.04	Sulfur, LECO (%)	0226	0.31500	0.03000				3			0
036.04	Sulfur, LECO (%)	0015	0.53000	0.02000				3			0
036.42	Sulfur, ICP, Open vessel (%)	0870	0.26775	0.01590	0.31056	0.02682	0.01135	15	-1.60	7%	0
036.42	Sulfur, ICP, Open vessel (%)	0045	0.29200	0.01800	0.31056	0.02682	0.01135	15	-0.69	3%	0
036.42	Sulfur, ICP, Open vessel (%)	0708	0.29250	0.00100	0.31056	0.02682	0.01135	15	-0.67	3%	0
036.42	Sulfur, ICP, Open vessel (%)	0693	0.29300	0.01200	0.31056	0.02682	0.01135	15	-0.65	3%	0
036.42	Sulfur, ICP, Open vessel (%)	0171	0.29850	0.00100	0.31056	0.02682	0.01135	15	-0.45	2%	0
036.42	Sulfur, ICP, Open vessel (%)	0187	0.29890	0.00280	0.31056	0.02682	0.01135	15	-0.43	2%	0
036.42	Sulfur, ICP, Open vessel (%)	0035	0.30000	0.00000	0.31056	0.02682	0.01135	15	-0.39	2%	0
036.42	Sulfur, ICP, Open vessel (%)	0692	0.30000	0.04000	0.31056	0.02682	0.01135	15	-0.39	2%	0
036.42	Sulfur, ICP, Open vessel (%)	0407	0.30620	0.01740	0.31056	0.02682	0.01135	15	-0.16	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0560	0.31330	0.00940	0.31056	0.02682	0.01135	15	0.10	0%	0
036.42	Sulfur, ICP, Open vessel (%)	0278	0.32000	0.00000	0.31056	0.02682	0.01135	15	0.35	2%	0
036.42	Sulfur, ICP, Open vessel (%)	0357	0.32885	0.01870	0.31056	0.02682	0.01135	15	0.68	3%	0
036.42	Sulfur, ICP, Open vessel (%)	0294	0.34500	0.01000	0.31056	0.02682	0.01135	15	1.28	6%	0
036.42	Sulfur, ICP, Open vessel (%)	0186	0.34900	0.01400	0.31056	0.02682	0.01135	15	1.43	6%	0
036.42	Sulfur, ICP, Open vessel (%)	0037	0.37500	0.01000	0.31056	0.02682	0.01135	15	2.40	10%	0
036.43	Sulfur, ICP, Microwave (%)	0353	0.28000	0.02000	0.31394	0.02111	0.01219	13	-1.61	5%	0
036.43	Sulfur, ICP, Microwave (%)	0035	0.28500	0.03000	0.31394	0.02111	0.01219	13	-1.37	5%	0
036.43	Sulfur, ICP, Microwave (%)	2089	0.30000	0.00000	0.31394	0.02111	0.01219	13	-0.66	2%	0
036.43	Sulfur, ICP, Microwave (%)	0345	0.30500	0.00400	0.31394	0.02111	0.01219	13	-0.42	1%	0
036.43	Sulfur, ICP, Microwave (%)	0297	0.31000	0.02000	0.31394	0.02111	0.01219	13	-0.19	1%	0
036.43	Sulfur, ICP, Microwave (%)	0629	0.31000	0.00000	0.31394	0.02111	0.01219	13	-0.19	1%	0
036.43	Sulfur, ICP, Microwave (%)	0918	0.31000	0.01600	0.31394	0.02111	0.01219	13	-0.19	1%	0
036.43	Sulfur, ICP, Microwave (%)	0169	0.32000	0.00000	0.31394	0.02111	0.01219	13	0.29	1%	0
036.43	Sulfur, ICP, Microwave (%)	0032	0.32105	0.01710	0.31394	0.02111	0.01219	13	0.34	1%	0
036.43	Sulfur, ICP, Microwave (%)	0098	0.32175	0.00050	0.31394	0.02111	0.01219	13	0.37	1%	0
036.43	Sulfur, ICP, Microwave (%)	0202	0.33650	0.00100	0.31394	0.02111	0.01219	13	1.07	4%	0

Test Material Code # 201821

Method Proficiency Testing Report

Issue Date : 02/28/2018

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
036.43	Sulfur, ICP, Microwave (%)	0508	0.33965	0.04990	0.31394	0.02111	0.01219	13	1.22	4%	0
036.43	Sulfur, ICP, Microwave (%)	0510	0.34000	0.00000	0.31394	0.02111	0.01219	13	1.23	4%	0
036.52	Sulfur, ICP-MS, Open vessel (%)	0910	0.25245	0.00010				2			0
036.52	Sulfur, ICP-MS, Open vessel (%)	0186	0.32550	0.00500				2			0
036.99	Sulfur, Miscellaneous (%)	0889	0.30820	0.00460				2			0
036.99	Sulfur, Miscellaneous (%)	0242	0.32000	0.00000				2			0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	2188	362.00	10.000	428.20	16.972	9.6567	15	-3.90	8%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0629	404.50	11.000	428.20	16.972	9.6567	15	-1.40	3%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0874	417.50	15.000	428.20	16.972	9.6567	15	-0.63	1%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0868	418.99	2.1600	428.20	16.972	9.6567	15	-0.54	1%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	2195	420.57	3.3900	428.20	16.972	9.6567	15	-0.45	1%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0014	424.00	6.0000	428.20	16.972	9.6567	15	-0.25	0%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0723	425.00	0.00000	428.20	16.972	9.6567	15	-0.19	0%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0208	428.00	36.000	428.20	16.972	9.6567	15	-0.01	0%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0001	428.55	9.7000	428.20	16.972	9.6567	15	0.02	0%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0939	430.07	0.23000	428.20	16.972	9.6567	15	0.11	0%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0354	434.40	10.270	428.20	16.972	9.6567	15	0.37	1%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0689	437.00	5.8000	428.20	16.972	9.6567	15	0.52	1%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	2196	447.00	0.00000	428.20	16.972	9.6567	15	1.11	2%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0175	451.00	26.000	428.20	16.972	9.6567	15	1.34	3%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0536	461.90	9.3000	428.20	16.972	9.6567	15	1.99	4%	0
037.32	Zinc, AAS, Open vessel (mg / kg (ppm))	0609	477.50	5.0000				1			0
037.33	Zinc, AAS, Microwave (mg / kg (ppm))	0010	425.00	10.000				3			0
037.33	Zinc, AAS, Microwave (mg / kg (ppm))	0948	433.62	1.1760				3			0
037.33	Zinc, AAS, Microwave (mg / kg (ppm))	2178	436.00	14.000				3			0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0955	383.00	16.000	421.18	22.133	11.401	19	-1.73	5%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0878	388.00	6.0000	421.18	22.133	11.401	19	-1.50	4%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0049	389.95	26.000	421.18	22.133	11.401	19	-1.41	4%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0171	402.50	7.0000	421.18	22.133	11.401	19	-0.84	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0520	406.50	5.0000	421.18	22.133	11.401	19	-0.66	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0098	412.15	15.100	421.18	22.133	11.401	19	-0.41	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	2145	416.10	4.2000	421.18	22.133	11.401	19	-0.23	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0511	419.50	15.000	421.18	22.133	11.401	19	-0.08	0%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0019	421.55	4.5000	421.18	22.133	11.401	19	0.02	0%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0011	425.33	1.8100	421.18	22.133	11.401	19	0.19	0%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0229	425.43	36.660	421.18	22.133	11.401	19	0.19	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0598	425.90	12.000	421.18	22.133	11.401	19	0.21	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0407	430.85	1.8814	421.18	22.133	11.401	19	0.44	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0910	433.00	24.000	421.18	22.133	11.401	19	0.53	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0003	436.00	10.000	421.18	22.133	11.401	19	0.67	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0358	438.54	0.37000	421.18	22.133	11.401	19	0.78	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	
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0226	442.00	6.0000	421.18	22.133	11.401	19	0.94	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0208	446.80	23.000	421.18	22.133	11.401	19	1.16	3%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0405	546.85	2.1000	421.18	22.133	11.401	19	5.68	15%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0870	373.60	4.6000	414.14	31.445	10.590	17	-1.29	5%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0186	378.00	22.000	414.14	31.445	10.590	17	-1.15	4%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0692	383.50	11.000	414.14	31.445	10.590	17	-0.97	4%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0045	385.50	5.0000	414.14	31.445	10.590	17	-0.91	3%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0263	390.46	8.8200	414.14	31.445	10.590	17	-0.75	3%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0278	392.40	2.4000	414.14	31.445	10.590	17	-0.69	3%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0294	401.20	0.40000	414.14	31.445	10.590	17	-0.41	2%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0187	410.62	7.8400	414.14	31.445	10.590	17	-0.11	0%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0693	417.04	7.9160	414.14	31.445	10.590	17	0.09	0%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0037	417.60	15.400	414.14	31.445	10.590	17	0.11	0%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0560	418.85	13.900	414.14	31.445	10.590	17	0.15	1%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0042	429.00	20.000	414.14	31.445	10.590	17	0.47	2%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0357	437.73	18.587	414.14	31.445	10.590	17	0.75	3%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	2053	445.50	7.0000	414.14	31.445	