

Fish Food, Carnivore

Animal Feed Scheme

# Labs Reporting: 195

Test Material Code # 201732

Method Proficiency Testing Report

Issue Date : 01/31/2018

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
000.02	Urea, As protein, Colorimetric (%)	0278	0.50000	0.00000				1			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0017	4.0000	0.20000	4.8092	0.27596	0.10400	6	-2.93	8%	0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0016	4.6750	0.03000	4.8092	0.27596	0.10400	6	-0.49	1%	0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0309	4.8050	0.23000	4.8092	0.27596	0.10400	6	-0.02	0%	0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0504	4.9450	0.15000	4.8092	0.27596	0.10400	6	0.49	1%	0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0027	4.9900	0.00400	4.8092	0.27596	0.10400	6	0.66	2%	0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0169	5.0450	0.01000	4.8092	0.27596	0.10400	6	0.85	2%	0
001.03	Loss on Drying, Low temp. methods (%)	0186	4.7150	0.03000	4.9684	0.13218	0.01461	7	-1.92	3%	0
001.03	Loss on Drying, Low temp. methods (%)	0619	4.8500	0.04000	4.9684	0.13218	0.01461	7	-0.90	1%	0
001.03	Loss on Drying, Low temp. methods (%)	0895	4.9550	0.01000	4.9684	0.13218	0.01461	7	-0.10	0%	0
001.03	Loss on Drying, Low temp. methods (%)	0903	5.0350	0.01000	4.9684	0.13218	0.01461	7	0.50	1%	0
001.03	Loss on Drying, Low temp. methods (%)	0878	5.0400	0.00000	4.9684	0.13218	0.01461	7	0.54	1%	0
001.03	Loss on Drying, Low temp. methods (%)	2062	5.0585	0.01230	4.9684	0.13218	0.01461	7	0.68	1%	0
001.03	Loss on Drying, Low temp. methods (%)	0893	5.0700	0.00000	4.9684	0.13218	0.01461	7	0.77	1%	0
001.05	Loss on Drying, LECO (%)	0610	4.7500	0.00000				2			0
001.05	Loss on Drying, LECO (%)	0644	5.0350	0.03000				2			0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0618	3.7250	0.01000	4.9289	0.18196	0.07677	41	-6.62	12%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0019	4.1000	0.20000	4.9289	0.18196	0.07677	41	-4.56	8%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0876	4.3850	0.05000	4.9289	0.18196	0.07677	41	-2.99	6%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0038	4.4850	0.23000	4.9289	0.18196	0.07677	41	-2.44	5%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0142	4.7500	0.06000	4.9289	0.18196	0.07677	41	-0.98	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0003	4.7700	0.06000	4.9289	0.18196	0.07677	41	-0.87	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0171	4.7700	0.04000	4.9289	0.18196	0.07677	41	-0.87	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0297	4.7700	0.16000	4.9289	0.18196	0.07677	41	-0.87	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0683	4.7850	0.03000	4.9289	0.18196	0.07677	41	-0.79	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0226	4.8000	0.00000	4.9289	0.18196	0.07677	41	-0.71	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0413	4.8000	0.20000	4.9289	0.18196	0.07677	41	-0.71	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0015	4.8100	0.20000	4.9289	0.18196	0.07677	41	-0.65	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0353	4.8100	0.12000	4.9289	0.18196	0.07677	41	-0.65	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0083	4.8250	0.05000	4.9289	0.18196	0.07677	41	-0.57	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0512	4.8640	0.02400	4.9289	0.18196	0.07677	41	-0.36	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0590	4.8650	0.05000	4.9289	0.18196	0.07677	41	-0.35	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0849	4.8900	0.02000	4.9289	0.18196	0.07677	41	-0.21	0%	0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0139	4.8950	0.01000	4.9289	0.18196	0.07677	41	-0.19	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0843	4.8950	0.31000	4.9289	0.18196	0.07677	41	-0.19	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0689	4.9000	0.00000	4.9289	0.18196	0.07677	41	-0.16	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2009	4.9491	0.01030	4.9289	0.18196	0.07677	41	0.11	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0581	4.9550	0.07000	4.9289	0.18196	0.07677	41	0.14	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0571	4.9600	0.00000	4.9289	0.18196	0.07677	41	0.17	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0693	4.9630	0.02000	4.9289	0.18196	0.07677	41	0.19	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2059	4.9850	0.09000	4.9289	0.18196	0.07677	41	0.31	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0066	4.9900	0.08000	4.9289	0.18196	0.07677	41	0.34	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0035	5.0050	0.11000	4.9289	0.18196	0.07677	41	0.42	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0638	5.0100	0.02000	4.9289	0.18196	0.07677	41	0.45	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2146	5.0150	0.05000	4.9289	0.18196	0.07677	41	0.47	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2053	5.0200	0.00000	4.9289	0.18196	0.07677	41	0.50	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0098	5.0350	0.11000	4.9289	0.18196	0.07677	41	0.58	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2012	5.0550	0.01000	4.9289	0.18196	0.07677	41	0.69	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0675	5.0650	0.01000	4.9289	0.18196	0.07677	41	0.75	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0049	5.0700	0.20000	4.9289	0.18196	0.07677	41	0.78	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0872	5.1050	0.01000	4.9289	0.18196	0.07677	41	0.97	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0407	5.1400	0.06310	4.9289	0.18196	0.07677	41	1.16	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0089	5.1400	0.00000	4.9289	0.18196	0.07677	41	1.16	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0592	5.1950	0.13000	4.9289	0.18196	0.07677	41	1.46	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0278	5.3750	0.13000	4.9289	0.18196	0.07677	41	2.45	5%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0529	5.3800	0.04000	4.9289	0.18196	0.07677	41	2.48	5%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0045	6.0250	0.17000	4.9289	0.18196	0.07677	41	6.02	11%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0366	5.0500	0.50000	4.9289	0.18196	0.07677	41	0.67	1%	1
001.99	Loss on Drying, Miscellaneous (%)	0618	3.3000	0.18000	4.7377	0.37746	0.11999	19	-3.81	15%	0
001.99	Loss on Drying, Miscellaneous (%)	0720	4.1250	0.01000	4.7377	0.37746	0.11999	19	-1.62	6%	0
001.99	Loss on Drying, Miscellaneous (%)	0536	4.2700	0.06000	4.7377	0.37746	0.11999	19	-1.24	5%	0
001.99	Loss on Drying, Miscellaneous (%)	2155	4.3550	0.27000	4.7377	0.37746	0.11999	19	-1.01	4%	0
001.99	Loss on Drying, Miscellaneous (%)	0560	4.3950	0.13000	4.7377	0.37746	0.11999	19	-0.91	4%	0
001.99	Loss on Drying, Miscellaneous (%)	0034	4.6000	0.26000	4.7377	0.37746	0.11999	19	-0.36	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0510	4.6500	0.10000	4.7377	0.37746	0.11999	19	-0.23	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0918	4.7050	0.23000	4.7377	0.37746	0.11999	19	-0.09	0%	0
001.99	Loss on Drying, Miscellaneous (%)	0676	4.7100	0.02000	4.7377	0.37746	0.11999	19	-0.07	0%	0
001.99	Loss on Drying, Miscellaneous (%)	2149	4.8140	0.28000	4.7377	0.37746	0.11999	19	0.20	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0852	4.8950	0.03000	4.7377	0.37746	0.11999	19	0.42	2%	0
001.99	Loss on Drying, Miscellaneous (%)	0037	4.9500	0.10000	4.7377	0.37746	0.11999	19	0.56	2%	0
001.99	Loss on Drying, Miscellaneous (%)	0910	4.9500	0.10000	4.7377	0.37746	0.11999	19	0.56	2%	0
001.99	Loss on Drying, Miscellaneous (%)	0948	4.9550	0.03000	4.7377	0.37746	0.11999	19	0.58	2%	0
001.99	Loss on Drying, Miscellaneous (%)	0505	4.9700	0.10000	4.7377	0.37746	0.11999	19	0.62	2%	0
001.99	Loss on Drying, Miscellaneous (%)	0912	5.0000	0.24000	4.7377	0.37746	0.11999	19	0.69	3%	0

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001.99	Loss on Drying, Miscellaneous (%)	0940	5.0350	0.01000	4.7377	0.37746	0.11999	19	0.79	3%	0
001.99	Loss on Drying, Miscellaneous (%)	0629	5.1150	0.05000	4.7377	0.37746	0.11999	19	1.00	4%	0
001.99	Loss on Drying, Miscellaneous (%)	0357	5.3509	0.07990	4.7377	0.37746	0.11999	19	1.62	6%	0
001.99	Loss on Drying, Miscellaneous (%)	0630	5.6550	2.1100	4.7377	0.37746	0.11999	19	2.43	10%	1
002.00	Protein, Crude (%)	0169	50.925	0.87000				2			0
002.00	Protein, Crude (%)	0940	51.590	0.00000				2			0
002.01	Protein, Auto Kjel-Foss (%)	0183	43.140	0.36000	51.420	0.89534	0.26380	10	-9.25	8%	0
002.01	Protein, Auto Kjel-Foss (%)	0164	50.715	0.33000	51.420	0.89534	0.26380	10	-0.79	1%	0
002.01	Protein, Auto Kjel-Foss (%)	0910	51.000	0.80000	51.420	0.89534	0.26380	10	-0.47	0%	0
002.01	Protein, Auto Kjel-Foss (%)	0968	51.157	0.06900	51.420	0.89534	0.26380	10	-0.29	0%	0
002.01	Protein, Auto Kjel-Foss (%)	0653	51.205	0.01000	51.420	0.89534	0.26380	10	-0.24	0%	0
002.01	Protein, Auto Kjel-Foss (%)	0652	51.500	0.40000	51.420	0.89534	0.26380	10	0.09	0%	0
002.01	Protein, Auto Kjel-Foss (%)	0028	51.585	0.03000	51.420	0.89534	0.26380	10	0.18	0%	0
002.01	Protein, Auto Kjel-Foss (%)	0152	51.737	0.24500	51.420	0.89534	0.26380	10	0.35	0%	0
002.01	Protein, Auto Kjel-Foss (%)	0870	52.466	0.13400	51.420	0.89534	0.26380	10	1.17	1%	0
002.01	Protein, Auto Kjel-Foss (%)	0685	53.120	0.26000	51.420	0.89534	0.26380	10	1.90	2%	0
002.02	Protein, Semiauto Autoanalyzer (%)	0066	50.510	0.14000	51.390	0.85868	0.21045	4			0
002.02	Protein, Semiauto Autoanalyzer (%)	2149	50.800	0.24900	51.390	0.85868	0.21045	4			0
002.02	Protein, Semiauto Autoanalyzer (%)	0036	52.054	0.28280	51.390	0.85868	0.21045	4			0
002.02	Protein, Semiauto Autoanalyzer (%)	0042	52.195	0.17000	51.390	0.85868	0.21045	4			0
002.04	Protein, Copper Catalyst (%)	0405	47.690	1.9800	50.215	1.8249	0.69860	5			0
002.04	Protein, Copper Catalyst (%)	0874	48.860	0.16000	50.215	1.8249	0.69860	5			0
002.04	Protein, Copper Catalyst (%)	0728	51.297	0.23300	50.215	1.8249	0.69860	5			0
002.04	Protein, Copper Catalyst (%)	0638	51.515	0.05000	50.215	1.8249	0.69860	5			0
002.04	Protein, Copper Catalyst (%)	0504	51.715	1.0700	50.215	1.8249	0.69860	5			0
002.05	Protein, Copper, Boric Acid (%)	0722	49.095	0.37150	51.309	0.66283	0.13835	31	-3.34	2%	0
002.05	Protein, Copper, Boric Acid (%)	0536	49.420	0.00000	51.309	0.66283	0.13835	31	-2.85	2%	0
002.05	Protein, Copper, Boric Acid (%)	0622	50.255	0.06620	51.309	0.66283	0.13835	31	-1.59	1%	0
002.05	Protein, Copper, Boric Acid (%)	0885	50.677	0.25420	51.309	0.66283	0.13835	31	-0.95	1%	0
002.05	Protein, Copper, Boric Acid (%)	2006	50.680	0.12000	51.309	0.66283	0.13835	31	-0.95	1%	0
002.05	Protein, Copper, Boric Acid (%)	2073	50.765	0.17000	51.309	0.66283	0.13835	31	-0.82	1%	0
002.05	Protein, Copper, Boric Acid (%)	2022	50.835	0.01000	51.309	0.66283	0.13835	31	-0.72	0%	0
002.05	Protein, Copper, Boric Acid (%)	0674	50.870	0.00000	51.309	0.66283	0.13835	31	-0.66	0%	0
002.05	Protein, Copper, Boric Acid (%)	0354	50.905	0.03000	51.309	0.66283	0.13835	31	-0.61	0%	0
002.05	Protein, Copper, Boric Acid (%)	0651	50.913	0.10400	51.309	0.66283	0.13835	31	-0.60	0%	0
002.05	Protein, Copper, Boric Acid (%)	2009	51.087	0.00780	51.309	0.66283	0.13835	31	-0.34	0%	0
002.05	Protein, Copper, Boric Acid (%)	0893	51.090	0.00000	51.309	0.66283	0.13835	31	-0.33	0%	0
002.05	Protein, Copper, Boric Acid (%)	0552	51.095	0.03000	51.309	0.66283	0.13835	31	-0.32	0%	0
002.05	Protein, Copper, Boric Acid (%)	0619	51.150	0.10000	51.309	0.66283	0.13835	31	-0.24	0%	0
002.05	Protein, Copper, Boric Acid (%)	0689	51.200	0.20000	51.309	0.66283	0.13835	31	-0.16	0%	0
002.05	Protein, Copper, Boric Acid (%)	2068	51.220	0.04000	51.309	0.66283	0.13835	31	-0.13	0%	0

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002.05	Protein, Copper, Boric Acid (%)	0675	51.385	0.11000	51.309	0.66283	0.13835	31	0.11	0%	0
002.05	Protein, Copper, Boric Acid (%)	0941	51.390	0.46000	51.309	0.66283	0.13835	31	0.12	0%	0
002.05	Protein, Copper, Boric Acid (%)	0683	51.460	0.66000	51.309	0.66283	0.13835	31	0.23	0%	0
002.05	Protein, Copper, Boric Acid (%)	0955	51.500	0.40000	51.309	0.66283	0.13835	31	0.29	0%	0
002.05	Protein, Copper, Boric Acid (%)	0895	51.625	0.01000	51.309	0.66283	0.13835	31	0.48	0%	0
002.05	Protein, Copper, Boric Acid (%)	0939	51.635	0.35000	51.309	0.66283	0.13835	31	0.49	0%	0
002.05	Protein, Copper, Boric Acid (%)	0878	51.725	0.01000	51.309	0.66283	0.13835	31	0.63	0%	0
002.05	Protein, Copper, Boric Acid (%)	0948	51.745	0.03000	51.309	0.66283	0.13835	31	0.66	0%	0
002.05	Protein, Copper, Boric Acid (%)	0849	51.772	0.05600	51.309	0.66283	0.13835	31	0.70	0%	0
002.05	Protein, Copper, Boric Acid (%)	0903	51.915	0.01000	51.309	0.66283	0.13835	31	0.91	1%	0
002.05	Protein, Copper, Boric Acid (%)	2062	52.044	0.02910	51.309	0.66283	0.13835	31	1.11	1%	0
002.05	Protein, Copper, Boric Acid (%)	0897	52.080	0.02000	51.309	0.66283	0.13835	31	1.16	1%	0
002.05	Protein, Copper, Boric Acid (%)	0581	52.275	0.45000	51.309	0.66283	0.13835	31	1.46	1%	0
002.05	Protein, Copper, Boric Acid (%)	0852	52.625	0.17000	51.309	0.66283	0.13835	31	1.98	1%	0
002.05	Protein, Copper, Boric Acid (%)	2012	52.650	0.02000	51.309	0.66283	0.13835	31	2.02	1%	0
002.05	Protein, Copper, Boric Acid (%)	2146	51.370	1.0800	51.309	0.66283	0.13835	31	0.09	0%	1
002.06	Protein, Combustion Nitrogen Analyzer (%)	0859	49.544	0.48000	52.074	0.40113	0.29077	126	-6.31	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2081	50.940	0.42000	52.074	0.40113	0.29077	126	-2.83	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0918	50.965	0.75000	52.074	0.40113	0.29077	126	-2.77	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2006	50.975	0.21000	52.074	0.40113	0.29077	126	-2.74	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0598	51.340	0.74000	52.074	0.40113	0.29077	126	-1.83	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0720	51.350	0.16000	52.074	0.40113	0.29077	126	-1.81	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0108	51.355	1.4500	52.074	0.40113	0.29077	126	-1.79	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0546	51.370	0.21800	52.074	0.40113	0.29077	126	-1.76	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0265	51.385	0.41000	52.074	0.40113	0.29077	126	-1.72	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0297	51.455	1.2300	52.074	0.40113	0.29077	126	-1.54	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0948	51.460	0.18000	52.074	0.40113	0.29077	126	-1.53	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0001	51.460	0.78000	52.074	0.40113	0.29077	126	-1.53	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0941	51.505	0.45000	52.074	0.40113	0.29077	126	-1.42	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0682	51.510	0.00000	52.074	0.40113	0.29077	126	-1.41	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0510	51.550	0.10000	52.074	0.40113	0.29077	126	-1.31	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0202	51.560	0.46000	52.074	0.40113	0.29077	126	-1.28	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0529	51.580	0.16000	52.074	0.40113	0.29077	126	-1.23	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0726	51.585	0.03000	52.074	0.40113	0.29077	126	-1.22	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0619	51.650	0.10000	52.074	0.40113	0.29077	126	-1.06	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0956	51.650	0.90000	52.074	0.40113	0.29077	126	-1.06	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0034	51.689	0.24600	52.074	0.40113	0.29077	126	-0.96	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0294	51.700	0.20000	52.074	0.40113	0.29077	126	-0.93	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0358	51.715	0.93000	52.074	0.40113	0.29077	126	-0.90	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0589	51.715	0.01000	52.074	0.40113	0.29077	126	-0.90	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0910	51.750	0.30000	52.074	0.40113	0.29077	126	-0.81	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 (%)	0553	51.785	0.97000	52.074	0.40113	0.29077	126	-0.72	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0190	51.790	0.46000	52.074	0.40113	0.29077	126	-0.71	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0884	51.800	1.0000	52.074	0.40113	0.29077	126	-0.68	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0035	51.810	0.02000	52.074	0.40113	0.29077	126	-0.66	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0100	51.825	0.33000	52.074	0.40113	0.29077	126	-0.62	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0683	51.825	0.01000	52.074	0.40113	0.29077	126	-0.62	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0300	51.840	0.22000	52.074	0.40113	0.29077	126	-0.58	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0878	51.845	0.21000	52.074	0.40113	0.29077	126	-0.57	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0541	51.870	0.24000	52.074	0.40113	0.29077	126	-0.51	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2059	51.875	0.54370	52.074	0.40113	0.29077	126	-0.50	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0018	51.875	0.07000	52.074	0.40113	0.29077	126	-0.50	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0309	51.879	0.09750	52.074	0.40113	0.29077	126	-0.49	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0037	51.885	0.15000	52.074	0.40113	0.29077	126	-0.47	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2053	51.895	0.29000	52.074	0.40113	0.29077	126	-0.45	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0014	51.900	0.20000	52.074	0.40113	0.29077	126	-0.43	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0003	51.940	0.08000	52.074	0.40113	0.29077	126	-0.34	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0413	51.950	0.50000	52.074	0.40113	0.29077	126	-0.31	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0955	51.950	0.30000	52.074	0.40113	0.29077	126	-0.31	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0505	51.960	0.00000	52.074	0.40113	0.29077	126	-0.29	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0861	51.960	0.26000	52.074	0.40113	0.29077	126	-0.29	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0650	51.970	0.44000	52.074	0.40113	0.29077	126	-0.26	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0263	51.990	0.03360	52.074	0.40113	0.29077	126	-0.21	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0148	51.990	0.08000	52.074	0.40113	0.29077	126	-0.21	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0644	51.992	0.07200	52.074	0.40113	0.29077	126	-0.21	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0205	51.995	0.03000	52.074	0.40113	0.29077	126	-0.20	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0098	52.000	1.2000	52.074	0.40113	0.29077	126	-0.19	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0626	52.012	0.00100	52.074	0.40113	0.29077	126	-0.16	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0049	52.030	0.46000	52.074	0.40113	0.29077	126	-0.11	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0171	52.035	0.15000	52.074	0.40113	0.29077	126	-0.10	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0036	52.045	0.19000	52.074	0.40113	0.29077	126	-0.07	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0353	52.045	0.27000	52.074	0.40113	0.29077	126	-0.07	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0051	52.050	0.30000	52.074	0.40113	0.29077	126	-0.06	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0425	52.050	0.08000	52.074	0.40113	0.29077	126	-0.06	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0618	52.058	0.03800	52.074	0.40113	0.29077	126	-0.04	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0407	52.063	0.37100	52.074	0.40113	0.29077	126	-0.03	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0574	52.065	0.07000	52.074	0.40113	0.29077	126	-0.02	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0571	52.085	0.04300	52.074	0.40113	0.29077	126	0.03	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2057	52.092	0.14400	52.074	0.40113	0.29077	126	0.04	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0646	52.095	0.01000	52.074	0.40113	0.29077	126	0.05	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0017	52.100	0.20000	52.074	0.40113	0.29077	126	0.06	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0226	52.100	0.00000	52.074	0.40113	0.29077	126	0.06	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 (%)	0610	52.100	0.00000	52.074	0.40113	0.29077	126	0.06	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0354	52.105	0.01000	52.074	0.40113	0.29077	126	0.08	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0843	52.110	0.22000	52.074	0.40113	0.29077	126	0.09	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0964	52.112	0.30600	52.074	0.40113	0.29077	126	0.09	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0233	52.115	0.27000	52.074	0.40113	0.29077	126	0.10	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2089	52.125	0.05000	52.074	0.40113	0.29077	126	0.13	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0676	52.130	0.50000	52.074	0.40113	0.29077	126	0.14	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0630	52.135	0.35000	52.074	0.40113	0.29077	126	0.15	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0010	52.150	0.10000	52.074	0.40113	0.29077	126	0.19	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0033	52.150	0.10000	52.074	0.40113	0.29077	126	0.19	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0520	52.150	0.10000	52.074	0.40113	0.29077	126	0.19	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0357	52.156	0.06250	52.074	0.40113	0.29077	126	0.20	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0089	52.160	0.00000	52.074	0.40113	0.29077	126	0.21	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0015	52.165	0.13000	52.074	0.40113	0.29077	126	0.23	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0687	52.175	0.15000	52.074	0.40113	0.29077	126	0.25	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0229	52.185	0.13000	52.074	0.40113	0.29077	126	0.28	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2155	52.192	0.88300	52.074	0.40113	0.29077	126	0.29	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0508	52.196	0.04800	52.074	0.40113	0.29077	126	0.30	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0019	52.200	0.04000	52.074	0.40113	0.29077	126	0.31	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0175	52.200	0.20000	52.074	0.40113	0.29077	126	0.31	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0164	52.225	0.15000	52.074	0.40113	0.29077	126	0.38	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0278	52.250	0.50000	52.074	0.40113	0.29077	126	0.44	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0083	52.255	0.15000	52.074	0.40113	0.29077	126	0.45	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0693	52.256	0.04400	52.074	0.40113	0.29077	126	0.45	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0939	52.265	0.21000	52.074	0.40113	0.29077	126	0.48	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0504	52.295	0.31000	52.074	0.40113	0.29077	126	0.55	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0045	52.300	0.40000	52.074	0.40113	0.29077	126	0.56	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0142	52.305	0.01000	52.074	0.40113	0.29077	126	0.57	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0857	52.325	0.07000	52.074	0.40113	0.29077	126	0.62	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2076	52.347	0.11500	52.074	0.40113	0.29077	126	0.68	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0242	52.360	0.36000	52.074	0.40113	0.29077	126	0.71	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0139	52.365	0.17000	52.074	0.40113	0.29077	126	0.72	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0011	52.380	0.22000	52.074	0.40113	0.29077	126	0.76	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0298	52.390	0.02000	52.074	0.40113	0.29077	126	0.79	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0123	52.400	0.02000	52.074	0.40113	0.29077	126	0.81	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0186	52.400	0.00000	52.074	0.40113	0.29077	126	0.81	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0144	52.425	0.03000	52.074	0.40113	0.29077	126	0.87	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0590	52.425	0.05000	52.074	0.40113	0.29077	126	0.87	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0692	52.450	0.50000	52.074	0.40113	0.29077	126	0.94	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0511	52.455	0.39000	52.074	0.40113	0.29077	126	0.95	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2033	52.455	0.11000	52.074	0.40113	0.29077	126	0.95	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 (%)	0366	52.500	0.40000	52.074	0.40113	0.29077	126	1.06	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0042	52.520	0.46000	52.074	0.40113	0.29077	126	1.11	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0512	52.520	0.04000	52.074	0.40113	0.29077	126	1.11	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0675	52.520	0.14000	52.074	0.40113	0.29077	126	1.11	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0047	52.550	0.70000	52.074	0.40113	0.29077	126	1.19	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0032	52.551	0.26900	52.074	0.40113	0.29077	126	1.19	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2129	52.610	1.1800	52.074	0.40113	0.29077	126	1.34	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2150	52.705	1.1900	52.074	0.40113	0.29077	126	1.57	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0848	52.750	0.08000	52.074	0.40113	0.29077	126	1.68	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0872	52.753	0.08200	52.074	0.40113	0.29077	126	1.69	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0953	52.845	0.41000	52.074	0.40113	0.29077	126	1.92	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0208	52.850	0.90000	52.074	0.40113	0.29077	126	1.93	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0345	52.850	0.90000	52.074	0.40113	0.29077	126	1.93	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0880	53.150	1.0800	52.074	0.40113	0.29077	126	2.68	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0876	53.215	0.03000	52.074	0.40113	0.29077	126	2.84	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0592	53.430	0.08000	52.074	0.40113	0.29077	126	3.38	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0539	53.710	0.00000	52.074	0.40113	0.29077	126	4.08	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0615	54.725	0.13000	52.074	0.40113	0.29077	126	6.61	3%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2012	55.210	0.04000	52.074	0.40113	0.29077	126	7.82	3%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0870	52.917	1.8000	52.074	0.40113	0.29077	126	2.10	1%	1