10.590	17	1.00	4%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0413	450.00	28.000	414.14	31.445	10.590	17	1.14	4%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0190	454.06	1.6600	414.14	31.445	10.590	17	1.27	5%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0726	455.35	5.5000	414.14	31.445	10.590	17	1.31	5%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2192	340.26	13.780	413.92	35.203	10.557	22	-2.09	9%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0353	351.00	12.000	413.92	35.203	10.557	22	-1.79	8%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0169	375.50	5.0000	413.92	35.203	10.557	22	-1.09	5%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0345	376.00	6.0000	413.92	35.203	10.557	22	-1.08	5%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0034	382.25	13.100	413.92	35.203	10.557	22	-0.90	4%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2089	392.40	20.070	413.92	35.203	10.557	22	-0.61	3%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0043	393.00	12.000	413.92	35.203	10.557	22	-0.59	3%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0629	404.00	6.0000	413.92	35.203	10.557	22	-0.28	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0918	404.71	12.310	413.92	35.203	10.557	22	-0.26	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0508	412.84	23.650	413.92	35.203	10.557	22	-0.03	0%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0682	418.28	0.00000	413.92	35.203	10.557	22	0.12	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0032	422.35	6.7000	413.92	35.203	10.557	22	0.24	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0675	423.61	5.7200	413.92	35.203	10.557	22	0.28	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0098	424.45	3.5000	413.92	35.203	10.557	22	0.30	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0510	429.50	17.000	413.92	35.203	10.557	22	0.44	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0968	430.50	1.0000	413.92	35.203	10.557	22	0.47	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0202	432.38	2.1400	413.92	35.203	10.557	22	0.52	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0083	433.00	10.000	413.92	35.203	10.557	22	0.54	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0297	436.50	25.000	413.92	35.203	10.557	22	0.64	3%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0512	459.30	9.8000	413.92	35.203	10.557	22	1.29	5%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0027	470.76	20.990	413.92	35.203	10.557	22	1.61	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	
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0425	474.65	6.5000	413.92	35.203	10.557	22	1.73	7%	0
037.52	Zinc, ICP-MS, Open vessel (mg / kg (ppm))	0047	346.60	25.000				2			0
037.52	Zinc, ICP-MS, Open vessel (mg / kg (ppm))	0186	439.50	3.0000				2			0
037.53	Zinc, ICP-MS, Microwave (mg / kg (ppm))	2066	321.00	20.000				2			0
037.53	Zinc, ICP-MS, Microwave (mg / kg (ppm))	0572	440.50	17.000				2			0
037.99	Zinc, Miscellaneous (mg / kg (ppm))	0889	393.69	1.8483	430.42	27.895	11.962	4			0
037.99	Zinc, Miscellaneous (mg / kg (ppm))	0242	427.50	5.0000	430.42	27.895	11.962	4			0
037.99	Zinc, Miscellaneous (mg / kg (ppm))	0590	440.50	11.000	430.42	27.895	11.962	4			0
037.99	Zinc, Miscellaneous (mg / kg (ppm))	0100	460.00	30.000	430.42	27.895	11.962	4			0
038.41	Molybdenum, ICP, Dry ash (mg / kg (ppm))	0171	2.5500	0.00000				2			0
038.41	Molybdenum, ICP, Dry ash (mg / kg (ppm))	0226	2.5950	0.03000				2			0
038.42	Molybdenum, ICP, Open vessel (mg / kg (ppm))	0278	2.5650	0.15000				3			0
038.42	Molybdenum, ICP, Open vessel (mg / kg (ppm))	0693	2.9885	0.34900				3			0
038.42	Molybdenum, ICP, Open vessel (mg / kg (ppm))	0045	3.2900	0.44000				3			0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0345	2.4350	0.03000	2.8062	0.31054	0.23203	6	-1.20	7%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0353	2.5196	0.34340	2.8062	0.31054	0.23203	6	-0.92	5%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0169	2.8000	0.12000	2.8062	0.31054	0.23203	6	-0.02	0%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0508	2.9826	0.13880	2.8062	0.31054	0.23203	6	0.57	3%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0297	3.0000	0.76000	2.8062	0.31054	0.23203	6	0.62	3%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0510	3.1000	0.00000	2.8062	0.31054	0.23203	6	0.95	5%	0
038.52	Molybdenum, ICP-MS, Open vessel (mg / kg (ppm))	0910	2.7700	0.30000				2			0
038.52	Molybdenum, ICP-MS, Open vessel (mg / kg (ppm))	0186	3.0000	0.00000				2			0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	0098	2.6320	0.18800				2			0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	0918	2.7958	0.31630				2			0
040.42	Barium, ICP, Open vessel (mg / kg (ppm))	0560	23.615	0.05000				1			0
040.43	Barium, ICP, Microwave (mg / kg (ppm))	0508	23.783	0.53600				1			0
040.53	Barium, ICP-MS, Microwave (mg / kg (ppm))	0918	21.796	0.66140				1			0
041.43	Vanadium, ICP, Microwave (mg / kg (ppm))	0508	2.6696	0.18080				1			0
042.00	Chloride, Titrimetric (%)	0948	0.72950	0.00100				3			0
042.00	Chloride, Titrimetric (%)	0169	0.76000	0.00000				3			0
042.00	Chloride, Titrimetric (%)	0297	0.77500	0.03000				3			0
042.01	Chloride, Ion-selective electrode (%)	2188	0.74000	0.00000				1			0
101.01	Choline Chloride, Chem (mg / kg (ppm))	0939	1,429.0	90.000				1			0
103.02	Pantothenic Acid, LC (mg / kg (ppm))	0629	24.450	0.50000				1			0
104.00	Riboflavin, Fluorometric (mg / kg (ppm))	0171	20.500	1.0000				1			0
104.03	Riboflavin, LC (mg / kg (ppm))	0910	13.005	0.11000				2			0
104.03	Riboflavin, LC (mg / kg (ppm))	2192	15.950	1.5000				2			0
105.00	Thiamine, LC (mg / kg (ppm))	0629	8.0450	0.01000				2			0
105.00	Thiamine, LC (mg / kg (ppm))	0910	20.755	0.23000				2			0
106.00	Vitamin A, Color (KU / kg)	0171	9.5750	0.65000				1			0
106.01	Vitamin A, UV (KU / kg)	0098	10.395	4.0100				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	
106.02	Vitamin A, LC (KU / kg)	0875	5.1800	1.3400	11.295	5.5546	0.76225	16	-1.10	27%	0
106.02	Vitamin A, LC (KU / kg)	0910	6.4000	1.8000	11.295	5.5546	0.76225	16	-0.88	22%	0
106.02	Vitamin A, LC (KU / kg)	0004	7.2300	1.0600	11.295	5.5546	0.76225	16	-0.73	18%	0
106.02	Vitamin A, LC (KU / kg)	0689	7.9000	0.20000	11.295	5.5546	0.76225	16	-0.61	15%	0
106.02	Vitamin A, LC (KU / kg)	0610	8.1500	0.30000	11.295	5.5546	0.76225	16	-0.57	14%	0
106.02	Vitamin A, LC (KU / kg)	2053	9.4500	1.1000	11.295	5.5546	0.76225	16	-0.33	8%	0
106.02	Vitamin A, LC (KU / kg)	0512	9.6270	0.16400	11.295	5.5546	0.76225	16	-0.30	7%	0
106.02	Vitamin A, LC (KU / kg)	0003	9.8700	0.72000	11.295	5.5546	0.76225	16	-0.26	6%	0
106.02	Vitamin A, LC (KU / kg)	0918	9.8900	0.22000	11.295	5.5546	0.76225	16	-0.25	6%	0
106.02	Vitamin A, LC (KU / kg)	2103	9.9050	0.95000	11.295	5.5546	0.76225	16	-0.25	6%	0
106.02	Vitamin A, LC (KU / kg)	0676	10.350	0.12000	11.295	5.5546	0.76225	16	-0.17	4%	0
106.02	Vitamin A, LC (KU / kg)	0208	10.384	0.35300	11.295	5.5546	0.76225	16	-0.16	4%	0
106.02	Vitamin A, LC (KU / kg)	0169	17.500	1.0000	11.295	5.5546	0.76225	16	1.12	27%	0
106.02	Vitamin A, LC (KU / kg)	0905	20.627	0.16900	11.295	5.5546	0.76225	16	1.68	41%	0
106.02	Vitamin A, LC (KU / kg)	2066	25.750	2.7000	11.295	5.5546	0.76225	16	2.60	64%	0
106.02	Vitamin A, LC (KU / kg)	2196	50.390	0.00000	11.295	5.5546	0.76225	16	7.04	173%	0
106.02	Vitamin A, LC (KU / kg)	0675	24.565	6.1700	11.295	5.5546	0.76225	16	2.39	59%	1
108.01	Vitamin D3, LC, AOAC (KU / kg)	0169	7.0000	0.00000				1			0
108.02	Vitamin D3, LC (KU / kg)	0910	0.49500	0.05000	1.9320	2.0887	0.32500	4			0
108.02	Vitamin D3, LC (KU / kg)	0918	0.95050	0.05500	1.9320	2.0887	0.32500	4			0
108.02	Vitamin D3, LC (KU / kg)	0208	1.2525	0.65500	1.9320	2.0887	0.32500	4			0
108.02	Vitamin D3, LC (KU / kg)	0675	5.0300	0.54000	1.9320	2.0887	0.32500	4			0
109.02	Vitamin E, LC (IU/kg)	2053	485.00	6.0000	574.88	67.283	26.071	18	-1.34	8%	0
109.02	Vitamin E, LC (IU/kg)	0675	490.96	11.240	574.88	67.283	26.071	18	-1.25	7%	0
109.02	Vitamin E, LC (IU/kg)	0610	508.50	1.0000	574.88	67.283	26.071	18	-0.99	6%	0
109.02	Vitamin E, LC (IU/kg)	0590	517.00	28.000	574.88	67.283	26.071	18	-0.86	5%	0
109.02	Vitamin E, LC (IU/kg)	2103	520.00	42.000	574.88	67.283	26.071	18	-0.82	5%	0
109.02	Vitamin E, LC (IU/kg)	0955	536.50	87.000	574.88	67.283	26.071	18	-0.57	3%	0
109.02	Vitamin E, LC (IU/kg)	2066	540.50	75.000	574.88	67.283	26.071	18	-0.51	3%	0
109.02	Vitamin E, LC (IU/kg)	0676	564.48	5.1300	574.88	67.283	26.071	18	-0.15	1%	0