002.08	Protein, Cu/Ti (%)	0098	51.030	0.18000				2			0
002.08	Protein, Cu/Ti (%)	0563	53.012	0.14580				2			0
002.10	Protein, Block dig/distillation (%)	0629	51.495	0.21000				1			0
002.11	Protein, NIR (%)	0852	49.750	0.30000	51.516	1.3473	0.30750	4			0
002.11	Protein, NIR (%)	0720	51.230	0.22000	51.516	1.3473	0.30750	4			0
002.11	Protein, NIR (%)	0011	52.280	0.46000	51.516	1.3473	0.30750	4			0
002.11	Protein, NIR (%)	0889	52.805	0.25000	51.516	1.3473	0.30750	4			0
002.11	Protein, NIR (%)	2105	248.77	400.05	51.516	1.3473	0.30750	4			2
002.99	Protein, Miscellaneous (%)	2144	51.270	0.08000				3			0
002.99	Protein, Miscellaneous (%)	2145	51.375	0.13000				3			0
002.99	Protein, Miscellaneous (%)	2004	52.050	0.10000				3			0
003.00	Fat, Eth Ext., Direct (%)	0345	17.900	0.40000	18.309	0.28141	0.27388	10	-1.45	1%	0
003.00	Fat, Eth Ext., Direct (%)	0653	18.020	0.06000	18.309	0.28141	0.27388	10	-1.03	1%	0
003.00	Fat, Eth Ext., Direct (%)	0142	18.170	0.06000	18.309	0.28141	0.27388	10	-0.49	0%	0
003.00	Fat, Eth Ext., Direct (%)	0615	18.185	0.33000	18.309	0.28141	0.27388	10	-0.44	0%	0
003.00	Fat, Eth Ext., Direct (%)	2033	18.250	0.12000	18.309	0.28141	0.27388	10	-0.21	0%	0
003.00	Fat, Eth Ext., Direct (%)	0175	18.335	0.13000	18.309	0.28141	0.27388	10	0.09	0%	0
003.00	Fat, Eth Ext., Direct (%)	0152	18.450	0.50000	18.309	0.28141	0.27388	10	0.50	0%	0
003.00	Fat, Eth Ext., Direct (%)	0885	18.544	0.13020	18.309	0.28141	0.27388	10	0.84	1%	0
003.00	Fat, Eth Ext., Direct (%)	0309	18.597	0.13860	18.309	0.28141	0.27388	10	1.03	1%	0
003.00	Fat, Eth Ext., Direct (%)	0032	18.635	0.87000	18.309	0.28141	0.27388	10	1.16	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			
003.01	Fat, Ind Eth Ext (13th ed.), Indirect (%)	0504	18.020	0.16000				1			0
003.06	Fat, Pet Ether (%)	0884	17.700	0.40000	18.115	0.18974	0.15709	18	-2.19	1%	0
003.06	Fat, Pet Ether (%)	0294	17.820	0.14000	18.115	0.18974	0.15709	18	-1.56	1%	0
003.06	Fat, Pet Ether (%)	0297	17.885	0.07000	18.115	0.18974	0.15709	18	-1.21	1%	0
003.06	Fat, Pet Ether (%)	0511	17.980	0.30000	18.115	0.18974	0.15709	18	-0.71	0%	0
003.06	Fat, Pet Ether (%)	0689	18.000	0.20000	18.115	0.18974	0.15709	18	-0.61	0%	0
003.06	Fat, Pet Ether (%)	0563	18.015	0.31870	18.115	0.18974	0.15709	18	-0.53	0%	0
003.06	Fat, Pet Ether (%)	0229	18.025	0.15000	18.115	0.18974	0.15709	18	-0.48	0%	0
003.06	Fat, Pet Ether (%)	0644	18.086	0.00100	18.115	0.18974	0.15709	18	-0.16	0%	0
003.06	Fat, Pet Ether (%)	0849	18.126	0.08800	18.115	0.18974	0.15709	18	0.06	0%	0
003.06	Fat, Pet Ether (%)	0300	18.175	0.03000	18.115	0.18974	0.15709	18	0.31	0%	0
003.06	Fat, Pet Ether (%)	0164	18.195	0.07000	18.115	0.18974	0.15709	18	0.42	0%	0
003.06	Fat, Pet Ether (%)	0148	18.225	0.03000	18.115	0.18974	0.15709	18	0.58	0%	0
003.06	Fat, Pet Ether (%)	0425	18.240	0.06000	18.115	0.18974	0.15709	18	0.66	0%	0
003.06	Fat, Pet Ether (%)	0687	18.250	0.10000	18.115	0.18974	0.15709	18	0.71	0%	0
003.06	Fat, Pet Ether (%)	0682	18.260	0.00000	18.115	0.18974	0.15709	18	0.76	0%	0
003.06	Fat, Pet Ether (%)	0083	18.275	0.15000	18.115	0.18974	0.15709	18	0.84	0%	0
003.06	Fat, Pet Ether (%)	0552	18.280	0.10000	18.115	0.18974	0.15709	18	0.87	0%	0
003.06	Fat, Pet Ether (%)	0918	18.670	0.62000	18.115	0.18974	0.15709	18	2.92	2%	0
003.06	Fat, Pet Ether (%)	0910	17.490	1.4000	18.115	0.18974	0.15709	18	-3.30	2%	1
003.09	Fat, Soxtec, Eth Ext (%)	0638	17.350	0.70000	17.969	0.25897	0.17620	18	-2.39	2%	0
003.09	Fat, Soxtec, Eth Ext (%)	0590	17.600	0.30000	17.969	0.25897	0.17620	18	-1.43	1%	0
003.09	Fat, Soxtec, Eth Ext (%)	0263	17.740	0.15360	17.969	0.25897	0.17620	18	-0.89	1%	0
003.09	Fat, Soxtec, Eth Ext (%)	0948	17.770	0.04000	17.969	0.25897	0.17620	18	-0.77	1%	0
003.09	Fat, Soxtec, Eth Ext (%)	0512	17.790	0.88000	17.969	0.25897	0.17620	18	-0.69	0%	0
003.09	Fat, Soxtec, Eth Ext (%)	0675	17.880	0.08000	17.969	0.25897	0.17620	18	-0.34	0%	0
003.09	Fat, Soxtec, Eth Ext (%)	0674	17.890	0.00000	17.969	0.25897	0.17620	18	-0.31	0%	0
003.09	Fat, Soxtec, Eth Ext (%)	0226	17.900	0.00000	17.969	0.25897	0.17620	18	-0.27	0%	0
003.09	Fat, Soxtec, Eth Ext (%)	0353	17.910	0.18000	17.969	0.25897	0.17620	18	-0.23	0%	0
003.09	Fat, Soxtec, Eth Ext (%)	0098	17.980	0.06000	17.969	0.25897	0.17620	18	0.04	0%	0
003.09	Fat, Soxtec, Eth Ext (%)	2068	18.040	0.00000	17.969	0.25897	0.17620	18	0.27	0%	0
003.09	Fat, Soxtec, Eth Ext (%)	0630	18.065	0.59000	17.969	0.25897	0.17620	18	0.37	0%	0
003.09	Fat, Soxtec, Eth Ext (%)	0722	18.089	0.00000	17.969	0.25897	0.17620	18	0.46	0%	0
003.09	Fat, Soxtec, Eth Ext (%)	0027	18.101	0.01800	17.969	0.25897	0.17620	18	0.51	0%	0
003.09	Fat, Soxtec, Eth Ext (%)	0354	18.185	0.01000	17.969	0.25897	0.17620	18	0.83	1%	0
003.09	Fat, Soxtec, Eth Ext (%)	2012	18.210	0.00000	17.969	0.25897	0.17620	18	0.93	1%	0
003.09	Fat, Soxtec, Eth Ext (%)	0685	18.625	0.05000	17.969	0.25897	0.17620	18	2.53	2%	0
003.09	Fat, Soxtec, Eth Ext (%)	0004	19.765	0.11000	17.969	0.25897	0.17620	18	6.93	5%	0
003.10	Fat, Soxtec, Pet Ether (%)	0693	17.142	0.94000	17.924	0.28529	0.23375	29	-2.74	2%	0
003.10	Fat, Soxtec, Pet Ether (%)	0042	17.460	0.70000	17.924	0.28529	0.23375	29	-1.63	1%	0
003.10	Fat, Soxtec, Pet Ether (%)	0051	17.650	0.10000	17.924	0.28529	0.23375	29	-0.96	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	
003.10	Fat, Soxtec, Pet Ether (%)	0861	17.655	0.27000	17.924	0.28529	0.23375	29	-0.94	1%	0
003.10	Fat, Soxtec, Pet Ether (%)	0728	17.660	0.02000	17.924	0.28529	0.23375	29	-0.93	1%	0
003.10	Fat, Soxtec, Pet Ether (%)	0366	17.700	0.40000	17.924	0.28529	0.23375	29	-0.79	1%	0
003.10	Fat, Soxtec, Pet Ether (%)	0619	17.700	0.20000	17.924	0.28529	0.23375	29	-0.79	1%	0
003.10	Fat, Soxtec, Pet Ether (%)	0036	17.703	0.04640	17.924	0.28529	0.23375	29	-0.77	1%	0
003.10	Fat, Soxtec, Pet Ether (%)	0623	17.735	0.59500	17.924	0.28529	0.23375	29	-0.66	1%	0
003.10	Fat, Soxtec, Pet Ether (%)	0553	17.770	0.36000	17.924	0.28529	0.23375	29	-0.54	0%	0
003.10	Fat, Soxtec, Pet Ether (%)	2089	17.780	0.36000	17.924	0.28529	0.23375	29	-0.50	0%	0
003.10	Fat, Soxtec, Pet Ether (%)	2073	17.795	0.29000	17.924	0.28529	0.23375	29	-0.45	0%	0
003.10	Fat, Soxtec, Pet Ether (%)	0298	17.820	0.02000	17.924	0.28529	0.23375	29	-0.36	0%	0
003.10	Fat, Soxtec, Pet Ether (%)	0045	17.850	0.10000	17.924	0.28529	0.23375	29	-0.26	0%	0
003.10	Fat, Soxtec, Pet Ether (%)	0870	17.981	0.11100	17.924	0.28529	0.23375	29	0.20	0%	0
003.10	Fat, Soxtec, Pet Ether (%)	0233	18.020	0.10000	17.924	0.28529	0.23375	29	0.34	0%	0
003.10	Fat, Soxtec, Pet Ether (%)	0897	18.035	0.01000	17.924	0.28529	0.23375	29	0.39	0%	0
003.10	Fat, Soxtec, Pet Ether (%)	0098	18.040	0.30000	17.924	0.28529	0.23375	29	0.41	0%	0
003.10	Fat, Soxtec, Pet Ether (%)	0878	18.045	0.07000	17.924	0.28529	0.23375	29	0.42	0%	0
003.10	Fat, Soxtec, Pet Ether (%)	0720	18.050	0.02000	17.924	0.28529	0.23375	29	0.44	0%	0
003.10	Fat, Soxtec, Pet Ether (%)	0100	18.070	0.18000	17.924	0.28529	0.23375	29	0.51	0%	0
003.10	Fat, Soxtec, Pet Ether (%)	2022	18.070	0.28000	17.924	0.28529	0.23375	29	0.51	0%	0
003.10	Fat, Soxtec, Pet Ether (%)	0618	18.084	0.12800	17.924	0.28529	0.23375	29	0.56	0%	0
003.10	Fat, Soxtec, Pet Ether (%)	0242	18.090	0.02000	17.924	0.28529	0.23375	29	0.58	0%	0
003.10	Fat, Soxtec, Pet Ether (%)	0676	18.095	0.13000	17.924	0.28529	0.23375	29	0.60	0%	0
003.10	Fat, Soxtec, Pet Ether (%)	2155	18.374	0.87400	17.924	0.28529	0.23375	29	1.58	1%	0
003.10	Fat, Soxtec, Pet Ether (%)	0541	18.480	0.04000	17.924	0.28529	0.23375	29	1.95	2%	0
003.10	Fat, Soxtec, Pet Ether (%)	0651	18.713	0.11000	17.924	0.28529	0.23375	29	2.77	2%	0
003.10	Fat, Soxtec, Pet Ether (%)	2009	19.589	0.00430	17.924	0.28529	0.23375	29	5.84	5%	0
003.11	Fat, NIR (%)	2105	13.415	0.13000	17.562	3.9087	0.38000	6	-1.06	12%	0
003.11	Fat, NIR (%)	0852	14.515	0.21000	17.562	3.9087	0.38000	6	-0.78	9%	0
003.11	Fat, NIR (%)	0297	15.675	0.73000	17.562	3.9087	0.38000	6	-0.48	5%	0
003.11	Fat, NIR (%)	0720	19.950	0.04000	17.562	3.9087	0.38000	6	0.61	7%	0
003.11	Fat, NIR (%)	0889	20.110	0.84000	17.562	3.9087	0.38000	6	0.65	7%	0
003.11	Fat, NIR (%)	0011	21.705	0.33000	17.562	3.9087	0.38000	6	1.06	12%	0
003.12	Fat, Hexane Ext (%)	0895	17.665	0.01000	18.170	0.36399	0.09695	6	-1.39	1%	0
003.12	Fat, Hexane Ext (%)	0903	17.980	0.02000	18.170	0.36399	0.09695	6	-0.52	1%	0
003.12	Fat, Hexane Ext (%)	0940	18.115	0.33000	18.170	0.36399	0.09695	6	-0.15	0%	0
003.12	Fat, Hexane Ext (%)	2062	18.289	0.00170	18.170	0.36399	0.09695	6	0.33	0%	0
003.12	Fat, Hexane Ext (%)	0171	18.420	0.22000	18.170	0.36399	0.09695	6	0.69	1%	0
003.12	Fat, Hexane Ext (%)	0893	18.550	0.00000	18.170	0.36399	0.09695	6	1.04	1%	0
003.13	Fat, Soxtec, Hexane Ext. (%)	0646	17.595	0.75000	18.092	0.14309	0.28857	7	-3.47	1%	0
003.13	Fat, Soxtec, Hexane Ext. (%)	0208	18.000	0.20000	18.092	0.14309	0.28857	7	-0.64	0%	0
003.13	Fat, Soxtec, Hexane Ext. (%)	0123	18.100	0.20000	18.092	0.14309	0.28857	7	0.06	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	
003.13	Fat, Soxtec, Hexane Ext. (%)	0098	18.110	0.22000	18.092	0.14309	0.28857	7	0.13	0%	0
003.13	Fat, Soxtec, Hexane Ext. (%)	0033	18.115	0.37000	18.092	0.14309	0.28857	7	0.16	0%	0
003.13	Fat, Soxtec, Hexane Ext. (%)	2006	18.160	0.08000	18.092	0.14309	0.28857	7	0.48	0%	0
003.13	Fat, Soxtec, Hexane Ext. (%)	0205	18.280	0.20000	18.092	0.14309	0.28857	7	1.32	1%	0
003.14	Fat, Ankom (%)	0278	15.350	0.30000	18.036	0.32107	0.15046	36	-8.37	7%	0
003.14	Fat, Ankom (%)	0683	16.980	0.08000	18.036	0.32107	0.15046	36	-3.29	3%	0
003.14	Fat, Ankom (%)	0357	17.550	0.10000	18.036	0.32107	0.15046	36	-1.52	1%	0
003.14	Fat, Ankom (%)	0912	17.600	0.30000	18.036	0.32107	0.15046	36	-1.36	1%	0
003.14	Fat, Ankom (%)	2129	17.675	0.15000	18.036	0.32107	0.15046	36	-1.13	1%	0
003.14	Fat, Ankom (%)	0619	17.750	0.10000	18.036	0.32107	0.15046	36	-0.89	1%	0
003.14	Fat, Ankom (%)	0581	17.780	0.10000	18.036	0.32107	0.15046	36	-0.80	1%	0
003.14	Fat, Ankom (%)	0144	17.820	0.04000	18.036	0.32107	0.15046	36	-0.67	1%	0
003.14	Fat, Ankom (%)	0186	17.900	0.20000	18.036	0.32107	0.15046	36	-0.42	0%	0
003.14	Fat, Ankom (%)	0520	17.900	0.04000	18.036	0.32107	0.15046	36	-0.42	0%	0
003.14	Fat, Ankom (%)	0956	17.900	0.20000	18.036	0.32107	0.15046	36	-0.42	0%	0
003.14	Fat, Ankom (%)	0037	17.905	0.01000	18.036	0.32107	0.15046	36	-0.41	0%	0
003.14	Fat, Ankom (%)	0948	17.905	0.01000	18.036	0.32107	0.15046	36	-0.41	0%	0
003.14	Fat, Ankom (%)	0066	17.950	0.20000	18.036	0.32107	0.15046	36	-0.27	0%	0
003.14	Fat, Ankom (%)	0598	17.955	0.11000	18.036	0.32107	0.15046	36	-0.25	0%	0
003.14	Fat, Ankom (%)	0108	18.005	0.11000	18.036	0.32107	0.15046	36	-0.10	0%	0
003.14	Fat, Ankom (%)	0682	18.010	0.00000	18.036	0.32107	0.15046	36	-0.08	0%	0
003.14	Fat, Ankom (%)	0574	18.015	0.01000	18.036	0.32107	0.15046	36	-0.07	0%	0
003.14	Fat, Ankom (%)	0968	18.026	0.14100	18.036	0.32107	0.15046	36	-0.03	0%	0
003.14	Fat, Ankom (%)	0202	18.035	0.11000	18.036	0.32107	0.15046	36	0.00	0%	0
003.14	Fat, Ankom (%)	0955	18.050	0.30000	18.036	0.32107	0.15046	36	0.04	0%	0
003.14	Fat, Ankom (%)	0529	18.050	0.28000	18.036	0.32107	0.15046	36	0.04	0%	0
003.14	Fat, Ankom (%)	0692	18.050	0.50000	18.036	0.32107	0.15046	36	0.04	0%	0
003.14	Fat, Ankom (%)	0407	18.083	0.25260	18.036	0.32107	0.15046	36	0.14	0%	0
003.14	Fat, Ankom (%)	0229	18.100	0.00000	18.036	0.32107	0.15046	36	0.20	0%	0
003.14	Fat, Ankom (%)	0190	18.190	0.06000	18.036	0.32107	0.15046	36	0.48	0%	0
003.14	Fat, Ankom (%)	0089	18.230	0.02000	18.036	0.32107	0.15046	36	0.60	1%	0
003.14	Fat, Ankom (%)	0726	18.255	0.01000	18.036	0.32107	0.15046	36	0.68	1%	0
003.14	Fat, Ankom (%)	0358	18.300	0.08000	18.036	0.32107	0.15046	36	0.82	1%	0
003.14	Fat, Ankom (%)	0001	18.302	0.18000	18.036	0.32107	0.15046	36	0.83	1%	0
003.14	Fat, Ankom (%)	0049	18.335	0.27000	18.036	0.32107	0.15046	36	0.93	1%	0
003.14	Fat, Ankom (%)	0848	18.500	0.02000	18.036	0.32107	0.15046	36	1.44	1%	0
003.14	Fat, Ankom (%)	0413	18.550	0.50000	18.036	0.32107	0.15046	36	1.60	1%	0
003.14	Fat, Ankom (%)	0876	18.675	0.25000	18.036	0.32107	0.15046	36	1.99	2%	0
003.14	Fat, Ankom (%)	0265	18.835	0.27000	18.036	0.32107	0.15046	36	2.49	2%	0
003.14	Fat, Ankom (%)	0183	19.509	0.11300	18.036	0.32107	0.15046	36	4.58	4%	0
003.14	Fat, Ankom (%)	0843	17.045	1.5500	18.036	0.32107	0.15046	36	-3.09	3%	1

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	
003.99	Fat, Miscellaneous (%)	2144	17.850	0.04000	19.302	1.4358	0.26333	6	-1.01	4%	0
003.99	Fat, Miscellaneous (%)	0536	18.110	0.16000	19.302	1.4358	0.26333	6	-0.83	3%	0
003.99	Fat, Miscellaneous (%)	0546	19.155	0.11000	19.302	1.4358	0.26333	6	-0.10	0%	0
003.99	Fat, Miscellaneous (%)	0941	19.270	0.04000	19.302	1.4358	0.26333	6	-0.02	0%	0
003.99	Fat, Miscellaneous (%)	0914	20.220	1.1000	19.302	1.4358	0.26333	6	0.64	2%	0
003.99	Fat, Miscellaneous (%)	2145	21.205	0.13000	19.302	1.4358	0.26333	6	1.33	5%	0
003.99	Fat, Miscellaneous (%)	0880	12.495	5.9900	19.302	1.4358	0.26333	6	-4.74	18%	1
004.00	Fiber, Crude, Asbestos Free (%)	0169	0.61500	0.03000	1.1288	0.18322	0.04948	16	-2.80	23%	0
004.00	Fiber, Crude, Asbestos Free (%)	0345	0.95500	0.01000	1.1288	0.18322	0.04948	16	-0.95	8%	0
004.00	Fiber, Crude, Asbestos Free (%)	0504	0.96500	0.05000	1.1288	0.18322	0.04948	16	-0.89	7%	0
004.00	Fiber, Crude, Asbestos Free (%)	2004	0.98800	0.02000	1.1288	0.18322	0.04948	16	-0.77	6%	0
004.00	Fiber, Crude, Asbestos Free (%)	0164	1.0000	0.00000	1.1288	0.18322	0.04948	16	-0.70	6%	0
004.00	Fiber, Crude, Asbestos Free (%)	0298	1.0200	0.02000	1.1288	0.18322	0.04948	16	-0.59	5%	0
004.00	Fiber, Crude, Asbestos Free (%)	0425	1.1000	0.00000	1.1288	0.18322	0.04948	16	-0.16	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	0171	1.1100	0.06000	1.1288	0.18322	0.04948	16	-0.10	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	0309	1.1303	0.00180	1.1288	0.18322	0.04948	16	0.01	0%	0
004.00	Fiber, Crude, Asbestos Free (%)	2076	1.1811	0.11990	1.1288	0.18322	0.04948	16	0.29	2%	0
004.00	Fiber, Crude, Asbestos Free (%)	0208	1.1900	0.12000	1.1288	0.18322	0.04948	16	0.33	3%	0
004.00	Fiber, Crude, Asbestos Free (%)	0884	1.2000	0.00000	1.1288	0.18322	0.04948	16	0.39	3%	0
004.00	Fiber, Crude, Asbestos Free (%)	2073	1.2550	0.11000	1.1288	0.18322	0.04948	16	0.69	6%	0
004.00	Fiber, Crude, Asbestos Free (%)	0175	1.3050	0.03000	1.1288	0.18322	0.04948	16	0.96	8%	0
004.00	Fiber, Crude, Asbestos Free (%)	0226	1.7500	0.10000	1.1288	0.18322	0.04948	16	3.39	28%	0
004.00	Fiber, Crude, Asbestos Free (%)	0354	2.0500	0.12000	1.1288	0.18322	0.04948	16	5.03	41%	0
004.00	Fiber, Crude, Asbestos Free (%)	0511	1.3500	0.50000	1.1288	0.18322	0.04948	16	1.21	10%	1
004.01	Fiber, Sing Filt (%)	0366	0.70000	0.00000				1			0
004.03	Fiber, Fritted Glass (%)	0353	1.0100	0.08000	1.3214	0.34978	0.19440	5			0
004.03	Fiber, Fritted Glass (%)	2033	1.1000	0.20000	1.3214	0.34978	0.19440	5			0
004.03	Fiber, Fritted Glass (%)	0693	1.2370	0.33200	1.3214	0.34978	0.19440	5			0
004.03	Fiber, Fritted Glass (%)	2089	1.3600	0.36000	1.3214	0.34978	0.19440	5			0
004.03	Fiber, Fritted Glass (%)	0045	1.9000	0.00000	1.3214	0.34978	0.19440	5			0
004.06	Fiber, Fibertec (%)	2022	0.95500	0.03000	1.2210	0.21074	0.06673	23	-1.26	11%	0
004.06	Fiber, Fibertec (%)	0720	0.97000	0.18000	1.2210	0.21074	0.06673	23	-1.19	10%	0
004.06	Fiber, Fibertec (%)	0941	0.97000	0.18000	1.2210	0.21074	0.06673	23	-1.19	10%	0
004.06	Fiber, Fibertec (%)	0878	1.0350	0.01000	1.2210	0.21074	0.06673	23	-0.88	8%	0
004.06	Fiber, Fibertec (%)	0885	1.0426	0.06290	1.2210	0.21074	0.06673	23	-0.85	7%	0
004.06	Fiber, Fibertec (%)	0918	1.0600	0.08000	1.2210	0.21074	0.06673	23	-0.76	7%	0
004.06	Fiber, Fibertec (%)	2068	1.0700	0.00000	1.2210	0.21074	0.06673	23	-0.72	6%	0
004.06	Fiber, Fibertec (%)	2006	1.1000	0.10000	1.2210	0.21074	0.06673	23	-0.57	5%	0
004.06	Fiber, Fibertec (%)	0968	1.1145	0.04300	1.2210	0.21074	0.06673	23	-0.51	4%	0
004.06	Fiber, Fibertec (%)	0948	1.1300	0.02000	1.2210	0.21074	0.06673	23	-0.43	4%	0
004.06	Fiber, Fibertec (%)	2149	1.1665	0.28700	1.2210	0.21074	0.06673	23	-0.26	2%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
004.06	Fiber, Fibertec (%)	0893	1.2100	0.00000	1.2210	0.21074	0.06673	23	-0.05	0%	0
004.06	Fiber, Fibertec (%)	0512	1.2485	0.24500	1.2210	0.21074	0.06673	23	0.13	1%	0
004.06	Fiber, Fibertec (%)	0895	1.2550	0.01000	1.2210	0.21074	0.06673	23	0.16	1%	0
004.06	Fiber, Fibertec (%)	0903	1.3150	0.01000	1.2210	0.21074	0.06673	23	0.45	4%	0
004.06	Fiber, Fibertec (%)	0897	1.3250	0.03000	1.2210	0.21074	0.06673	23	0.49	4%	0
004.06	Fiber, Fibertec (%)	0205	1.3450	0.13000	1.2210	0.21074	0.06673	23	0.59	5%	0
004.06	Fiber, Fibertec (%)	2062	1.3635	0.00100	1.2210	0.21074	0.06673	23	0.68	6%	0
004.06	Fiber, Fibertec (%)	0638	1.4000	0.00000	1.2210	0.21074	0.06673	23	0.85	7%	0
004.06	Fiber, Fibertec (%)	0027	1.4400	0.00600	1.2210	0.21074	0.06673	23	1.04	9%	0
004.06	Fiber, Fibertec (%)	0674	1.5000	0.00000	1.2210	0.21074	0.06673	23	1.32	11%	0
004.06	Fiber, Fibertec (%)	0676	1.5300	0.02000	1.2210	0.21074	0.06673	23	1.47	13%	0
004.06	Fiber, Fibertec (%)	0675	1.8050	0.09000	1.2210	0.21074	0.06673	23	2.77	24%	0
004.06	Fiber, Fibertec (%)	0590	1.2800	0.38000	1.2210	0.21074	0.06673	23	0.28	2%	1
004.06	Fiber, Fibertec (%)	0722	4.7307	0.01190	1.2210	0.21074	0.06673	23	16.65	144%	2
004.07	Fiber, ANKOM (%)	0708	0.26000	0.10000	1.2672	0.48411	0.17846	58	-2.08	40%	0
004.07	Fiber, ANKOM (%)	0265	0.43500	0.01000	1.2672	0.48411	0.17846	58	-1.72	33%	0
004.07	Fiber, ANKOM (%)	0939	0.46500	0.19000	1.2672	0.48411	0.17846	58	-1.66	32%	0
004.07	Fiber, ANKOM (%)	2009	0.49945	0.01990	1.2672	0.48411	0.17846	58	-1.59	30%	0
004.07	Fiber, ANKOM (%)	0619	0.61100	0.14200	1.2672	0.48411	0.17846	58	-1.36	26%	0
004.07	Fiber, ANKOM (%)	0144	0.75000	0.18000	1.2672	0.48411	0.17846	58	-1.07	20%	0
004.07	Fiber, ANKOM (%)	0354	0.77500	0.01000	1.2672	0.48411	0.17846	58	-1.02	19%	0
004.07	Fiber, ANKOM (%)	0242	0.80500	0.15000	1.2672	0.48411	0.17846	58	-0.95	18%	0
004.07	Fiber, ANKOM (%)	0968	0.80900	0.02000	1.2672	0.48411	0.17846	58	-0.95	18%	0
004.07	Fiber, ANKOM (%)	0552	0.86000	0.14000	1.2672	0.48411	0.17846	58	-0.84	16%	0
004.07	Fiber, ANKOM (%)	0876	0.88000	0.02000	1.2672	0.48411	0.17846	58	-0.80	15%	0
004.07	Fiber, ANKOM (%)	0529	0.94000	0.00000	1.2672	0.48411	0.17846	58	-0.68	13%	0
004.07	Fiber, ANKOM (%)	0910	0.95000	0.10000	1.2672	0.48411	0.17846	58	-0.66	13%	0
004.07	Fiber, ANKOM (%)	0581	1.0000	0.20000	1.2672	0.48411	0.17846	58	-0.55	11%	0
004.07	Fiber, ANKOM (%)	0505	1.0050	0.19000	1.2672	0.48411	0.17846	58	-0.54	10%	0
004.07	Fiber, ANKOM (%)	0297	1.0100	0.06000	1.2672	0.48411	0.17846	58	-0.53	10%	0
004.07	Fiber, ANKOM (%)	0003	1.0150	0.25000	1.2672	0.48411	0.17846	58	-0.52	10%	0
004.07	Fiber, ANKOM (%)	0042	1.0500	0.00000	1.2672	0.48411	0.17846	58	-0.45	9%	0
004.07	Fiber, ANKOM (%)	0100	1.0500	0.02000	1.2672	0.48411	0.17846	58	-0.45	9%	0
004.07	Fiber, ANKOM (%)	2053	1.0500	0.04000	1.2672	0.48411	0.17846	58	-0.45	9%	0
004.07	Fiber, ANKOM (%)	0563	1.0656	0.26340	1.2672	0.48411	0.17846	58	-0.42	8%	0
004.07	Fiber, ANKOM (%)	0033	1.0800	0.10000	1.2672	0.48411	0.17846	58	-0.39	7%	0
004.07	Fiber, ANKOM (%)	0536	1.0950	0.23000	1.2672	0.48411	0.17846	58	-0.36	7%	0
004.07	Fiber, ANKOM (%)	0413	1.1000	0.00000	1.2672	0.48411	0.17846	58	-0.35	7%	0
004.07	Fiber, ANKOM (%)	0682	1.1000	0.00000	1.2672	0.48411	0.17846	58	-0.35	7%	0
004.07	Fiber, ANKOM (%)	0726	1.1000	0.00000	1.2672	0.48411	0.17846	58	-0.35	7%	0
004.07	Fiber, ANKOM (%)	0646	1.1200	0.02000	1.2672	0.48411	0.17846	58	-0.30	6%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
004.07	Fiber, ANKOM (%)	0644	1.1345	0.01700	1.2672	0.48411	0.17846	58	-0.27	5%	0
004.07	Fiber, ANKOM (%)	0626	1.1600	0.28000	1.2672	0.48411	0.17846	58	-0.22	4%	0
004.07	Fiber, ANKOM (%)	0861	1.1800	0.06000	1.2672	0.48411	0.17846	58	-0.18	3%	0
004.07	Fiber, ANKOM (%)	0692	1.2000	0.20000	1.2672	0.48411	0.17846	58	-0.14	3%	0
004.07	Fiber, ANKOM (%)	0190	1.2500	0.10000	1.2672	0.48411	0.17846	58	-0.04	1%	0
004.07	Fiber, ANKOM (%)	0948	1.2550	0.07000	1.2672	0.48411	0.17846	58	-0.03	0%	0
004.07	Fiber, ANKOM (%)	0683	1.2750	0.27000	1.2672	0.48411	0.17846	58	0.02	0%	0
004.07	Fiber, ANKOM (%)	0653	1.3700	0.06000	1.2672	0.48411	0.17846	58	0.21	4%	0
004.07	Fiber, ANKOM (%)	0955	1.3950	0.07000	1.2672	0.48411	0.17846	58	0.26	5%	0
004.07	Fiber, ANKOM (%)	0123	1.4100	0.06000	1.2672	0.48411	0.17846	58	0.29	6%	0
004.07	Fiber, ANKOM (%)	0066	1.4150	0.09000	1.2672	0.48411	0.17846	58	0.31	6%	0
004.07	Fiber, ANKOM (%)	0263	1.4266	0.04000	1.2672	0.48411	0.17846	58	0.33	6%	0
004.07	Fiber, ANKOM (%)	0956	1.4500	0.50000	1.2672	0.48411	0.17846	58	0.38	7%	0
004.07	Fiber, ANKOM (%)	0870	1.4549	0.04030	1.2672	0.48411	0.17846	58	0.39	7%	0
004.07	Fiber, ANKOM (%)	0028	1.5000	0.20000	1.2672	0.48411	0.17846	58	0.48	9%	0
004.07	Fiber, ANKOM (%)	0089	1.5100	0.02000	1.2672	0.48411	0.17846	58	0.50	10%	0
004.07	Fiber, ANKOM (%)	0520	1.6000	0.10000	1.2672	0.48411	0.17846	58	0.69	13%	0
004.07	Fiber, ANKOM (%)	0202	1.6350	0.43000	1.2672	0.48411	0.17846	58	0.76	15%	0
004.07	Fiber, ANKOM (%)	0553	1.6450	0.15000	1.2672	0.48411	0.17846	58	0.78	15%	0
004.07	Fiber, ANKOM (%)	0083	1.6500	0.20000	1.2672	0.48411	0.17846	58	0.79	15%	0
004.07	Fiber, ANKOM (%)	0294	1.6500	0.10000	1.2672	0.48411	0.17846	58	0.79	15%	0
004.07	Fiber, ANKOM (%)	0229	1.8050	0.01000	1.2672	0.48411	0.17846	58	1.11	21%	0
004.07	Fiber, ANKOM (%)	0019	1.8800	0.06000	1.2672	0.48411	0.17846	58	1.27	24%	0
004.07	Fiber, ANKOM (%)	0034	1.9100	0.64000	1.2672	0.48411	0.17846	58	1.33	25%	0
004.07	Fiber, ANKOM (%)	0849	2.0920	0.01600	1.2672	0.48411	0.17846	58	1.70	33%	0
004.07	Fiber, ANKOM (%)	0407	2.2604	0.09180	1.2672	0.48411	0.17846	58	2.05	39%	0
004.07	Fiber, ANKOM (%)	0848	2.2900	0.78000	1.2672	0.48411	0.17846	58	2.11	40%	0
004.07	Fiber, ANKOM (%)	0510	2.6000	0.60000	1.2672	0.48411	0.17846	58	2.75	53%	0
004.07	Fiber, ANKOM (%)	0032	2.6600	1.3600	1.2672	0.48411	0.17846	58	2.88	55%	0
004.07	Fiber, ANKOM (%)	2012	4.8600	0.28000	1.2672	0.48411	0.17846	58	7.42	142%	0
004.07	Fiber, ANKOM (%)	0278	9.8000	1.0000	1.2672	0.48411	0.17846	58	17.63	337%	0
004.07	Fiber, ANKOM (%)	0598	151.00	14.000	1.2672	0.48411	0.17846	58	309.30	5908%	2
004.11	Fiber, NIR (%)	0011	1.7000	0.66000				1			0
004.11	Fiber, NIR (%)	0720	0.00000	0.00000				1			4
004.99	Fiber, Miscellaneous (%)	2145	0.76500	0.05000				3			0
004.99	Fiber, Miscellaneous (%)	0940	1.0450	0.05000				3			0
004.99	Fiber, Miscellaneous (%)	2144	1.7700	0.06000				3			0
005.00	Ash, 2h @ 600°C (%)	0874	10.385	0.13000	10.800	0.11611	0.07611	94	-3.58	2%	0
005.00	Ash, 2h @ 600°C (%)	0674	10.410	0.00000	10.800	0.11611	0.07611	94	-3.36	2%	0
005.00	Ash, 2h @ 600°C (%)	0027	10.534	0.37700	10.800	0.11611	0.07611	94	-2.30	1%	0
005.00	Ash, 2h @ 600°C (%)	0169	10.540	0.04000	10.800	0.11611	0.07611	94	-2.24	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