109.02	Vitamin E, LC (IU/kg)	2195	572.00	14.000	574.88	67.283	26.071	18	-0.04	0%	0
109.02	Vitamin E, LC (IU/kg)	0208	580.35	58.309	574.88	67.283	26.071	18	0.08	0%	0
109.02	Vitamin E, LC (IU/kg)	0098	586.50	9.0000	574.88	67.283	26.071	18	0.17	1%	0
109.02	Vitamin E, LC (IU/kg)	0723	601.39	0.00000	574.88	67.283	26.071	18	0.39	2%	0
109.02	Vitamin E, LC (IU/kg)	2196	605.18	0.00000	574.88	67.283	26.071	18	0.45	3%	0
109.02	Vitamin E, LC (IU/kg)	0918	620.50	51.000	574.88	67.283	26.071	18	0.68	4%	0
109.02	Vitamin E, LC (IU/kg)	0910	629.60	23.000	574.88	67.283	26.071	18	0.81	5%	0
109.02	Vitamin E, LC (IU/kg)	0027	637.75	2.6020	574.88	67.283	26.071	18	0.93	5%	0
109.02	Vitamin E, LC (IU/kg)	0905	730.00	50.000	574.88	67.283	26.071	18	2.31	13%	0
109.02	Vitamin E, LC (IU/kg)	0169	757.00	6.0000	574.88	67.283	26.071	18	2.71	16%	0
109.99	Vitamin E, Miscellaneous (IU/kg)	0171	559.50	11.000				1			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
111.00	Vitamin C, phosphorylated, LC (mg / kg (ppm))	2076	197.00	78.000				1			0
111.01	Vitamin C, Ascorbic Acid, LC (mkg/kg (ppm))	0918	48.700	1.2000				2			0
111.01	Vitamin C, Ascorbic Acid, LC (mkg/kg (ppm))	2066	138.50	5.0000				2			0
120.00	Alanine, Post-col Ninhydrin Der (%)	0910	0.79000	0.00000	0.84829	0.02259	0.00644	18	-2.58	3%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0652	0.82000	0.00000	0.84829	0.02259	0.00644	18	-1.25	2%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0859	0.82500	0.01680	0.84829	0.02259	0.00644	18	-1.03	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0968	0.83000	0.00000	0.84829	0.02259	0.00644	18	-0.81	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0870	0.83670	0.00620	0.84829	0.02259	0.00644	18	-0.51	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0878	0.83950	0.00900	0.84829	0.02259	0.00644	18	-0.39	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0354	0.84400	0.00200	0.84829	0.02259	0.00644	18	-0.19	0%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0571	0.84400	0.00800	0.84829	0.02259	0.00644	18	-0.19	0%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0872	0.84400	0.01000	0.84829	0.02259	0.00644	18	-0.19	0%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	2059	0.84600	0.00000	0.84829	0.02259	0.00644	18	-0.10	0%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0644	0.85000	0.01200	0.84829	0.02259	0.00644	18	0.08	0%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0918	0.85280	0.01600	0.84829	0.02259	0.00644	18	0.20	0%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	2196	0.85600	0.00000	0.84829	0.02259	0.00644	18	0.34	0%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0504	0.86000	0.02000	0.84829	0.02259	0.00644	18	0.52	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0675	0.86500	0.01000	0.84829	0.02259	0.00644	18	0.74	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0171	0.87750	0.00100	0.84829	0.02259	0.00644	18	1.29	2%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0868	0.88600	0.00200	0.84829	0.02259	0.00644	18	1.67	2%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0684	1.0375	0.00300	0.84829	0.02259	0.00644	18	8.38	11%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0941	0.88250	0.04300	0.84829	0.02259	0.00644	18	1.51	2%	1
120.02	Alanine, Post-col OPA Der (%)	0098	0.85650	0.01700				1			0
120.05	Alanine, Pre-col AQC Der (%)	0939	0.71000	0.00000				3			0
120.05	Alanine, Pre-col AQC Der (%)	0676	0.87500	0.01000				3			0
120.05	Alanine, Pre-col AQC Der (%)	2188	0.88500	0.01000				3			0
121.00	Arginine, Post-col Ninhydrin Der (%)	0870	1.0311	0.00600	1.1057	0.04094	0.01801	19	-1.82	3%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0968	1.0495	0.00100	1.1057	0.04094	0.01801	19	-1.37	3%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0859	1.0503	0.01960	1.1057	0.04094	0.01801	19	-1.35	3%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0878	1.0650	0.01800	1.1057	0.04094	0.01801	19	-0.99	2%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0504	1.0850	0.01000	1.1057	0.04094	0.01801	19	-0.51	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0652	1.0850	0.05000	1.1057	0.04094	0.01801	19	-0.51	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0171	1.0855	0.00100	1.1057	0.04094	0.01801	19	-0.49	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0354	1.0925	0.00100	1.1057	0.04094	0.01801	19	-0.32	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0868	1.1090	0.00800	1.1057	0.04094	0.01801	19	0.08	0%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0684	1.1125	0.00300	1.1057	0.04094	0.01801	19	0.17	0%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	2059	1.1195	0.00500	1.1057	0.04094	0.01801	19	0.34	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0918	1.1223	0.03650	1.1057	0.04094	0.01801	19	0.40	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0872	1.1295	0.00700	1.1057	0.04094	0.01801	19	0.58	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0910	1.1300	0.08000	1.1057	0.04094	0.01801	19	0.59	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0644	1.1335	0.01500	1.1057	0.04094	0.01801	19	0.68	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	
121.00	Arginine, Post-col Ninhydrin Der (%)	0675	1.1350	0.01000	1.1057	0.04094	0.01801	19	0.72	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0571	1.1455	0.00900	1.1057	0.04094	0.01801	19	0.97	2%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	2196	1.1470	0.00000	1.1057	0.04094	0.01801	19	1.01	2%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0941	1.1710	0.06200	1.1057	0.04094	0.01801	19	1.60	3%	0
121.02	Arginine, Post-col OPA Der (%)	0098	1.0990	0.01800				1			0
121.05	Arginine, Pre-col AQC Der (%)	0939	0.99500	0.15000				3			0
121.05	Arginine, Pre-col AQC Der (%)	2188	1.1550	0.01000				3			0
121.05	Arginine, Pre-col AQC Der (%)	0676	1.1650	0.03000				3			0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0859	1.6533	0.03180	1.7825	0.05114	0.01889	18	-2.53	4%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0870	1.7277	0.05600	1.7825	0.05114	0.01889	18	-1.07	2%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0910	1.7450	0.03000	1.7825	0.05114	0.01889	18	-0.73	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0968	1.7465	0.00700	1.7825	0.05114	0.01889	18	-0.70	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0504	1.7500	0.06000	1.7825	0.05114	0.01889	18	-0.64	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0872	1.7570	0.00400	1.7825	0.05114	0.01889	18	-0.50	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	2059	1.7585	0.00700	1.7825	0.05114	0.01889	18	-0.47	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0878	1.7710	0.01200	1.7825	0.05114	0.01889	18	-0.22	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0354	1.7740	0.00800	1.7825	0.05114	0.01889	18	-0.17	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0571	1.7750	0.01600	1.7825	0.05114	0.01889	18	-0.15	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0652	1.7750	0.03000	1.7825	0.05114	0.01889	18	-0.15	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0644	1.7825	0.00700	1.7825	0.05114	0.01889	18	0.00	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0684	1.8055	0.02500	1.7825	0.05114	0.01889	18	0.45	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0675	1.8150	0.01000	1.7825	0.05114	0.01889	18	0.64	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	2196	1.8210	0.00000	1.7825	0.05114	0.01889	18	0.75	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0868	1.8570	0.01200	1.7825	0.05114	0.01889	18	1.46	2%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0171	1.8620	0.00400	1.7825	0.05114	0.01889	18	1.55	2%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0918	1.8692	0.02030	1.7825	0.05114	0.01889	18	1.69	2%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0941	1.8030	0.11400	1.7825	0.05114	0.01889	18	0.40	1%	1
122.02	Aspartic, Post-col OPA Der (%)	0098	1.8120	0.02400				1			0
122.05	Aspartic, Pre-col AQC Der (%)	0939	1.6500	0.10000				3			0
122.05	Aspartic, Pre-col AQC Der (%)	2188	1.8350	0.07000				3			0
122.05	Aspartic, Pre-col AQC Der (%)	0676	1.8750	0.09000				3			0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0870	0.26255	0.00350	0.29946	0.01776	0.00376	18	-2.08	6%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0918	0.26500	0.01000	0.29946	0.01776	0.00376	18	-1.94	6%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0868	0.27950	0.00700	0.29946	0.01776	0.00376	18	-1.12	3%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0652	0.28500	0.01000	0.29946	0.01776	0.00376	18	-0.81	2%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0644	0.28800	0.00000	0.29946	0.01776	0.00376	18	-0.65	2%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0872	0.29400	0.00200	0.29946	0.01776	0.00376	18	-0.31	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	2196	0.29800	0.00000	0.29946	0.01776	0.00376	18	-0.08	0%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0571	0.29950	0.00300	0.29946	0.01776	0.00376	18	0.00	0%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0684	0.29950	0.00100	0.29946	0.01776	0.00376	18	0.00	0%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0968	0.30000	0.00000	0.29946	0.01776	0.00376	18	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	
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0878	0.30100	0.00800	0.29946	0.01776	0.00376	18	0.09	0%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0941	0.30100	0.00000	0.29946	0.01776	0.00376	18	0.09	0%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0171	0.31000	0.00200	0.29946	0.01776	0.00376	18	0.59	2%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	2059	0.31100	0.00600	0.29946	0.01776	0.00376	18	0.65	2%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0859	0.31110	0.00320	0.29946	0.01776	0.00376	18	0.66	2%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0504	0.32000	0.00000	0.29946	0.01776	0.00376	18	1.16	3%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0354	0.32100	0.00200	0.29946	0.01776	0.00376	18	1.21	4%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0675	0.35500	0.01000	0.29946	0.01776	0.00376	18	3.13	9%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0910	0.29000	0.02000	0.29946	0.01776	0.00376	18	-0.53	2%	1
124.02	Cysteine/Cystine, PAO Post-col OPA Der (%)	0098	0.31400	0.02400				1			0
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0723	0.30760	0.00000				3			0
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	2195	0.35000	0.00000				3			0
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	2188	0.38000	0.00000				3			0
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0939	0.26500	0.01000				3			1
125.00	Glutamic, Post-col Ninhydrin Der (%)	0171	2.6405	0.00300	2.9794	0.09086	0.03392	19	-3.73	6%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0859	2.8629	0.05970	2.9794	0.09086	0.03392	19	-1.28	2%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	2059	2.9030	0.01000	2.9794	0.09086	0.03392	19	-0.84	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0878	2.9165	0.03300	2.9794	0.09086	0.03392	19	-0.69	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0872	2.9345	0.00300	2.9794	0.09086	0.03392	19	-0.49	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0504	2.9350	0.07000	2.9794	0.09086	0.03392	19	-0.49	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	2196	2.9390	0.00000	2.9794	0.09086	0.03392	19	-0.44	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0571	2.9460	0.03600	2.9794	0.09086	0.03392	19	-0.37	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0868	2.9505	0.01500	2.9794	0.09086	0.03392	19	-0.32	0%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0354	2.9710	0.00400	2.9794	0.09086	0.03392	19	-0.09	0%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0968	2.9745	0.01100	2.9794	0.09086	0.03392	19	-0.05	0%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0644	2.9775	0.03500	2.9794	0.09086	0.03392	19	-0.02	0%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0652	2.9850	0.03000	2.9794	0.09086	0.03392	19	0.06	0%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0910	3.0200	0.12000	2.9794	0.09086	0.03392	19	0.45	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0870	3.0493	0.04170	2.9794	0.09086	0.03392	19	0.77	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0918	3.0826	0.00400	2.9794	0.09086	0.03392	19	1.14	2%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0941	3.0870	0.09400	2.9794	0.09086	0.03392	19	1.18	2%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0675	3.1550	0.05000	2.9794	0.09086	0.03392	19	1.93	3%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0684	3.2085	0.02500	2.9794	0.09086	0.03392	19	2.52	4%	0
125.02	Glutamic, Post-col OPA Der (%)	0098	2.9930	0.06600				1			0
125.05	Glutamic, Pre-col AQC Der (%)	0939	3.0300	0.18000				3			0
125.05	Glutamic, Pre-col AQC Der (%)	2188	3.0300	0.06000				3			0
125.05	Glutamic, Pre-col AQC Der (%)	0676	3.0950	0.09000				3			0
126.00	Glycine, Post-col Ninhydrin Der (%)	0870	0.79530	0.00220	0.84493	0.03651	0.00505	18	-1.36	3%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0859	0.79885	0.01610	0.84493	0.03651	0.00505	18	-1.26	3%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0171	0.80300	0.00000	0.84493	0.03651	0.00505	18	-1.15	2%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0652	0.81000	0.00000	0.84493	0.03651	0.00505	18	-0.96	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	
126.00	Glycine, Post-col Ninhydrin Der (%)	0910	0.82000	0.00000	0.84493	0.03651	0.00505	18	-0.68	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0354	0.83100	0.00000	0.84493	0.03651	0.00505	18	-0.38	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	2059	0.83800	0.00400	0.84493	0.03651	0.00505	18	-0.19	0%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0878	0.83850	0.00700	0.84493	0.03651	0.00505	18	-0.18	0%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0968	0.84000	0.00000	0.84493	0.03651	0.00505	18	-0.14	0%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0872	0.84600	0.00200	0.84493	0.03651	0.00505	18	0.03	0%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0571	0.84900	0.00800	0.84493	0.03651	0.00505	18	0.11	0%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0504	0.85500	0.01000	0.84493	0.03651	0.00505	18	0.28	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0675	0.86000	0.00000	0.84493	0.03651	0.00505	18	0.41	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0644	0.86050	0.00500	0.84493	0.03651	0.00505	18	0.43	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0918	0.88560	0.02260	0.84493	0.03651	0.00505	18	1.11	2%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	2196	0.88800	0.00000	0.84493	0.03651	0.00505	18	1.18	3%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0684	0.89200	0.01200	0.84493	0.03651	0.00505	18	1.29	3%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0868	0.89800	0.00200	0.84493	0.03651	0.00505	18	1.45	3%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0941	0.87950	0.05300	0.84493	0.03651	0.00505	18	0.95	2%	1
126.02	Glycine, Post-col OPA Der (%)	0098	0.86500	0.02200				1			0
126.05	Glycine, Pre-col AQC Der (%)	0939	0.75500	0.05000				3			0
126.05	Glycine, Pre-col AQC Der (%)	2188	0.83000	0.06000				3			0
126.05	Glycine, Pre-col AQC Der (%)	0676	0.91000	0.00000				3			0
127.00	Histidine, Post-col Ninhydrin Der (%)	0859	0.37480	0.00680	0.42332	0.02147	0.00585	18	-2.26	6%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0171	0.39500	0.00400	0.42332	0.02147	0.00585	18	-1.32	3%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0870	0.39800	0.00840	0.42332	0.02147	0.00585	18	-1.18	3%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	2059	0.40300	0.00600	0.42332	0.02147	0.00585	18	-0.95	2%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0571	0.41700	0.00400	0.42332	0.02147	0.00585	18	-0.29	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0968	0.41850	0.00300	0.42332	0.02147	0.00585	18	-0.22	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0354	0.41900	0.00000	0.42332	0.02147	0.00585	18	-0.20	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0684	0.41900	0.00200	0.42332	0.02147	0.00585	18	-0.20	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0918	0.41955	0.00610	0.42332	0.02147	0.00585	18	-0.18	0%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0910	0.42000	0.02000	0.42332	0.02147	0.00585	18	-0.15	0%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0872	0.42700	0.00400	0.42332	0.02147	0.00585	18	0.17	0%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0675	0.43000	0.00000	0.42332	0.02147	0.00585	18	0.31	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0868	0.43100	0.01000	0.42332	0.02147	0.00585	18	0.36	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0644	0.43650	0.00300	0.42332	0.02147	0.00585	18	0.61	2%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0941	0.43950	0.01300	0.42332	0.02147	0.00585	18	0.75	2%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0878	0.44450	0.00500	0.42332	0.02147	0.00585	18	0.99	3%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0504	0.46500	0.01000	0.42332	0.02147	0.00585	18	1.94	5%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	2196	0.46600	0.00000	0.42332	0.02147	0.00585	18	1.99	5%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0652	0.43000	0.04000	0.42332	0.02147	0.00585	18	0.31	1%	1