005.00	Ash, 2h @ 600°C (%)	0278	10.555	0.01000	10.800	0.11611	0.07611	94	-2.11	1%	0
005.00	Ash, 2h @ 600°C (%)	2033	10.600	0.20000	10.800	0.11611	0.07611	94	-1.72	1%	0
005.00	Ash, 2h @ 600°C (%)	0539	10.600	0.06000	10.800	0.11611	0.07611	94	-1.72	1%	0
005.00	Ash, 2h @ 600°C (%)	0358	10.615	0.15000	10.800	0.11611	0.07611	94	-1.60	1%	0
005.00	Ash, 2h @ 600°C (%)	0098	10.620	0.02000	10.800	0.11611	0.07611	94	-1.55	1%	0
005.00	Ash, 2h @ 600°C (%)	0581	10.655	0.27000	10.800	0.11611	0.07611	94	-1.25	1%	0
005.00	Ash, 2h @ 600°C (%)	0144	10.655	0.05000	10.800	0.11611	0.07611	94	-1.25	1%	0
005.00	Ash, 2h @ 600°C (%)	0589	10.665	0.27000	10.800	0.11611	0.07611	94	-1.17	1%	0
005.00	Ash, 2h @ 600°C (%)	0643	10.675	0.01000	10.800	0.11611	0.07611	94	-1.08	1%	0
005.00	Ash, 2h @ 600°C (%)	0876	10.685	0.01000	10.800	0.11611	0.07611	94	-0.99	1%	0
005.00	Ash, 2h @ 600°C (%)	0541	10.685	0.07000	10.800	0.11611	0.07611	94	-0.99	1%	0
005.00	Ash, 2h @ 600°C (%)	0004	10.690	0.04000	10.800	0.11611	0.07611	94	-0.95	1%	0
005.00	Ash, 2h @ 600°C (%)	0651	10.695	0.02800	10.800	0.11611	0.07611	94	-0.91	0%	0
005.00	Ash, 2h @ 600°C (%)	0019	10.700	0.00000	10.800	0.11611	0.07611	94	-0.86	0%	0
005.00	Ash, 2h @ 600°C (%)	0047	10.700	0.00000	10.800	0.11611	0.07611	94	-0.86	0%	0
005.00	Ash, 2h @ 600°C (%)	2012	10.715	0.01000	10.800	0.11611	0.07611	94	-0.73	0%	0
005.00	Ash, 2h @ 600°C (%)	0693	10.716	0.11700	10.800	0.11611	0.07611	94	-0.73	0%	0
005.00	Ash, 2h @ 600°C (%)	0049	10.725	0.15000	10.800	0.11611	0.07611	94	-0.65	0%	0
005.00	Ash, 2h @ 600°C (%)	0164	10.725	0.01000	10.800	0.11611	0.07611	94	-0.65	0%	0
005.00	Ash, 2h @ 600°C (%)	0175	10.730	0.02000	10.800	0.11611	0.07611	94	-0.61	0%	0
005.00	Ash, 2h @ 600°C (%)	0001	10.732	0.00280	10.800	0.11611	0.07611	94	-0.59	0%	0
005.00	Ash, 2h @ 600°C (%)	0142	10.735	0.03000	10.800	0.11611	0.07611	94	-0.56	0%	0
005.00	Ash, 2h @ 600°C (%)	0520	10.735	0.03000	10.800	0.11611	0.07611	94	-0.56	0%	0
005.00	Ash, 2h @ 600°C (%)	0354	10.740	0.04000	10.800	0.11611	0.07611	94	-0.52	0%	0
005.00	Ash, 2h @ 600°C (%)	0425	10.745	0.05000	10.800	0.11611	0.07611	94	-0.48	0%	0
005.00	Ash, 2h @ 600°C (%)	0208	10.750	0.10000	10.800	0.11611	0.07611	94	-0.43	0%	0
005.00	Ash, 2h @ 600°C (%)	0148	10.755	0.01000	10.800	0.11611	0.07611	94	-0.39	0%	0
005.00	Ash, 2h @ 600°C (%)	2068	10.755	0.07000	10.800	0.11611	0.07611	94	-0.39	0%	0
005.00	Ash, 2h @ 600°C (%)	2089	10.760	0.02000	10.800	0.11611	0.07611	94	-0.35	0%	0
005.00	Ash, 2h @ 600°C (%)	0035	10.765	0.05000	10.800	0.11611	0.07611	94	-0.30	0%	0
005.00	Ash, 2h @ 600°C (%)	0229	10.765	0.21000	10.800	0.11611	0.07611	94	-0.30	0%	0
005.00	Ash, 2h @ 600°C (%)	2073	10.765	0.07000	10.800	0.11611	0.07611	94	-0.30	0%	0
005.00	Ash, 2h @ 600°C (%)	0675	10.775	0.03000	10.800	0.11611	0.07611	94	-0.22	0%	0
005.00	Ash, 2h @ 600°C (%)	0650	10.775	0.13000	10.800	0.11611	0.07611	94	-0.22	0%	0
005.00	Ash, 2h @ 600°C (%)	0123	10.780	0.18000	10.800	0.11611	0.07611	94	-0.17	0%	0
005.00	Ash, 2h @ 600°C (%)	0682	10.780	0.00000	10.800	0.11611	0.07611	94	-0.17	0%	0
005.00	Ash, 2h @ 600°C (%)	0870	10.783	0.00660	10.800	0.11611	0.07611	94	-0.15	0%	0
005.00	Ash, 2h @ 600°C (%)	0205	10.790	0.06000	10.800	0.11611	0.07611	94	-0.09	0%	0
005.00	Ash, 2h @ 600°C (%)	0511	10.790	0.06000	10.800	0.11611	0.07611	94	-0.09	0%	0
005.00	Ash, 2h @ 600°C (%)	0512	10.790	0.08000	10.800	0.11611	0.07611	94	-0.09	0%	0
005.00	Ash, 2h @ 600°C (%)	0171	10.795	0.03000	10.800	0.11611	0.07611	94	-0.05	0%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
005.00	Ash, 2h @ 600°C (%)	0505	10.795	0.01000	10.800	0.11611	0.07611	94	-0.05	0%	0
005.00	Ash, 2h @ 600°C (%)	0510	10.795	0.07000	10.800	0.11611	0.07611	94	-0.05	0%	0
005.00	Ash, 2h @ 600°C (%)	0598	10.795	0.01000	10.800	0.11611	0.07611	94	-0.05	0%	0
005.00	Ash, 2h @ 600°C (%)	0848	10.795	0.01000	10.800	0.11611	0.07611	94	-0.05	0%	0
005.00	Ash, 2h @ 600°C (%)	0051	10.800	0.00000	10.800	0.11611	0.07611	94	0.00	0%	0
005.00	Ash, 2h @ 600°C (%)	0242	10.800	0.16000	10.800	0.11611	0.07611	94	0.00	0%	0
005.00	Ash, 2h @ 600°C (%)	0956	10.800	0.00000	10.800	0.11611	0.07611	94	0.00	0%	0
005.00	Ash, 2h @ 600°C (%)	2006	10.800	0.02000	10.800	0.11611	0.07611	94	0.00	0%	0
005.00	Ash, 2h @ 600°C (%)	0504	10.805	0.01000	10.800	0.11611	0.07611	94	0.04	0%	0
005.00	Ash, 2h @ 600°C (%)	0653	10.805	0.03000	10.800	0.11611	0.07611	94	0.04	0%	0
005.00	Ash, 2h @ 600°C (%)	0083	10.815	0.17000	10.800	0.11611	0.07611	94	0.13	0%	0
005.00	Ash, 2h @ 600°C (%)	0529	10.830	0.10000	10.800	0.11611	0.07611	94	0.26	0%	0
005.00	Ash, 2h @ 600°C (%)	2022	10.830	0.04000	10.800	0.11611	0.07611	94	0.26	0%	0
005.00	Ash, 2h @ 600°C (%)	2053	10.835	0.03000	10.800	0.11611	0.07611	94	0.30	0%	0
005.00	Ash, 2h @ 600°C (%)	0861	10.845	0.11000	10.800	0.11611	0.07611	94	0.39	0%	0
005.00	Ash, 2h @ 600°C (%)	0033	10.850	0.10000	10.800	0.11611	0.07611	94	0.43	0%	0
005.00	Ash, 2h @ 600°C (%)	0045	10.850	0.10000	10.800	0.11611	0.07611	94	0.43	0%	0
005.00	Ash, 2h @ 600°C (%)	0226	10.850	0.10000	10.800	0.11611	0.07611	94	0.43	0%	0
005.00	Ash, 2h @ 600°C (%)	0623	10.852	0.09300	10.800	0.11611	0.07611	94	0.44	0%	0
005.00	Ash, 2h @ 600°C (%)	0722	10.855	0.00970	10.800	0.11611	0.07611	94	0.47	0%	0
005.00	Ash, 2h @ 600°C (%)	0622	10.858	0.04670	10.800	0.11611	0.07611	94	0.50	0%	0
005.00	Ash, 2h @ 600°C (%)	0407	10.867	0.01090	10.800	0.11611	0.07611	94	0.58	0%	0
005.00	Ash, 2h @ 600°C (%)	0563	10.872	0.04700	10.800	0.11611	0.07611	94	0.61	0%	0
005.00	Ash, 2h @ 600°C (%)	0139	10.875	0.03000	10.800	0.11611	0.07611	94	0.64	0%	0
005.00	Ash, 2h @ 600°C (%)	0015	10.880	0.12000	10.800	0.11611	0.07611	94	0.69	0%	0
005.00	Ash, 2h @ 600°C (%)	0298	10.880	0.02000	10.800	0.11611	0.07611	94	0.69	0%	0
005.00	Ash, 2h @ 600°C (%)	0552	10.880	0.40000	10.800	0.11611	0.07611	94	0.69	0%	0
005.00	Ash, 2h @ 600°C (%)	0953	10.880	0.24000	10.800	0.11611	0.07611	94	0.69	0%	0
005.00	Ash, 2h @ 600°C (%)	0968	10.887	0.02100	10.800	0.11611	0.07611	94	0.74	0%	0
005.00	Ash, 2h @ 600°C (%)	0918	10.890	0.06000	10.800	0.11611	0.07611	94	0.77	0%	0
005.00	Ash, 2h @ 600°C (%)	0553	10.895	0.09000	10.800	0.11611	0.07611	94	0.82	0%	0
005.00	Ash, 2h @ 600°C (%)	2150	10.895	0.05000	10.800	0.11611	0.07611	94	0.82	0%	0
005.00	Ash, 2h @ 600°C (%)	0108	10.900	0.04000	10.800	0.11611	0.07611	94	0.86	0%	0
005.00	Ash, 2h @ 600°C (%)	0357	10.900	0.00000	10.800	0.11611	0.07611	94	0.86	0%	0
005.00	Ash, 2h @ 600°C (%)	0309	10.920	0.10000	10.800	0.11611	0.07611	94	1.03	1%	0
005.00	Ash, 2h @ 600°C (%)	0353	10.925	0.05000	10.800	0.11611	0.07611	94	1.07	1%	0
005.00	Ash, 2h @ 600°C (%)	0646	10.925	0.01000	10.800	0.11611	0.07611	94	1.07	1%	0
005.00	Ash, 2h @ 600°C (%)	0630	10.940	0.00000	10.800	0.11611	0.07611	94	1.20	1%	0
005.00	Ash, 2h @ 600°C (%)	0017	10.950	0.10000	10.800	0.11611	0.07611	94	1.29	1%	0
005.00	Ash, 2h @ 600°C (%)	0186	10.950	0.10000	10.800	0.11611	0.07611	94	1.29	1%	0
005.00	Ash, 2h @ 600°C (%)	0366	10.950	0.10000	10.800	0.11611	0.07611	94	1.29	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	
005.00	Ash, 2h @ 600°C (%)	0100	11.000	0.06000	10.800	0.11611	0.07611	94	1.72	1%	0
005.00	Ash, 2h @ 600°C (%)	0345	11.000	0.20000	10.800	0.11611	0.07611	94	1.72	1%	0
005.00	Ash, 2h @ 600°C (%)	0615	11.030	0.02000	10.800	0.11611	0.07611	94	1.98	1%	0
005.00	Ash, 2h @ 600°C (%)	0618	11.084	0.13510	10.800	0.11611	0.07611	94	2.44	1%	0
005.00	Ash, 2h @ 600°C (%)	0852	11.085	0.01000	10.800	0.11611	0.07611	94	2.45	1%	0
005.00	Ash, 2h @ 600°C (%)	0297	11.150	0.30000	10.800	0.11611	0.07611	94	3.01	2%	0
005.00	Ash, 2h @ 600°C (%)	0948	11.195	0.01000	10.800	0.11611	0.07611	94	3.40	2%	0
005.00	Ash, 2h @ 600°C (%)	0265	11.635	0.31000	10.800	0.11611	0.07611	94	7.19	4%	0
005.00	Ash, 2h @ 600°C (%)	0880	11.060	0.60000	10.800	0.11611	0.07611	94	2.24	1%	1
005.02	Ash, LECO (%)	0644	10.770	0.06000				1			0
005.03	Ash, Microwave furnace (%)	0912	10.850	0.10000				1			0
005.05	Ash, 3h @ 550°C (%)	0893	10.690	0.00000	10.894	0.11583	0.05125	34	-1.76	1%	0
005.05	Ash, 3h @ 550°C (%)	0692	10.700	0.00000	10.894	0.11583	0.05125	34	-1.68	1%	0
005.05	Ash, 3h @ 550°C (%)	0066	10.725	0.07000	10.894	0.11583	0.05125	34	-1.46	1%	0
005.05	Ash, 3h @ 550°C (%)	0940	10.755	0.11000	10.894	0.11583	0.05125	34	-1.20	1%	0
005.05	Ash, 3h @ 550°C (%)	0941	10.760	0.08000	10.894	0.11583	0.05125	34	-1.16	1%	0
005.05	Ash, 3h @ 550°C (%)	0897	10.775	0.01000	10.894	0.11583	0.05125	34	-1.03	1%	0
005.05	Ash, 3h @ 550°C (%)	0726	10.785	0.01000	10.894	0.11583	0.05125	34	-0.94	1%	0
005.05	Ash, 3h @ 550°C (%)	0413	10.800	0.00000	10.894	0.11583	0.05125	34	-0.81	0%	0
005.05	Ash, 3h @ 550°C (%)	0263	10.805	0.01640	10.894	0.11583	0.05125	34	-0.77	0%	0
005.05	Ash, 3h @ 550°C (%)	2009	10.837	0.01750	10.894	0.11583	0.05125	34	-0.49	0%	0
005.05	Ash, 3h @ 550°C (%)	0903	10.855	0.01000	10.894	0.11583	0.05125	34	-0.34	0%	0
005.05	Ash, 3h @ 550°C (%)	0849	10.856	0.07200	10.894	0.11583	0.05125	34	-0.33	0%	0
005.05	Ash, 3h @ 550°C (%)	0689	10.865	0.01000	10.894	0.11583	0.05125	34	-0.25	0%	0
005.05	Ash, 3h @ 550°C (%)	0038	10.865	0.23000	10.894	0.11583	0.05125	34	-0.25	0%	0
005.05	Ash, 3h @ 550°C (%)	0003	10.880	0.00000	10.894	0.11583	0.05125	34	-0.12	0%	0
005.05	Ash, 3h @ 550°C (%)	0683	10.900	0.22000	10.894	0.11583	0.05125	34	0.05	0%	0
005.05	Ash, 3h @ 550°C (%)	0294	10.900	0.00000	10.894	0.11583	0.05125	34	0.05	0%	0
005.05	Ash, 3h @ 550°C (%)	0895	10.905	0.01000	10.894	0.11583	0.05125	34	0.09	0%	0
005.05	Ash, 3h @ 550°C (%)	0152	10.915	0.11000	10.894	0.11583	0.05125	34	0.18	0%	0
005.05	Ash, 3h @ 550°C (%)	0610	10.920	0.16000	10.894	0.11583	0.05125	34	0.22	0%	0
005.05	Ash, 3h @ 550°C (%)	0878	10.925	0.07000	10.894	0.11583	0.05125	34	0.27	0%	0
005.05	Ash, 3h @ 550°C (%)	0590	10.930	0.02000	10.894	0.11583	0.05125	34	0.31	0%	0
005.05	Ash, 3h @ 550°C (%)	0885	10.931	0.07160	10.894	0.11583	0.05125	34	0.32	0%	0
005.05	Ash, 3h @ 550°C (%)	0638	10.940	0.04000	10.894	0.11583	0.05125	34	0.40	0%	0
005.05	Ash, 3h @ 550°C (%)	0939	10.960	0.08000	10.894	0.11583	0.05125	34	0.57	0%	0
005.05	Ash, 3h @ 550°C (%)	2149	10.975	0.01500	10.894	0.11583	0.05125	34	0.69	0%	0
005.05	Ash, 3h @ 550°C (%)	0685	10.980	0.04000	10.894	0.11583	0.05125	34	0.74	0%	0
005.05	Ash, 3h @ 550°C (%)	2062	10.980	0.00000	10.894	0.11583	0.05125	34	0.74	0%	0
005.05	Ash, 3h @ 550°C (%)	2146	10.985	0.05000	10.894	0.11583	0.05125	34	0.78	0%	0
005.05	Ash, 3h @ 550°C (%)	0619	11.000	0.00000	10.894	0.11583	0.05125	34	0.91	0%	0



Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
005.05	Ash, 3h @ 550°C (%)	0720	11.050	0.02000	10.894	0.11583	0.05125	34	1.34	1%	0
005.05	Ash, 3h @ 550°C (%)	2129	11.085	0.17000	10.894	0.11583	0.05125	34	1.65	1%	0
005.05	Ash, 3h @ 550°C (%)	0955	11.100	0.00000	10.894	0.11583	0.05125	34	1.78	1%	0
005.05	Ash, 3h @ 550°C (%)	0190	11.115	0.03000	10.894	0.11583	0.05125	34	1.91	1%	0
005.11	Ash, NIR (%)	0889	6.2800	0.10000	10.929	3.5758	0.15000	5			0
005.11	Ash, NIR (%)	0297	9.3950	0.25000	10.929	3.5758	0.15000	5			0
005.11	Ash, NIR (%)	0720	9.9700	0.16000	10.929	3.5758	0.15000	5			0
005.11	Ash, NIR (%)	2105	13.885	0.17000	10.929	3.5758	0.15000	5			0
005.11	Ash, NIR (%)	0852	15.115	0.07000	10.929	3.5758	0.15000	5			0
005.99	Ash, Miscellaneous (%)	0546	10.390	0.04000	10.923	0.16886	0.05608	12	-3.15	2%	0
005.99	Ash, Miscellaneous (%)	0574	10.675	0.11000	10.923	0.16886	0.05608	12	-1.47	1%	0
005.99	Ash, Miscellaneous (%)	0536	10.830	0.08000	10.923	0.16886	0.05608	12	-0.55	0%	0
005.99	Ash, Miscellaneous (%)	2144	10.875	0.01000	10.923	0.16886	0.05608	12	-0.28	0%	0
005.99	Ash, Miscellaneous (%)	0652	10.900	0.00000	10.923	0.16886	0.05608	12	-0.13	0%	0
005.99	Ash, Miscellaneous (%)	0202	10.915	0.03000	10.923	0.16886	0.05608	12	-0.05	0%	0
005.99	Ash, Miscellaneous (%)	0884	10.950	0.10000	10.923	0.16886	0.05608	12	0.16	0%	0
005.99	Ash, Miscellaneous (%)	0629	10.985	0.05000	10.923	0.16886	0.05608	12	0.37	0%	0
005.99	Ash, Miscellaneous (%)	2145	10.990	0.06000	10.923	0.16886	0.05608	12	0.40	0%	0
005.99	Ash, Miscellaneous (%)	0728	11.019	0.08300	10.923	0.16886	0.05608	12	0.57	0%	0
005.99	Ash, Miscellaneous (%)	0676	11.115	0.01000	10.923	0.16886	0.05608	12	1.14	1%	0
005.99	Ash, Miscellaneous (%)	0910	11.150	0.10000	10.923	0.16886	0.05608	12	1.35	1%	0
006.00	Total sugars, As sucrose (%)	0910	0.85000	0.10000				1			0
006.01	Total sugars, Mod. Fehling Soln (%)	0407	0.24000	0.00000				1			0
006.99	Total sugars, Miscellaneous (%)	0956	0.55000	0.10000				1			0
006.99	Total sugars, Miscellaneous (%)	0720	0.00000	0.00000				1			4
008.02	Fiber, Acid Detergent (%)	0948	1.6300	0.04000	2.5469	0.74831	0.12149	11	-1.23	18%	0
008.02	Fiber, Acid Detergent (%)	0590	1.9000	0.20000	2.5469	0.74831	0.12149	11	-0.86	13%	0
008.02	Fiber, Acid Detergent (%)	0676	2.0200	0.10000	2.5469	0.74831	0.12149	11	-0.70	10%	0
008.02	Fiber, Acid Detergent (%)	0208	2.2200	0.04000	2.5469	0.74831	0.12149	11	-0.44	6%	0
008.02	Fiber, Acid Detergent (%)	0939	2.3450	0.37000	2.5469	0.74831	0.12149	11	-0.27	4%	0
008.02	Fiber, Acid Detergent (%)	0353	2.4600	0.14000	2.5469	0.74831	0.12149	11	-0.12	2%	0
008.02	Fiber, Acid Detergent (%)	0885	2.5045	0.02530	2.5469	0.74831	0.12149	11	-0.06	1%	0
008.02	Fiber, Acid Detergent (%)	0148	2.7150	0.01000	2.5469	0.74831	0.12149	11	0.22	3%	0
008.02	Fiber, Acid Detergent (%)	0309	2.8826	0.02110	2.5469	0.74831	0.12149	11	0.45	7%	0
008.02	Fiber, Acid Detergent (%)	0226	4.1500	0.10000	2.5469	0.74831	0.12149	11	2.14	31%	0
008.02	Fiber, Acid Detergent (%)	0675	5.6150	0.29000	2.5469	0.74831	0.12149	11	4.10	60%	0
008.05	Fiber, Acid Detergent-Hach (%)	0265	5.9000	0.80000				1			0
008.08	Fiber, Acid Detergent, ANKOM (%)	0910	1.8750	0.07000	3.9367	1.6271	0.23977	36	-1.27	26%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0956	1.9500	0.50000	3.9367	1.6271	0.23977	36	-1.22	25%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0870	2.1050	0.08570	3.9367	1.6271	0.23977	36	-1.13	23%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0861	2.2700	0.22000	3.9367	1.6271	0.23977	36	-1.02	21%	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 (%)	0066	2.3650	0.17000	3.9367	1.6271	0.23977	36	-0.97	20%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0581	2.3650	0.11000	3.9367	1.6271	0.23977	36	-0.97	20%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0358	2.5450	0.11000	3.9367	1.6271	0.23977	36	-0.86	18%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0619	2.6200	0.44000	3.9367	1.6271	0.23977	36	-0.81	17%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0297	2.6800	0.00000	3.9367	1.6271	0.23977	36	-0.77	16%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0413	2.7000	0.20000	3.9367	1.6271	0.23977	36	-0.76	16%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0148	2.7600	0.66000	3.9367	1.6271	0.23977	36	-0.72	15%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0033	2.9150	0.03000	3.9367	1.6271	0.23977	36	-0.63	13%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0918	3.0362	0.42850	3.9367	1.6271	0.23977	36	-0.55	11%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0646	3.1450	0.19000	3.9367	1.6271	0.23977	36	-0.49	10%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0354	3.1850	0.07000	3.9367	1.6271	0.23977	36	-0.46	10%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	2004	3.3550	0.13000	3.9367	1.6271	0.23977	36	-0.36	7%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0263	3.4338	0.02750	3.9367	1.6271	0.23977	36	-0.31	6%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	2129	3.6400	0.16000	3.9367	1.6271	0.23977	36	-0.18	4%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0049	3.6600	1.0000	3.9367	1.6271	0.23977	36	-0.17	4%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0190	3.7850	0.07000	3.9367	1.6271	0.23977	36	-0.09	2%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0726	3.8700	0.06000	3.9367	1.6271	0.23977	36	-0.04	1%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0529	4.2150	0.11000	3.9367	1.6271	0.23977	36	0.17	4%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0004	4.3200	0.18000	3.9367	1.6271	0.23977	36	0.24	5%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0001	4.6800	0.06000	3.9367	1.6271	0.23977	36	0.46	9%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0278	4.9500	0.10000	3.9367	1.6271	0.23977	36	0.62	13%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0357	5.0000	0.00000	3.9367	1.6271	0.23977	36	0.65	14%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0096	5.1550	0.25000	3.9367	1.6271	0.23977	36	0.75	15%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0037	5.1750	0.35000	3.9367	1.6271	0.23977	36	0.76	16%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0164	5.5000	0.00000	3.9367	1.6271	0.23977	36	0.96	20%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0045	5.6650	0.43000	3.9367	1.6271	0.23977	36	1.06	22%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0693	5.6770	0.73600	3.9367	1.6271	0.23977	36	1.07	22%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0083	5.8550	0.21000	3.9367	1.6271	0.23977	36	1.18	24%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0536	6.1650	0.97000	3.9367	1.6271	0.23977	36	1.37	28%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0294	6.3500	0.10000	3.9367	1.6271	0.23977	36	1.48	31%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0407	6.8629	0.05410	3.9367	1.6271	0.23977	36	1.80	37%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	2012	7.1050	0.35000	3.9367	1.6271	0.23977	36	1.95	40%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0848	8.6550	1.8300	3.9367	1.6271	0.23977	36	2.90	60%	1
008.99	Fiber, Acid Detergent Miscellaneous (%)	0720	0.54000	0.22000				2			0
008.99	Fiber, Acid Detergent Miscellaneous (%)	0610	3.3500	0.30000				2			0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0353	7.5650	0.53000	13.341	6.7142	0.76618	8	-0.86	22%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0226	8.2500	0.10000	13.341	6.7142	0.76618	8	-0.76	19%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0675	9.4150	0.75000	13.341	6.7142	0.76618	8	-0.58	15%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0309	9.4534	0.29940	13.341	6.7142	0.76618	8	-0.58	15%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0610	12.100	0.80000	13.341	6.7142	0.76618	8	-0.18	5%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0590	16.495	2.1900	13.341	6.7142	0.76618	8	0.47	12%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
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009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0676	20.400	1.3600	13.341	6.7142	0.76618	8	1.05	26%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0208	23.050	0.10000	13.341	6.7142	0.76618	8	1.45	36%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0910	11.450	5.1000	13.341	6.7142	0.76618	8	-0.28	7%	1
009.09	Fiber, Neutral Detergent, ANKOM (%)	2004	6.7100	0.02000	11.310	4.3440	0.63323	38	-1.06	20%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0297	6.7300	1.0200	11.310	4.3440	0.63323	38	-1.05	20%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0948	6.8500	0.26000	11.310	4.3440	0.63323	38	-1.03	20%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0263	7.1050	0.05500	11.310	4.3440	0.63323	38	-0.97	19%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0870	7.3786	0.34740	11.310	4.3440	0.63323	38	-0.90	17%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0148	7.6750	0.81000	11.310	4.3440	0.63323	38	-0.84	16%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0015	7.8100	0.76000	11.310	4.3440	0.63323	38	-0.81	15%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0581	7.9150	0.25000	11.310	4.3440	0.63323	38	-0.78	15%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0619	8.1000	0.28000	11.310	4.3440	0.63323	38	-0.74	14%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0939	8.2600	0.66000	11.310	4.3440	0.63323	38	-0.70	13%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0693	8.4445	0.06700	11.310	4.3440	0.63323	38	-0.66	13%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0638	8.5000	0.20000	11.310	4.3440	0.63323	38	-0.65	12%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0956	8.7000	1.2000	11.310	4.3440	0.63323	38	-0.60	12%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0646	8.7400	0.58000	11.310	4.3440	0.63323	38	-0.59	11%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0918	8.8462	0.26580	11.310	4.3440	0.63323	38	-0.57	11%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0096	8.8900	1.1000	11.310	4.3440	0.63323	38	-0.56	11%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0001	9.2500	0.84000	11.310	4.3440	0.63323	38	-0.47	9%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0536	9.5550	0.73000	11.310	4.3440	0.63323	38	-0.40	8%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0066	10.035	0.27000	11.310	4.3440	0.63323	38	-0.29	6%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0083	10.190	0.56000	11.310	4.3440	0.63323	38	-0.26	5%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0357	10.750	0.10000	11.310	4.3440	0.63323	38	-0.13	2%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0358	11.140	0.42000	11.310	4.3440	0.63323	38	-0.04	1%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	2129	11.370	0.36000	11.310	4.3440	0.63323	38	0.01	0%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0265	11.400	0.60000	11.310	4.3440	0.63323	38	0.02	0%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0294	12.350	0.30000	11.310	4.3440	0.63323	38	0.24	5%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0049	12.355	0.27000	11.310	4.3440	0.63323	38	0.24	5%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0598	13.010	3.3000	11.310	4.3440	0.63323	38	0.39	8%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0354	13.130	0.10000	11.310	4.3440	0.63323	38	0.42	8%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0037	13.900	1.2200	11.310	4.3440	0.63323	38	0.60	11%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0510	14.500	0.20000	11.310	4.3440	0.63323	38	0.73	14%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0278	15.400	1.0000	11.310	4.3440	0.63323	38	0.94	18%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0407	18.316	0.06750	11.310	4.3440	0.63323	38	1.61	31%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	2012	19.490	0.36000	11.310	4.3440	0.63323	38	1.88	36%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0413	19.900	0.00000	11.310	4.3440	0.63323	38	1.98	38%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0726	22.820	2.0800	11.310	4.3440	0.63323	38	2.65	51%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0190	23.850	0.10000	11.310	4.3440	0.63323	38	2.89	55%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0045	24.600	0.20000	11.310	4.3440	0.63323	38	3.06	59%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0848	33.925	3.1100	11.310	4.3440	0.63323	38	5.21	100%	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	
009.09	Fiber, Neutral Detergent, ANKOM (%)	0861	8.2800	3.6600	11.310	4.3440	0.63323	38	-0.70	13%	1
009.99	Fiber, Neutral Det Miscellaneous (%)	0728	8.9400	0.98000				1			0
009.99	Fiber, Neutral Det Miscellaneous (%)	0720	0.00000	0.00000				1			4
010.03	Moisture, Karl-Fischer (%)	0843	4.2600	0.18000				2			0
010.03	Moisture, Karl-Fischer (%)	0208	4.9300	0.06000				2			0
010.11	Moisture, NIR (%)	0852	3.3800	0.02000	4.5363	1.1598	0.03750	4			0
010.11	Moisture, NIR (%)	2105	3.7350	0.05000	4.5363	1.1598	0.03750	4			0
010.11	Moisture, NIR (%)	0720	5.2500	0.06000	4.5363	1.1598	0.03750	4			0
010.11	Moisture, NIR (%)	0889	5.7800	0.02000	4.5363	1.1598	0.03750	4			0
010.11	Moisture, NIR (%)	0152	5.4000	0.20000	4.5363	1.1598	0.03750	4			1
010.99	Moisture, Miscellaneous (%)	0546	4.1850	0.03000	4.9347	0.26243	0.04564	19	-2.86	8%	0
010.99	Moisture, Miscellaneous (%)	0028	4.4650	0.01000	4.9347	0.26243	0.04564	19	-1.79	5%	0
010.99	Moisture, Miscellaneous (%)	0722	4.6607	0.07720	4.9347	0.26243	0.04564	19	-1.04	3%	0
010.99	Moisture, Miscellaneous (%)	2004	4.7300	0.04000	4.9347	0.26243	0.04564	19	-0.78	2%	0
010.99	Moisture, Miscellaneous (%)	0884	4.8000	0.00000	4.9347	0.26243	0.04564	19	-0.51	1%	0
010.99	Moisture, Miscellaneous (%)	0921	4.8200	0.00000	4.9347	0.26243	0.04564	19	-0.44	1%	0
010.99	Moisture, Miscellaneous (%)	2145	4.8800	0.00000	4.9347	0.26243	0.04564	19	-0.21	1%	0
010.99	Moisture, Miscellaneous (%)	2089	4.8900	0.04000	4.9347	0.26243	0.04564	19	-0.17	0%	0
010.99	Moisture, Miscellaneous (%)	0939	4.9100	0.16000	4.9347	0.26243	0.04564	19	-0.09	0%	0
010.99	Moisture, Miscellaneous (%)	0652	4.9500	0.10000	4.9347	0.26243	0.04564	19	0.06	0%	0
010.99	Moisture, Miscellaneous (%)	0692	4.9500	0.10000	4.9347	0.26243	0.04564	19	0.06	0%	0
010.99	Moisture, Miscellaneous (%)	0948	4.9550	0.03000	4.9347	0.26243	0.04564	19	0.08	0%	0
010.99	Moisture, Miscellaneous (%)	2129	4.9700	0.04000	4.9347	0.26243	0.04564	19	0.13	0%	0
010.99	Moisture, Miscellaneous (%)	2150	5.0600	0.04000	4.9347	0.26243	0.04564	19	0.48	1%	0
010.99	Moisture, Miscellaneous (%)	0405	5.0700	0.14000	4.9347	0.26243	0.04564	19	0.52	1%	0
010.99	Moisture, Miscellaneous (%)	2144	5.0700	0.02000	4.9347	0.26243	0.04564	19	0.52	1%	0
010.99	Moisture, Miscellaneous (%)	0726	5.3050	0.01000	4.9347	0.26243	0.04564	19	1.41	4%	0
010.99	Moisture, Miscellaneous (%)	0190	5.3750	0.01000	4.9347	0.26243	0.04564	19	1.68	4%	0
010.99	Moisture, Miscellaneous (%)	2076	5.8700	0.02000	4.9347	0.26243	0.04564	19	3.56	9%	0
011.01	Loss on Drying, 135°C 2hr (%)	0345	4.1600	0.08000	5.3764	0.29221	0.11414	71	-4.16	11%	0
011.01	Loss on Drying, 135°C 2hr (%)	0536	4.5050	0.05000	5.3764	0.29221	0.11414	71	-2.98	8%	0
011.01	Loss on Drying, 135°C 2hr (%)	0848	4.6450	0.07000	5.3764	0.29221	0.11414	71	-2.50	7%	0
011.01	Loss on Drying, 135°C 2hr (%)	0510	4.9000	0.20000	5.3764	0.29221	0.11414	71	-1.63	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	2073	4.9350	0.01000	5.3764	0.29221	0.11414	71	-1.51	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0108	4.9750	0.05000	5.3764	0.29221	0.11414	71	-1.37	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0574	4.9850	0.05000	5.3764	0.29221	0.11414	71	-1.34	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0874	5.0100	0.04000	5.3764	0.29221	0.11414	71	-1.25	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0298	5.0200	0.02000	5.3764	0.29221	0.11414	71	-1.22	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0953	5.0350	0.05000	5.3764	0.29221	0.11414	71	-1.17	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0511	5.1200	0.52000	5.3764	0.29221	0.11414	71	-0.88	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0553	5.1550	0.13000	5.3764	0.29221	0.11414	71	-0.76	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	