127.02	Histidine, Post-col OPA Der (%)	0098	0.41550	0.00500				1			0
127.05	Histidine, Pre-col AQC Der (%)	0939	0.36500	0.03000				3			0
127.05	Histidine, Pre-col AQC Der (%)	2188	0.40500	0.01000				3			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
127.05	Histidine, Pre-col AQC Der (%)	0676	0.41000	0.00000				3			0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0652	0.66000	0.00000	0.71862	0.03971	0.01053	19	-1.48	4%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0918	0.66680	0.02260	0.71862	0.03971	0.01053	19	-1.31	4%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0872	0.67900	0.00400	0.71862	0.03971	0.01053	19	-1.00	3%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0870	0.68395	0.03230	0.71862	0.03971	0.01053	19	-0.87	2%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0684	0.68450	0.00300	0.71862	0.03971	0.01053	19	-0.86	2%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0878	0.69300	0.02000	0.71862	0.03971	0.01053	19	-0.65	2%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0354	0.70100	0.00200	0.71862	0.03971	0.01053	19	-0.44	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0968	0.70750	0.01500	0.71862	0.03971	0.01053	19	-0.28	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	2059	0.71650	0.00700	0.71862	0.03971	0.01053	19	-0.05	0%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0910	0.72000	0.00000	0.71862	0.03971	0.01053	19	0.03	0%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0868	0.72550	0.01700	0.71862	0.03971	0.01053	19	0.17	0%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0571	0.72850	0.01300	0.71862	0.03971	0.01053	19	0.25	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0859	0.73190	0.01320	0.71862	0.03971	0.01053	19	0.33	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	2196	0.74700	0.00000	0.71862	0.03971	0.01053	19	0.71	2%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0644	0.75050	0.00300	0.71862	0.03971	0.01053	19	0.80	2%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0171	0.75250	0.00300	0.71862	0.03971	0.01053	19	0.85	2%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0941	0.76250	0.02500	0.71862	0.03971	0.01053	19	1.10	3%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0504	0.76500	0.01000	0.71862	0.03971	0.01053	19	1.17	3%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0675	0.79500	0.01000	0.71862	0.03971	0.01053	19	1.92	5%	0
128.02	Isoleucine, Post-col OPA Der (%)	0098	0.72950	0.00500				1			0
128.05	Isoleucine, Pre-col AQC Der (%)	0939	0.63000	0.04000				3			0
128.05	Isoleucine, Pre-col AQC Der (%)	0676	0.70500	0.01000				3			0
128.05	Isoleucine, Pre-col AQC Der (%)	2188	0.76000	0.02000				3			0
129.00	Leucine, Post-col Ninhydrin Der (%)	0652	1.2000	0.02000	1.2551	0.04084	0.00796	17	-1.35	2%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0968	1.2000	0.00000	1.2551	0.04084	0.00796	17	-1.35	2%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0870	1.2071	0.00210	1.2551	0.04084	0.00796	17	-1.18	2%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0878	1.2300	0.01200	1.2551	0.04084	0.00796	17	-0.62	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0872	1.2325	0.00100	1.2551	0.04084	0.00796	17	-0.55	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0354	1.2345	0.00300	1.2551	0.04084	0.00796	17	-0.51	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	2059	1.2465	0.00100	1.2551	0.04084	0.00796	17	-0.21	0%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	2196	1.2480	0.00000	1.2551	0.04084	0.00796	17	-0.17	0%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0859	1.2505	0.02430	1.2551	0.04084	0.00796	17	-0.11	0%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0910	1.2550	0.03000	1.2551	0.04084	0.00796	17	0.00	0%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0571	1.2695	0.01900	1.2551	0.04084	0.00796	17	0.35	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0684	1.2705	0.01100	1.2551	0.04084	0.00796	17	0.38	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0171	1.2840	0.00000	1.2551	0.04084	0.00796	17	0.71	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0644	1.2870	0.00600	1.2551	0.04084	0.00796	17	0.78	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0504	1.3000	0.00000	1.2551	0.04084	0.00796	17	1.10	2%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0918	1.3060	0.00290	1.2551	0.04084	0.00796	17	1.24	2%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0868	1.3425	0.00300	1.2551	0.04084	0.00796	17	2.14	3%	0

Test Material Code # 201821

Method Proficiency Testing Report

Issue Date : 02/28/2018

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
129.00	Leucine, Post-col Ninhydrin Der (%)	0941	1.3080	0.06600	1.2551	0.04084	0.00796	17	1.29	2%	1
129.00	Leucine, Post-col Ninhydrin Der (%)	0675	1.7750	0.01000	1.2551	0.04084	0.00796	17	12.73	21%	2
129.02	Leucine, Post-col OPA Der (%)	0098	1.2950	0.02600				1			0
129.05	Leucine, Pre-col AQC Der (%)	0939	1.0950	0.15000				3			0
129.05	Leucine, Pre-col AQC Der (%)	0676	1.2550	0.01000				3			0
129.05	Leucine, Pre-col AQC Der (%)	2188	65.155	127.69				3			0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0171	0.81100	0.00200	0.98639	0.04026	0.01258	20	-4.36	9%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0859	0.90570	0.01580	0.98639	0.04026	0.01258	20	-2.00	4%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0910	0.93500	0.03000	0.98639	0.04026	0.01258	20	-1.28	3%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0652	0.94000	0.00000	0.98639	0.04026	0.01258	20	-1.15	2%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0878	0.96300	0.00400	0.98639	0.04026	0.01258	20	-0.58	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0512	0.96340	0.00860	0.98639	0.04026	0.01258	20	-0.57	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	2059	0.97600	0.00000	0.98639	0.04026	0.01258	20	-0.26	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0684	0.97750	0.00500	0.98639	0.04026	0.01258	20	-0.22	0%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	2196	0.98200	0.00000	0.98639	0.04026	0.01258	20	-0.11	0%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0870	0.98725	0.02870	0.98639	0.04026	0.01258	20	0.02	0%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0571	0.99300	0.00000	0.98639	0.04026	0.01258	20	0.16	0%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0872	0.99900	0.00800	0.98639	0.04026	0.01258	20	0.31	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0644	1.0005	0.00100	0.98639	0.04026	0.01258	20	0.35	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0918	1.0068	0.06940	0.98639	0.04026	0.01258	20	0.51	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0675	1.0150	0.01000	0.98639	0.04026	0.01258	20	0.71	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0354	1.0180	0.00600	0.98639	0.04026	0.01258	20	0.79	2%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0968	1.0225	0.00500	0.98639	0.04026	0.01258	20	0.90	2%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0868	1.0230	0.00400	0.98639	0.04026	0.01258	20	0.91	2%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0941	1.0270	0.04400	0.98639	0.04026	0.01258	20	1.01	2%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0504	1.0950	0.01000	0.98639	0.04026	0.01258	20	2.70	6%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0848	0.89000	0.08000	0.98639	0.04026	0.01258	20	-2.39	5%	1
130.02	L-Lysine, Post-col OPA Der (%)	0098	0.99850	0.00700				1			0
130.05	L-Lysine, Pre-col AQC Der (%)	0014	0.90500	0.09000	0.97267	0.05723	0.01833	6	-1.18	3%	0
130.05	L-Lysine, Pre-col AQC Der (%)	0939	0.91500	0.01000	0.97267	0.05723	0.01833	6	-1.01	3%	0
130.05	L-Lysine, Pre-col AQC Der (%)	2188	0.98000	0.00000	0.97267	0.05723	0.01833	6	0.13	0%	0
130.05	L-Lysine, Pre-col AQC Der (%)	0676	1.0050	0.01000	0.97267	0.05723	0.01833	6	0.57	2%	0
130.05	L-Lysine, Pre-col AQC Der (%)	2195	1.0100	0.00000	0.97267	0.05723	0.01833	6	0.65	2%	0
130.05	L-Lysine, Pre-col AQC Der (%)	0723	1.0210	0.00000	0.97267	0.05723	0.01833	6	0.84	2%	0
130.05	L-Lysine, Pre-col AQC Der (%)	0027	1.0845	0.22300	0.97267	0.05723	0.01833	6	1.95	6%	1