011.01	Loss on Drying, 135°C 2hr (%)	0598	5.1750	0.03000	5.3764	0.29221	0.11414	71	-0.69	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0208	5.1800	0.12000	5.3764	0.29221	0.11414	71	-0.67	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0682	5.1900	0.00000	5.3764	0.29221	0.11414	71	-0.64	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0226	5.2000	0.00000	5.3764	0.29221	0.11414	71	-0.60	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0100	5.2050	0.11000	5.3764	0.29221	0.11414	71	-0.59	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0870	5.2100	0.10890	5.3764	0.29221	0.11414	71	-0.57	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0033	5.2100	0.04000	5.3764	0.29221	0.11414	71	-0.57	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0563	5.2118	0.41020	5.3764	0.29221	0.11414	71	-0.56	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0354	5.2150	0.01000	5.3764	0.29221	0.11414	71	-0.55	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0541	5.2300	0.88000	5.3764	0.29221	0.11414	71	-0.50	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0675	5.2300	0.02000	5.3764	0.29221	0.11414	71	-0.50	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0615	5.2800	0.06000	5.3764	0.29221	0.11414	71	-0.33	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	2006	5.2850	0.03000	5.3764	0.29221	0.11414	71	-0.31	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0202	5.2900	0.08000	5.3764	0.29221	0.11414	71	-0.30	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	2031	5.2950	0.83890	5.3764	0.29221	0.11414	71	-0.28	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0229	5.2950	0.01000	5.3764	0.29221	0.11414	71	-0.28	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0876	5.2950	0.01000	5.3764	0.29221	0.11414	71	-0.28	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0294	5.3000	0.00000	5.3764	0.29221	0.11414	71	-0.26	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0233	5.3100	0.02000	5.3764	0.29221	0.11414	71	-0.23	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0589	5.3100	0.60000	5.3764	0.29221	0.11414	71	-0.23	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0650	5.3100	0.24000	5.3764	0.29221	0.11414	71	-0.23	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0407	5.3102	0.00170	5.3764	0.29221	0.11414	71	-0.23	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0148	5.3250	0.01000	5.3764	0.29221	0.11414	71	-0.18	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0171	5.3300	0.12000	5.3764	0.29221	0.11414	71	-0.16	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0653	5.3300	0.00000	5.3764	0.29221	0.11414	71	-0.16	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0674	5.3300	0.00000	5.3764	0.29221	0.11414	71	-0.16	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	2033	5.3450	0.03000	5.3764	0.29221	0.11414	71	-0.11	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0144	5.3600	0.08000	5.3764	0.29221	0.11414	71	-0.06	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0722	5.3819	0.21490	5.3764	0.29221	0.11414	71	0.02	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0968	5.3915	0.02500	5.3764	0.29221	0.11414	71	0.05	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0242	5.4050	0.01000	5.3764	0.29221	0.11414	71	0.10	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0552	5.4200	0.32000	5.3764	0.29221	0.11414	71	0.15	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0520	5.4500	0.10000	5.3764	0.29221	0.11414	71	0.25	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	2097	5.4560	0.07150	5.3764	0.29221	0.11414	71	0.27	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0098	5.4650	0.07000	5.3764	0.29221	0.11414	71	0.30	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0263	5.4650	0.07000	5.3764	0.29221	0.11414	71	0.30	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0646	5.5050	0.03000	5.3764	0.29221	0.11414	71	0.44	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0066	5.5200	0.12000	5.3764	0.29221	0.11414	71	0.49	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0051	5.5250	0.21000	5.3764	0.29221	0.11414	71	0.51	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0622	5.5690	0.04080	5.3764	0.29221	0.11414	71	0.66	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0205	5.6000	0.16000	5.3764	0.29221	0.11414	71	0.77	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	
011.01	Loss on Drying, 135°C 2hr (%)	0539	5.6000	0.22000	5.3764	0.29221	0.11414	71	0.77	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0123	5.6050	0.03000	5.3764	0.29221	0.11414	71	0.78	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0728	5.6155	0.01100	5.3764	0.29221	0.11414	71	0.82	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0164	5.6300	0.00000	5.3764	0.29221	0.11414	71	0.87	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0623	5.6340	0.30800	5.3764	0.29221	0.11414	71	0.88	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0047	5.6500	0.10000	5.3764	0.29221	0.11414	71	0.94	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0309	5.6600	0.10000	5.3764	0.29221	0.11414	71	0.97	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0955	5.6750	0.17000	5.3764	0.29221	0.11414	71	1.02	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0859	5.7195	0.04100	5.3764	0.29221	0.11414	71	1.17	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0685	5.7500	0.02000	5.3764	0.29221	0.11414	71	1.28	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	2022	5.7950	0.03000	5.3764	0.29221	0.11414	71	1.43	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0265	5.8000	0.00000	5.3764	0.29221	0.11414	71	1.45	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	2068	5.8200	0.00000	5.3764	0.29221	0.11414	71	1.52	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0004	5.8250	0.15000	5.3764	0.29221	0.11414	71	1.54	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0358	5.8550	0.05000	5.3764	0.29221	0.11414	71	1.64	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0861	5.9000	0.20000	5.3764	0.29221	0.11414	71	1.79	5%	0
011.01	Loss on Drying, 135°C 2hr (%)	0175	5.9500	0.10000	5.3764	0.29221	0.11414	71	1.96	5%	0
011.01	Loss on Drying, 135°C 2hr (%)	0651	5.9960	0.00200	5.3764	0.29221	0.11414	71	2.12	6%	0
011.01	Loss on Drying, 135°C 2hr (%)	0880	5.1000	3.8400	5.3764	0.29221	0.11414	71	-0.95	3%	1
011.02	Loss on Drying, 130°C for 2 hours (%)	0942	5.1400	0.06000				3			0
011.02	Loss on Drying, 130°C for 2 hours (%)	0425	5.2850	0.05000				3			0
011.02	Loss on Drying, 130°C for 2 hours (%)	0843	5.3200	0.02000				3			0
011.99	Loss on Drying, High Temp. Methods Miscellaneous	0857	5.0500	0.10000				2			0
011.99	Loss on Drying, High Temp. Methods Miscellaneous	0852	6.0300	0.02000				2			0
012.00	Starch, Polarimetric (Ewers) (%)	0939	5.4900	0.66000	6.9637	1.3107	0.24486	9	-1.12	11%	0
012.00	Starch, Polarimetric (Ewers) (%)	0638	5.5000	0.00000	6.9637	1.3107	0.24486	9	-1.12	11%	0
012.00	Starch, Polarimetric (Ewers) (%)	2006	6.4700	0.04000	6.9637	1.3107	0.24486	9	-0.38	4%	0
012.00	Starch, Polarimetric (Ewers) (%)	0910	6.7000	0.60000	6.9637	1.3107	0.24486	9	-0.20	2%	0
012.00	Starch, Polarimetric (Ewers) (%)	0552	6.7400	0.22000	6.9637	1.3107	0.24486	9	-0.17	2%	0
012.00	Starch, Polarimetric (Ewers) (%)	0164	7.1000	0.20000	6.9637	1.3107	0.24486	9	0.10	1%	0
012.00	Starch, Polarimetric (Ewers) (%)	2009	7.3837	0.08370	6.9637	1.3107	0.24486	9	0.32	3%	0
012.00	Starch, Polarimetric (Ewers) (%)	0354	8.3600	0.20000	6.9637	1.3107	0.24486	9	1.07	10%	0
012.00	Starch, Polarimetric (Ewers) (%)	0610	18.700	0.20000	6.9637	1.3107	0.24486	9	8.95	84%	0
012.01	Starch, Megazyme (%)	0918	5.0250	0.22200	8.4079	0.53707	0.19171	9	-6.30	20%	0
012.01	Starch, Megazyme (%)	0045	7.9800	0.16000	8.4079	0.53707	0.19171	9	-0.80	3%	0
012.01	Starch, Megazyme (%)	0676	8.1750	0.07000	8.4079	0.53707	0.19171	9	-0.43	1%	0
012.01	Starch, Megazyme (%)	0870	8.3188	0.10340	8.4079	0.53707	0.19171	9	-0.17	1%	0
012.01	Starch, Megazyme (%)	2004	8.3950	0.17000	8.4079	0.53707	0.19171	9	-0.02	0%	0
012.01	Starch, Megazyme (%)	0693	8.4500	0.30000	8.4079	0.53707	0.19171	9	0.08	0%	0
012.01	Starch, Megazyme (%)	0956	8.7500	0.30000	8.4079	0.53707	0.19171	9	0.64	2%	0
012.01	Starch, Megazyme (%)	0164	8.8000	0.40000	8.4079	0.53707	0.19171	9	0.73	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	
012.01	Starch, Megazyme (%)	0265	9.2000	0.00000	8.4079	0.53707	0.19171	9	1.47	5%	0
012.03	Starch, Enzymatic (%)	0885	6.7420	0.22760				3			0
012.03	Starch, Enzymatic (%)	0407	8.0800	0.00000				3			0
012.03	Starch, Enzymatic (%)	0297	8.4300	0.10000				3			0
012.04	Starch, YSI Analyzer (%)	0510	7.8500	0.50000	8.7900	0.69238	0.26000	5			0
012.04	Starch, YSI Analyzer (%)	0353	8.6500	0.02000	8.7900	0.69238	0.26000	5			0
012.04	Starch, YSI Analyzer (%)	0278	8.8000	0.20000	8.7900	0.69238	0.26000	5			0
012.04	Starch, YSI Analyzer (%)	0208	8.8550	0.21000	8.7900	0.69238	0.26000	5			0
012.04	Starch, YSI Analyzer (%)	0948	9.7950	0.37000	8.7900	0.69238	0.26000	5			0
012.11	Starch, NIR (%)	0720	0.00000	0.00000				0			4
013.00	Fat, Acid hydrolysis (%)	0615	18.550	0.70000	19.613	0.66034	0.37920	24	-1.61	3%	0
013.00	Fat, Acid hydrolysis (%)	0242	18.560	0.42000	19.613	0.66034	0.37920	24	-1.59	3%	0
013.00	Fat, Acid hydrolysis (%)	0297	18.590	0.36000	19.613	0.66034	0.37920	24	-1.55	3%	0
013.00	Fat, Acid hydrolysis (%)	0948	19.010	0.04000	19.613	0.66034	0.37920	24	-0.91	2%	0
013.00	Fat, Acid hydrolysis (%)	0541	19.035	0.09000	19.613	0.66034	0.37920	24	-0.87	1%	0
013.00	Fat, Acid hydrolysis (%)	0910	19.170	1.5600	19.613	0.66034	0.37920	24	-0.67	1%	0
013.00	Fat, Acid hydrolysis (%)	0083	19.295	0.21000	19.613	0.66034	0.37920	24	-0.48	1%	0
013.00	Fat, Acid hydrolysis (%)	0939	19.425	0.11000	19.613	0.66034	0.37920	24	-0.28	0%	0
013.00	Fat, Acid hydrolysis (%)	0035	19.465	1.2700	19.613	0.66034	0.37920	24	-0.22	0%	0
013.00	Fat, Acid hydrolysis (%)	0098	19.505	0.11000	19.613	0.66034	0.37920	24	-0.16	0%	0
013.00	Fat, Acid hydrolysis (%)	0139	19.615	0.03000	19.613	0.66034	0.37920	24	0.00	0%	0
013.00	Fat, Acid hydrolysis (%)	0884	19.650	0.30000	19.613	0.66034	0.37920	24	0.06	0%	0
013.00	Fat, Acid hydrolysis (%)	2004	19.650	0.70000	19.613	0.66034	0.37920	24	0.06	0%	0
013.00	Fat, Acid hydrolysis (%)	2149	19.675	0.45000	19.613	0.66034	0.37920	24	0.09	0%	0
013.00	Fat, Acid hydrolysis (%)	0652	19.700	0.00000	19.613	0.66034	0.37920	24	0.13	0%	0
013.00	Fat, Acid hydrolysis (%)	2076	19.702	0.40310	19.613	0.66034	0.37920	24	0.13	0%	0
013.00	Fat, Acid hydrolysis (%)	2073	19.865	0.09000	19.613	0.66034	0.37920	24	0.38	1%	0
013.00	Fat, Acid hydrolysis (%)	0229	19.895	0.53000	19.613	0.66034	0.37920	24	0.43	1%	0
013.00	Fat, Acid hydrolysis (%)	0309	20.108	0.17160	19.613	0.66034	0.37920	24	0.75	1%	0
013.00	Fat, Acid hydrolysis (%)	0034	20.175	0.23000	19.613	0.66034	0.37920	24	0.85	1%	0
013.00	Fat, Acid hydrolysis (%)	2053	20.220	0.22000	19.613	0.66034	0.37920	24	0.92	2%	0
013.00	Fat, Acid hydrolysis (%)	0202	20.470	0.26000	19.613	0.66034	0.37920	24	1.30	2%	0
013.00	Fat, Acid hydrolysis (%)	0618	21.015	0.34600	19.613	0.66034	0.37920	24	2.12	4%	0
013.00	Fat, Acid hydrolysis (%)	0689	22.150	0.50000	19.613	0.66034	0.37920	24	3.84	6%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0643	18.880	0.14000	20.032	0.78403	0.24613	22	-1.47	3%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0505	18.885	0.07000	20.032	0.78403	0.24613	22	-1.46	3%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0100	19.055	0.01000	20.032	0.78403	0.24613	22	-1.25	2%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0011	19.215	0.49000	20.032	0.78403	0.24613	22	-1.04	2%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0511	19.345	0.25000	20.032	0.78403	0.24613	22	-0.88	2%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0208	19.600	0.80000	20.032	0.78403	0.24613	22	-0.55	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0870	19.706	0.60490	20.032	0.78403	0.24613	22	-0.42	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
013.02	Fat, Mojonnier, Bak Ext (%)	0164	19.910	0.06000	20.032	0.78403	0.24613	22	-0.16	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0017	19.950	0.70000	20.032	0.78403	0.24613	22	-0.10	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0650	19.960	0.12000	20.032	0.78403	0.24613	22	-0.09	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0553	19.970	0.14000	20.032	0.78403	0.24613	22	-0.08	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0019	20.085	0.27000	20.032	0.78403	0.24613	22	0.07	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0510	20.100	0.20000	20.032	0.78403	0.24613	22	0.09	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0010	20.200	0.20000	20.032	0.78403	0.24613	22	0.21	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0171	20.225	0.11000	20.032	0.78403	0.24613	22	0.25	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	2150	20.235	0.27000	20.032	0.78403	0.24613	22	0.26	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0148	20.445	0.03000	20.032	0.78403	0.24613	22	0.53	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0354	20.820	0.46000	20.032	0.78403	0.24613	22	1.00	2%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0682	20.840	0.00000	20.032	0.78403	0.24613	22	1.03	2%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0675	20.955	0.19000	20.032	0.78403	0.24613	22	1.18	2%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0861	21.120	0.16000	20.032	0.78403	0.24613	22	1.39	3%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0676	21.690	0.14000	20.032	0.78403	0.24613	22	2.11	4%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0874	16.900	1.7200	20.032	0.78403	0.24613	22	-4.00	8%	1
013.08	Fat, Roese-Gottlieb Modified (%)	0047	17.955	0.05000				2			0
013.08	Fat, Roese-Gottlieb Modified (%)	0618	19.027	0.37260				2			0
013.10	Fat, Soxtec-Acid Hydrolysis (%)	0036	17.219	0.03730	18.697	1.0882	0.23288	6	-1.36	4%	0
013.10	Fat, Soxtec-Acid Hydrolysis (%)	0629	17.985	0.37000	18.697	1.0882	0.23288	6	-0.65	2%	0
013.10	Fat, Soxtec-Acid Hydrolysis (%)	0353	18.700	0.44000	18.697	1.0882	0.23288	6	0.00	0%	0
013.10	Fat, Soxtec-Acid Hydrolysis (%)	2006	18.975	0.01000	18.697	1.0882	0.23288	6	0.26	1%	0
013.10	Fat, Soxtec-Acid Hydrolysis (%)	0610	19.550	0.44000	18.697	1.0882	0.23288	6	0.78	2%	0
013.10	Fat, Soxtec-Acid Hydrolysis (%)	0638	19.750	0.10000	18.697	1.0882	0.23288	6	0.97	3%	0
013.13	Fat, Ankom- Acid Hydrolysis (%)	0407	17.015	0.30060	19.691	1.8094	0.27273	9	-1.48	7%	0
013.13	Fat, Ankom- Acid Hydrolysis (%)	0843	18.665	0.53000	19.691	1.8094	0.27273	9	-0.57	3%	0
013.13	Fat, Ankom- Acid Hydrolysis (%)	0968	18.797	0.09400	19.691	1.8094	0.27273	9	-0.49	2%	0
013.13	Fat, Ankom- Acid Hydrolysis (%)	0955	19.100	0.20000	19.691	1.8094	0.27273	9	-0.33	2%	0
013.13	Fat, Ankom- Acid Hydrolysis (%)	0265	19.350	0.50000	19.691	1.8094	0.27273	9	-0.19	1%	0
013.13	Fat, Ankom- Acid Hydrolysis (%)	0019	19.840	0.06000	19.691	1.8094	0.27273	9	0.08	0%	0
013.13	Fat, Ankom- Acid Hydrolysis (%)	0027	20.665	0.23000	19.691	1.8094	0.27273	9	0.54	2%	0
013.13	Fat, Ankom- Acid Hydrolysis (%)	0581	21.575	0.25000	19.691	1.8094	0.27273	9	1.04	5%	0
013.13	Fat, Ankom- Acid Hydrolysis (%)	0003	22.215	0.29000	19.691	1.8094	0.27273	9	1.39	6%	0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0164	330.50	11.000				3			0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0171	344.10	2.8000				3			0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0520	352.50	11.000				3			0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0049	213.06	2.6200				3			2
015.42	Aluminum, ICP, Open vessel (mg / kg (ppm))	0560	361.10	18.800				1			0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0918	321.85	25.586	358.00	36.426	15.084	7	-0.99	5%	0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0345	334.50	5.0000	358.00	36.426	15.084	7	-0.65	3%	0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0510	339.00	2.0000	358.00	36.426	15.084	7	-0.52	3%	0