130.99	L-Lysine, Miscellaneous (%)	2053	0.81950	0.03700				1			0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0868	0.23850	0.00300	0.30770	0.01996	0.00486	20	-3.47	11%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0652	0.27000	0.00000	0.30770	0.01996	0.00486	20	-1.89	6%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0859	0.27905	0.00490	0.30770	0.01996	0.00486	20	-1.44	5%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0684	0.29600	0.00400	0.30770	0.01996	0.00486	20	-0.59	2%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	2059	0.29650	0.00300	0.30770	0.01996	0.00486	20	-0.56	2%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0171	0.30000	0.00200	0.30770	0.01996	0.00486	20	-0.39	1%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0504	0.30000	0.00000	0.30770	0.01996	0.00486	20	-0.39	1%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	2196	0.30100	0.00000	0.30770	0.01996	0.00486	20	-0.34	1%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0941	0.30250	0.00500	0.30770	0.01996	0.00486	20	-0.26	1%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0878	0.30400	0.00200	0.30770	0.01996	0.00486	20	-0.19	1%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0968	0.30950	0.00300	0.30770	0.01996	0.00486	20	0.09	0%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0571	0.31450	0.00300	0.30770	0.01996	0.00486	20	0.34	1%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0354	0.31500	0.00000	0.30770	0.01996	0.00486	20	0.37	1%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0910	0.31500	0.01000	0.30770	0.01996	0.00486	20	0.37	1%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0872	0.31750	0.00100	0.30770	0.01996	0.00486	20	0.49	2%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0870	0.32190	0.00460	0.30770	0.01996	0.00486	20	0.71	2%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0918	0.32500	0.01000	0.30770	0.01996	0.00486	20	0.87	3%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0675	0.33000	0.02000	0.30770	0.01996	0.00486	20	1.12	4%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0512	0.33410	0.01160	0.30770	0.01996	0.00486	20	1.32	4%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0644	0.33700	0.01000	0.30770	0.01996	0.00486	20	1.47	5%	0
131.02	Methionine, PAO Post-col OPA Der (%)	0098	0.29650	0.02300				1			0
131.05	Methionine, PAO Pre-col AQC Der (%)	0939	0.25000	0.02000	0.29656	0.04744	0.00760	5			0
131.05	Methionine, PAO Pre-col AQC Der (%)	2195	0.26000	0.00000	0.29656	0.04744	0.00760	5			0
131.05	Methionine, PAO Pre-col AQC Der (%)	0014	0.29600	0.01800	0.29656	0.04744	0.00760	5			0
131.05	Methionine, PAO Pre-col AQC Der (%)	0723	0.30680	0.00000	0.29656	0.04744	0.00760	5			0
131.05	Methionine, PAO Pre-col AQC Der (%)	2188	0.37000	0.00000	0.29656	0.04744	0.00760	5			0
131.99	Methionine, Miscellaneous (%)	2053	0.23200	0.00400				1			0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0878	0.79700	0.00200	0.85156	0.02852	0.00896	18	-1.91	3%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0870	0.80860	0.00480	0.85156	0.02852	0.00896	18	-1.51	3%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0872	0.82700	0.00200	0.85156	0.02852	0.00896	18	-0.86	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0684	0.82850	0.00300	0.85156	0.02852	0.00896	18	-0.81	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	2196	0.83800	0.00000	0.85156	0.02852	0.00896	18	-0.48	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0868	0.84200	0.02000	0.85156	0.02852	0.00896	18	-0.34	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0941	0.84500	0.04200	0.85156	0.02852	0.00896	18	-0.23	0%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0354	0.84600	0.00000	0.85156	0.02852	0.00896	18	-0.19	0%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0171	0.84950	0.00100	0.85156	0.02852	0.00896	18	-0.07	0%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0859	0.85085	0.01690	0.85156	0.02852	0.00896	18	-0.02	0%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0968	0.85300	0.00000	0.85156	0.02852	0.00896	18	0.05	0%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0644	0.85550	0.00500	0.85156	0.02852	0.00896	18	0.14	0%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0571	0.85750	0.01500	0.85156	0.02852	0.00896	18	0.21	0%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0504	0.87000	0.00000	0.85156	0.02852	0.00896	18	0.65	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0675	0.87500	0.01000	0.85156	0.02852	0.00896	18	0.82	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	2059	0.88400	0.00000	0.85156	0.02852	0.00896	18	1.14	2%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0918	0.89665	0.01950	0.85156	0.02852	0.00896	18	1.58	3%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0652	0.91000	0.02000	0.85156	0.02852	0.00896	18	2.05	3%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0910	0.79500	0.07000	0.85156	0.02852	0.00896	18	-1.98	3%	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	0.84150	0.01300				1			0
132.05	Phenylalanine, Pre-col AQC Der (%)	0939	0.71500	0.07000				3			0
132.05	Phenylalanine, Pre-col AQC Der (%)	0676	0.80000	0.00000				3			0
132.05	Phenylalanine, Pre-col AQC Der (%)	2188	0.83000	0.02000				3			0
133.00	Proline, Post-col Ninhydrin Der (%)	0859	0.81775	0.02290	1.0369	0.07387	0.01735	19	-2.97	11%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0870	0.92045	0.02610	1.0369	0.07387	0.01735	19	-1.58	6%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0171	0.96200	0.00200	1.0369	0.07387	0.01735	19	-1.01	4%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0652	0.97500	0.03000	1.0369	0.07387	0.01735	19	-0.84	3%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0910	0.97500	0.05000	1.0369	0.07387	0.01735	19	-0.84	3%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0878	1.0010	0.01000	1.0369	0.07387	0.01735	19	-0.49	2%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0968	1.0160	0.00400	1.0369	0.07387	0.01735	19	-0.28	1%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0918	1.0296	0.02360	1.0369	0.07387	0.01735	19	-0.10	0%	0
133.00	Proline, Post-col Ninhydrin Der (%)	2059	1.0315	0.00900	1.0369	0.07387	0.01735	19	-0.07	0%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0354	1.0445	0.00500	1.0369	0.07387	0.01735	19	0.10	0%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0571	1.0445	0.00900	1.0369	0.07387	0.01735	19	0.10	0%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0872	1.0560	0.01800	1.0369	0.07387	0.01735	19	0.26	1%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0644	1.0630	0.02600	1.0369	0.07387	0.01735	19	0.35	1%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0684	1.0765	0.01900	1.0369	0.07387	0.01735	19	0.54	2%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0504	1.0900	0.00000	1.0369	0.07387	0.01735	19	0.72	3%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0941	1.0910	0.04200	1.0369	0.07387	0.01735	19	0.73	3%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0868	1.0985	0.00300	1.0369	0.07387	0.01735	19	0.83	3%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0675	1.1650	0.03000	1.0369	0.07387	0.01735	19	1.73	6%	0
133.00	Proline, Post-col Ninhydrin Der (%)	2196	1.2140	0.00000	1.0369	0.07387	0.01735	19	2.40	9%	0
133.05	Proline, Pre-col AQC Der (%)	0939	1.0650	0.03000				3			0
133.05	Proline, Pre-col AQC Der (%)	0676	1.0750	0.01000				3			0
133.05	Proline, Pre-col AQC Der (%)	2188	1.2650	0.01000				3			0
134.00	Serine, Post-col Ninhydrin Der (%)	0859	0.79320	0.01460	0.84830	0.03488	0.01249	18	-1.58	3%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0870	0.80760	0.01120	0.84830	0.03488	0.01249	18	-1.17	2%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0652	0.81500	0.03000	0.84830	0.03488	0.01249	18	-0.95	2%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0968	0.82050	0.00300	0.84830	0.03488	0.01249	18	-0.80	2%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0878	0.82550	0.01500	0.84830	0.03488	0.01249	18	-0.65	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0644	0.82750	0.00500	0.84830	0.03488	0.01249	18	-0.60	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	2059	0.82900	0.00400	0.84830	0.03488	0.01249	18	-0.55	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	2196	0.84100	0.00000	0.84830	0.03488	0.01249	18	-0.21	0%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0571	0.84600	0.00200	0.84830	0.03488	0.01249	18	-0.07	0%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0675	0.85000	0.02000	0.84830	0.03488	0.01249	18	0.05	0%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0872	0.85500	0.00800	0.84830	0.03488	0.01249	18	0.19	0%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0910	0.86000	0.04000	0.84830	0.03488	0.01249	18	0.34	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0941	0.86350	0.01500	0.84830	0.03488	0.01249	18	0.44	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0354	0.87400	0.00200	0.84830	0.03488	0.01249	18	0.74	2%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0868	0.87550	0.01100	0.84830	0.03488	0.01249	18	0.78	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	
134.00	Serine, Post-col Ninhydrin Der (%)	0684	0.88200	0.03200	0.84830	0.03488	0.01249	18	0.97	2%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0171	0.90950	0.00500	0.84830	0.03488	0.01249	18	1.75	4%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0918	0.91060	0.00700	0.84830	0.03488	0.01249	18	1.79	4%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0504	0.73000	0.10000	0.84830	0.03488	0.01249	18	-3.39	7%	1
134.02	Serine, Post-col OPA Der (%)	0098	0.80450	0.01700				1			0
134.05	Serine, Pre-col AQC Der (%)	0939	0.74000	0.06000				3			0
134.05	Serine, Pre-col AQC Der (%)	2188	0.85000	0.02000				3			0
134.05	Serine, Pre-col AQC Der (%)	0676	0.92000	0.04000				3			0
135.00	Threonine, Post-col Ninhydrin Der (%)	0859	0.62690	0.01340	0.68789	0.02950	0.00542	18	-2.07	4%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0652	0.64000	0.00000	0.68789	0.02950	0.00542	18	-1.62	3%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0878	0.66050	0.00700	0.68789	0.02950	0.00542	18	-0.93	2%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0910	0.66500	0.01000	0.68789	0.02950	0.00542	18	-0.78	2%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0968	0.67000	0.00000	0.68789	0.02950	0.00542	18	-0.61	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0870	0.67905	0.00250	0.68789	0.02950	0.00542	18	-0.30	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0872	0.67950	0.00300	0.68789	0.02950	0.00542	18	-0.28	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	2059	0.68250	0.00300	0.68789	0.02950	0.00542	18	-0.18	0%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0644	0.68300	0.00400	0.68789	0.02950	0.00542	18	-0.17	0%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0571	0.68400	0.00600	0.68789	0.02950	0.00542	18	-0.13	0%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	2196	0.69200	0.00000	0.68789	0.02950	0.00542	18	0.14	0%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0941	0.69650	0.01300	0.68789	0.02950	0.00542	18	0.29	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0868	0.70450	0.00500	0.68789	0.02950	0.00542	18	0.56	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0354	0.70650	0.00300	0.68789	0.02950	0.00542	18	0.63	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0675	0.71500	0.01000	0.68789	0.02950	0.00542	18	0.92	2%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0684	0.72100	0.00400	0.68789	0.02950	0.00542	18	1.12	2%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0918	0.72360	0.01360	0.68789	0.02950	0.00542	18	1.21	3%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0171	0.75000	0.00000	0.68789	0.02950	0.00542	18	2.11	5%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0504	0.66500	0.03000	0.68789	0.02950	0.00542	18	-0.78	2%	1
135.02	Threonine, Post-col OPA Der (%)	0098	0.69100	0.00600				1			0
135.05	Threonine, Pre-col AQC Der (%)	2195	0.66000	0.00000	0.71125	0.04090	0.00750	4			0
135.05	Threonine, Pre-col AQC Der (%)	0939	0.70000	0.00000	0.71125	0.04090	0.00750	4			0
135.05	Threonine, Pre-col AQC Der (%)	0676	0.73000	0.02000	0.71125	0.04090	0.00750	4			0
135.05	Threonine, Pre-col AQC Der (%)	2188	0.75500	0.01000	0.71125	0.04090	0.00750	4			0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0870	0.18020	0.00060	0.23180	0.04015	0.00665	4			0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0910	0.22000	0.00000	0.23180	0.04015	0.00665	4			0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0918	0.26000	0.02000	0.23180	0.04015	0.00665	4			0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0684	0.26700	0.00600	0.23180	0.04015	0.00665	4			0
136.01	Tryptophan, Alka-Hydrol Rev Phase LC UV (%)	0868	0.23200	0.01000				3			0
136.01	Tryptophan, Alka-Hydrol Rev Phase LC UV (%)	0878	0.26400	0.00200				3			0
136.01	Tryptophan, Alka-Hydrol Rev Phase LC UV (%)	0644	0.28150	0.00100				3			0
136.02	Tryptophan, Alka-Hydrol Post-col OPA De (%)	0098	0.24650	0.01100				1			0
136.03	Tryptophan, Alka-Hydrol + IS RP LC FI (%)	2059	0.26300	0.00200	0.26714	0.00512	0.00338	4			0

Test Material Code # 201821

Method Proficiency Testing Report

Issue Date : 02/28/2018

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
136.03	Tryptophan, Alka-Hydrol + IS RP LC FI (%)	0872	0.26450	0.00500	0.26714	0.00512	0.00338	4		0	
136.03	Tryptophan, Alka-Hydrol + IS RP LC FI (%)	0859	0.26655	0.00550	0.26714	0.00512	0.00338	4		0	
136.03	Tryptophan, Alka-Hydrol + IS RP LC FI (%)	0571	0.27450	0.00100	0.26714	0.00512	0.00338	4		0	
136.99	Tryptophan, Miscellaneous (%)	0504	0.22000	0.00000				1		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0910	0.47500	0.05000	0.54450	0.04756	0.02100	4		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0872	0.55250	0.00500	0.54450	0.04756	0.02100	4		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	2059	0.57500	0.00600	0.54450	0.04756	0.02100	4		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0644	0.57550	0.02300	0.54450	0.04756	0.02100	4		0	
137.02	Tyrosine, Post-col OPA Der (%)	0870	0.45700	0.00820	0.53200	0.06035	0.00505	4		0	
137.02	Tyrosine, Post-col OPA Der (%)	0354	0.51000	0.00000	0.53200	0.06035	0.00505	4		0	
137.02	Tyrosine, Post-col OPA Der (%)	0098	0.57300	0.01200	0.53200	0.06035	0.00505	4		0	
137.02	Tyrosine, Post-col OPA Der (%)	2196	0.58800	0.00000	0.53200	0.06035	0.00505	4		0	
137.02	Tyrosine, Post-col OPA Der (%)	0918	0.57140	0.03440	0.53200	0.06035	0.00505	4		1	
137.05	Tyrosine, Pre-col AQC Der (%)	0939	0.42000	0.00000				3		0	
137.05	Tyrosine, Pre-col AQC Der (%)	0676	0.62000	0.02000				3		0	
137.05	Tyrosine, Pre-col AQC Der (%)	2188	0.63000	0.02000				3		0	
137.99	Tyrosine, Miscellaneous (%)	0968	0.50000	0.00000				3		0	
137.99	Tyrosine, Miscellaneous (%)	0171	0.50400	0.00200				3		0	
137.99	Tyrosine, Miscellaneous (%)	0504	0.56500	0.01000				3		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0870	0.78520	0.02300	0.88584	0.03232	0.01519	19	-3.11	6%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0652	0.81500	0.05000	0.88584	0.03232	0.01519	19	-2.19	4%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0878	0.86000	0.01200	0.88584	0.03232	0.01519	19	-0.80	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	2059	0.86300	0.00800	0.88584	0.03232	0.01519	19	-0.71	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0872	0.86350	0.00500	0.88584	0.03232	0.01519	19	-0.69	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0859	0.86430	0.01740	0.88584	0.03232	0.01519	19	-0.67	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0868	0.86600	0.01400	0.88584	0.03232	0.01519	19	-0.61	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0684	0.86900	0.01200	0.88584	0.03232	0.01519	19	-0.52	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0910	0.89000	0.04000	0.88584	0.03232	0.01519	19	0.13	0%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0171	0.89150	0.00100	0.88584	0.03232	0.01519	19	0.18	0%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0571	0.89400	0.01200	0.88584	0.03232	0.01519	19	0.25	0%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0354	0.89500	0.00000	0.88584	0.03232	0.01519	19	0.28	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0918	0.89605	0.02530	0.88584	0.03232	0.01519	19	0.32	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	2196	0.90200	0.00000	0.88584	0.03232	0.01519	19	0.50	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0968	0.90500	0.01000	0.88584	0.03232	0.01519	19	0.59	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0941	0.91450	0.02900	0.88584	0.03232	0.01519	19	0.89	2%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0644	0.91800	0.00000	0.88584	0.03232	0.01519	19	1.00	2%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0504	0.93000	0.02000	0.88584	0.03232	0.01519	19	1.37	2%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0675	0.96500	0.01000	0.88584	0.03232	0.01519	19	2.45	4%	0
138.02	Valine, Post-col OPA Der (%)	0098	0.91500	0.01800				1		0	
138.05	Valine, Pre-col AQC Der (%)	0939	0.85000	0.02000				3		0	
138.05	Valine, Pre-col AQC Der (%)	2188	0.87000	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			
138.05	Valine, Pre-col AQC Der (%)	0676	0.94000	0.00000				3			0
139.00	Taurine, Post-col Ninhydrin Der (%)	0504	0.16000	0.00000				1			0
139.02	Taurine, Post-col OPA Der (%)	0098	0.00000	0.00000				0			4
351.00	Chlortetracycline, Plate (mg/kg (ppm))	0218	3.3753	0.06690				1			0
351.05	Chlortetracycline, LC-MS/MS (mg/kg (ppm))	2127	7.6000	1.4000				1			0
354.04	Decoquinatone, LC-MS/MS (mg/kg (ppm))	0610	0.13000	0.00000				1			0
361.03	Lasalocid sodium, LC (UV or FL) (mg/kg (ppm))	0027	0.45100	0.02200				2			0
361.03	Lasalocid sodium, LC (UV or FL) (mg/kg (ppm))	0964	0.77675	0.01730				2			0
361.05	Lasalocid sodium, LC-MS/MS (mg/kg (ppm))	2135	0.56970	0.00160				3			0
361.05	Lasalocid sodium, LC-MS/MS (mg/kg (ppm))	0610	0.67000	0.02000				3			0
361.05	Lasalocid sodium, LC-MS/MS (mg/kg (ppm))	2127	98.084	195.83				3			0
361.05	Lasalocid sodium, LC-MS/MS (mg/kg (ppm))	0875	0.00000	0.00000				3			4
365.02	Monensin, LC (mg/kg (ppm))	0668	0.45000	0.10000				2			0
365.02	Monensin, LC (mg/kg (ppm))	0905	2.0000	0.00000				2			0
365.03	Monensin, LC-PCD (mg/kg (ppm))	0964	0.91595	0.38150				1			0
365.04	Monensin, LC-MS (mg/kg (ppm))	2053	0.79950	0.21500				1			0
365.05	Monensin, LC-MS/MS (mg/kg (ppm))	0610	0.61500	0.01000				3			0
365.05	Monensin, LC-MS/MS (mg/kg (ppm))	2135	0.67715	0.04090				3			0
365.05	Monensin, LC-MS/MS (mg/kg (ppm))	2127	392.32	783.36				3			0
365.05	Monensin, LC-MS/MS (mg/kg (ppm))	0875	0.00000	0.00000				3			4
365.99	Monensin, Miscellaneous (mg/kg (ppm))	0668	0.43500	0.01000				1			0
377.02	Pyrantel Tartrate, LC-MS (mg/kg (ppm))	2053	212.00	6.0000				1			0
392.01	Fenbendazole, LC-MS (mg/kg (ppm))	2053	96.850	3.3000				1			0
400.01	Water activity, Aqualab chilled mirror (Units)	0942	0.35900	0.00400	0.40395	0.04284	0.00357	6	-1.05	6%	0
400.01	Water activity, Aqualab chilled mirror (Units)	0407	0.36800	0.00320	0.40395	0.04284	0.00357	6	-0.84	4%	0
400.01	Water activity, Aqualab chilled mirror (Units)	0589	0.38700	0.00600	0.40395	0.04284	0.00357	6	-0.40	2%	0
400.01	Water activity, Aqualab chilled mirror (Units)	2181	0.42170	0.00660	0.40395	0.04284	0.00357	6	0.41	2%	0
400.01	Water activity, Aqualab chilled mirror (Units)	2109	0.44150	0.00060	0.40395	0.04284	0.00357	6	0.88	5%	0
400.01	Water activity, Aqualab chilled mirror (Units)	2009	0.44650	0.00100	0.40395	0.04284	0.00357	6	0.99	5%	0
400.99	Water activity, Miscellaneous (Units)	2073	0.35850	0.00100				1			0
412.01	Dietary Starch, Enzymatic-Colorimetric (%)	2129	15.670	0.36000				2			0
412.01	Dietary Starch, Enzymatic-Colorimetric (%)	0353	16.075	0.31000				2			0
516.00	Arsenic, total, AA, Hydride (mg / kg (ppm))	0045	0.39500	0.03000				2			0
516.00	Arsenic, total, AA, Hydride (mg / kg (ppm))	0171	0.40000	0.02000				2			0
516.52	Arsenic, total, ICP-MS, Open vessel (mg / kg (ppm))	0910	0.45500	0.05000				2			0
516.52	Arsenic, total, ICP-MS, Open vessel (mg / kg (ppm))	0186	0.45950	0.02900				2			0
516.53	Arsenic, total, ICP-MS, Microwave (mg / kg (ppm))	0098	0.52750	0.11300				2			0
516.53	Arsenic, total, ICP-MS, Microwave (mg / kg (ppm))	0918	0.55365	0.03370				2			0
518.41	Cadmium, ICP, Dry ash (mg / kg (ppm))	0171	0.22500	0.01000				1			0
518.43	Cadmium, ICP, Microwave (mg / kg (ppm))	0508	0.22965	0.12470				1			0
518.52	Cadmium, ICP-MS, Open vessel (mg / kg (ppm))	0186	0.21750	0.02500				2			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
518.52	Cadmium, ICP-MS, Open vessel (mg / kg (ppm))	0910	0.23000	0.02000				2		0	
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0918	0.20800	0.02980				2		0	
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0098	0.22450	0.01500				2		0	
520.41	Chromium, ICP, Dry ash (mg / kg (ppm))	0171	6.8850	0.11000				1		0	
520.42	Chromium, ICP, Open vessel (mg / kg (ppm))	0693	8.8110	0.54800				3		0	
520.42	Chromium, ICP, Open vessel (mg / kg (ppm))	0045	10.265	1.2700				3		0	
520.42	Chromium, ICP, Open vessel (mg / kg (ppm))	2053	11.490	0.92000				3		0	
520.43	Chromium, ICP, Microwave (mg / kg (ppm))	0955	11.100	1.0000				3		0	
520.43	Chromium, ICP, Microwave (mg / kg (ppm))	0508	11.393	0.55400				3		0	
520.43	Chromium, ICP, Microwave (mg / kg (ppm))	0510	11.825	0.05000				3		0	
520.52	Chromium, ICP-MS, Open vessel (mg / kg (ppm))	0186	4.8600	0.12000				1		0	
520.53	Chromium, ICP-MS, Microwave (mg / kg (ppm))	0918	5.7331	0.16680				2		0	
520.53	Chromium, ICP-MS, Microwave (mg / kg (ppm))	0032	12.585	0.21000				2		0	
526.41	Lead, ICP, Dry ash (mg / kg (ppm))	0171	0.71000	0.42000				1		0	
526.52	Lead, ICP-MS, Open vessel (mg / kg (ppm))	0186	0.38350	0.03900				2		0	
526.52	Lead, ICP-MS, Open vessel (mg / kg (ppm))	0910	0.41000	0.08000				2		0	
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0918	0.33765	0.00290				2		0	
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0098	0.36200	0.03600				2		0	
539.41	Nickel, ICP, Dry ash (mg / kg (ppm))	0171	5.5000	0.00000				1		0	
539.42	Nickel, ICP, Open vessel (mg / kg (ppm))	2053	7.2000	0.80000				1		0	
539.43	Nickel, ICP, Microwave (mg / kg (ppm))	0508	6.3255	0.83110				1		0	
539.52	Nickel, ICP-MS, Open vessel (mg / kg (ppm))	0186	4.4100	0.74000				1		0	
539.53	Nickel, ICP-MS, Microwave (mg / kg (ppm))	0918	4.4736	0.03990				1		0	
710.99	Lauric Acid (12:0), Miscellaneous (% (w/w))	0226	0.00285	0.00050				2		0	
710.99	Lauric Acid (12:0), Miscellaneous (% (w/w))	0676	0.00550	0.00100				2		0	
714.99	Myristic Acid (14:0), Miscellaneous (% (w/w))	0226	0.00940	0.00060				1		0	
716.99	Palmitic Acid (16:0), Miscellaneous (% (w/w))	0226	0.64735	0.05650				1		0	
718.99	Palmitoleic Acid (9c-16:1), Miscellaneous (% (w/w))	0676	0.00700	0.00000				2		0	
718.99	Palmitoleic Acid (9c-16:1), Miscellaneous (% (w/w))	0226	0.06385	0.00470				2		0	
722.99	Stearic Acid (18:0), Miscellaneous (% (w/w))	0226	0.14070	0.01340				1		0	
724.99	Oleic Acid (9c-18:1), Miscellaneous (% (w/w))	0226	0.78495	0.07970				1		0	
726.99	Linoleic Acid (9c,12c-18:2), Miscellaneous (% (w/w))	0226	0.51075	0.12350				3		0	
726.99	Linoleic Acid (9c,12c-18:2), Miscellaneous (% (w/w))	0676	0.56050	0.00700				3		0	
726.99	Linoleic Acid (9c,12c-18:2), Miscellaneous (% (w/w))	0610	0.71000	0.02000				3		0	
728.99	alpha-Linolenic Acid (9c,12c,15c-18:3), Miscellaneous	0226	0.20805	0.02630				2		0	
728.99	alpha-Linolenic Acid (9c,12c,15c-18:3), Miscellaneous	0676	0.25050	0.00300				2		0	
730.99	Arachidic Acid (20:0), Miscellaneous (% (w/w))	0226	0.01335	0.00130				1		0	
732.99	Gondoic Acid (11c-20:1), Miscellaneous (% (w/w))	0226	0.02200	0.00540				1		0	
736.99	Arachidonic Acid (5c,8c,11c,14c-20:4), Miscellaneous	0676	0.00650	0.00300				1		0	
740.99	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5)	0676	0.00200	0.00000				1		0	
740.99	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5)	0226	0.00000	0.00000				1		4	

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			
742.99	Behenic Acid (22:0), Miscellaneous (% (w/w))	0226	0.01890	0.00320				1		0	
744.99	Erucic Acid (13c-22:1), Miscellaneous (% (w/w))	0226	0.00110	0.00060				1		0	
746.99	Docosapentaenoic Acid n-3 DPA (DHA)7c,10c,13c,16c,19c	0226	0.00000	0.00000				0		4	
746.99	Docosapentaenoic Acid n-3 DPA (DHA)7c,10c,13c,16c,19c	0676	0.00000	0.00000				0		4	
748.99	Lignoceric Acid (24:0), Miscellaneous (% (w/w))	0226	0.01210	0.00060				1		0	
750.99	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c,22c)	0226	0.00000	0.00000				0		4	
750.99	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c,22c)	0676	0.00000	0.00000				0		4	
752.99	Nervonic Acid (24:1) isomers, Miscellaneous (% (w/w))	0226	0.01885	0.00530				1		0	
754.02	Total n-3 Polyunsaturated (Omega-3) Fatty Acids, (w/w)	0675	0.34000	0.02000				1		0	
754.99	Total n-3 Polyunsaturated (Omega-3) Fatty Acids, (w/w)	0676	0.25250	0.00300				2		0	
754.99	Total n-3 Polyunsaturated (Omega-3) Fatty Acids, (w/w)	0610	0.30000	0.00000				2		0	
756.02	Total n-6 Polyunsaturated (Omega-6) Fatty Acids, (w/w)	0675	1.0950	0.15000				1		0	
756.99	Total n-6 Polyunsaturated (Omega-6) Fatty Acids, (w/w)	0676	0.57200	0.00400				2		0	
756.99	Total n-6 Polyunsaturated (Omega-6) Fatty Acids, (w/w)	0610	0.70000	0.00000				2		0	
772.99	Total Fatty Acids, Miscellaneous (% (w/w))	0226	2.5254	0.27740				1		0	

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