Test Material Code # 201732

Method Proficiency Testing Report

Issue Date : 01/31/2018

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0169	354.50	9.0000	358.00	36.426	15.084	7	-0.10	0%	0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0353	354.50	1.0000	358.00	36.426	15.084	7	-0.10	0%	0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0297	389.00	16.000	358.00	36.426	15.084	7	0.85	4%	0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	2033	419.00	47.000	358.00	36.426	15.084	7	1.67	9%	0
015.52	Aluminum, ICP-MS, Open vessel (mg / kg (ppm))	0186	245.00	20.000				1			0
015.53	Aluminum, ICP-MS, Microwave (mg / kg (ppm))	0413	366.00	34.000				2			0
015.53	Aluminum, ICP-MS, Microwave (mg / kg (ppm))	0553	415.50	1.0000				2			0
017.41	Boron, ICP, Dry ash (mg / kg (ppm))	0229	1.6650	0.95000	2.1088	0.44780	0.34250	4			0
017.41	Boron, ICP, Dry ash (mg / kg (ppm))	0226	1.8250	0.03000	2.1088	0.44780	0.34250	4			0
017.41	Boron, ICP, Dry ash (mg / kg (ppm))	0358	2.3000	0.14000	2.1088	0.44780	0.34250	4			0
017.41	Boron, ICP, Dry ash (mg / kg (ppm))	0049	2.6450	0.25000	2.1088	0.44780	0.34250	4			0
017.42	Boron, ICP, Open vessel (mg / kg (ppm))	0045	2.0100	0.22000				3			0
017.42	Boron, ICP, Open vessel (mg / kg (ppm))	0560	2.0400	0.36000				3			0
017.42	Boron, ICP, Open vessel (mg / kg (ppm))	0693	2.3245	0.39100				3			0
017.42	Boron, ICP, Open vessel (mg / kg (ppm))	0294	6.2600	0.28000				3			2
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0345	2.3500	0.30000	3.0267	0.55163	0.07715	4			0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	2033	3.0000	0.00000	3.0267	0.55163	0.07715	4			0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0918	3.0569	0.00860	3.0267	0.55163	0.07715	4			0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0510	3.7000	0.00000	3.0267	0.55163	0.07715	4			0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0353	3.5000	1.0000	3.0267	0.55163	0.07715	4			1
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0297	0.00000	0.00000	3.0267	0.55163	0.07715	4			4
017.53	Boron, ICP-MS, Microwave (mg / kg (ppm))	0413	2.5500	0.30000				1			0
019.00	Calcium, Ox-Mn04 Vol. (%)	0622	2.6039	0.03110	2.7697	0.13018	0.03084	11	-1.27	3%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0623	2.6150	0.10200	2.7697	0.13018	0.03084	11	-1.19	3%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	2006	2.6225	0.03300	2.7697	0.13018	0.03084	11	-1.13	3%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0651	2.7260	0.03200	2.7697	0.13018	0.03084	11	-0.34	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0552	2.7850	0.05000	2.7697	0.13018	0.03084	11	0.12	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	2062	2.8046	0.01110	2.7697	0.13018	0.03084	11	0.27	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0903	2.8050	0.01000	2.7697	0.13018	0.03084	11	0.27	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0683	2.8100	0.06000	2.7697	0.13018	0.03084	11	0.31	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0895	2.8550	0.01000	2.7697	0.13018	0.03084	11	0.66	2%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0893	2.9200	0.00000	2.7697	0.13018	0.03084	11	1.15	3%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0897	2.9200	0.00000	2.7697	0.13018	0.03084	11	1.15	3%	0
019.02	Calcium, Hach Method (%)	0536	2.3300	0.26000				1			0
019.03	Calcium, Semiauto (Autoanalyzer) (%)	0036	2.8865	0.01680				1			0
019.08	Calcium, EDTA (%)	0629	2.4550	0.01000	2.7684	0.16144	0.04576	8	-1.94	6%	0
019.08	Calcium, EDTA (%)	0940	2.6400	0.02000	2.7684	0.16144	0.04576	8	-0.80	2%	0
019.08	Calcium, EDTA (%)	0590	2.7450	0.13000	2.7684	0.16144	0.04576	8	-0.14	0%	0
019.08	Calcium, EDTA (%)	0849	2.7715	0.01700	2.7684	0.16144	0.04576	8	0.02	0%	0
019.08	Calcium, EDTA (%)	0885	2.7765	0.04980	2.7684	0.16144	0.04576	8	0.05	0%	0
019.08	Calcium, EDTA (%)	0689	2.8150	0.03000	2.7684	0.16144	0.04576	8	0.29	1%	0

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Method Proficiency Testing Report

Issue Date : 01/31/2018

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
019.08	Calcium, EDTA (%)	2009	2.8623	0.00930	2.7684	0.16144	0.04576	8	0.58	2%	0
019.08	Calcium, EDTA (%)	0852	4.0500	0.10000	2.7684	0.16144	0.04576	8	7.94	23%	0
019.09	Calcium, Ion-selective electrode (%)	2006	2.7045	0.13100				1			0
019.31	Calcium, AAS, Dry ash (%)	0233	2.5000	0.00000	2.7548	0.13062	0.04972	20	-1.95	5%	0
019.31	Calcium, AAS, Dry ash (%)	0948	2.5115	0.00300	2.7548	0.13062	0.04972	20	-1.86	4%	0
019.31	Calcium, AAS, Dry ash (%)	0674	2.6300	0.00000	2.7548	0.13062	0.04972	20	-0.96	2%	0
019.31	Calcium, AAS, Dry ash (%)	2022	2.6500	0.02000	2.7548	0.13062	0.04972	20	-0.80	2%	0
019.31	Calcium, AAS, Dry ash (%)	0175	2.6550	0.03000	2.7548	0.13062	0.04972	20	-0.76	2%	0
019.31	Calcium, AAS, Dry ash (%)	0536	2.6700	0.06000	2.7548	0.13062	0.04972	20	-0.65	2%	0
019.31	Calcium, AAS, Dry ash (%)	0108	2.7000	0.08000	2.7548	0.13062	0.04972	20	-0.42	1%	0
019.31	Calcium, AAS, Dry ash (%)	0939	2.7100	0.08000	2.7548	0.13062	0.04972	20	-0.34	1%	0
019.31	Calcium, AAS, Dry ash (%)	0874	2.7200	0.04000	2.7548	0.13062	0.04972	20	-0.27	1%	0
019.31	Calcium, AAS, Dry ash (%)	0653	2.7375	0.00700	2.7548	0.13062	0.04972	20	-0.13	0%	0
019.31	Calcium, AAS, Dry ash (%)	0884	2.7700	0.08000	2.7548	0.13062	0.04972	20	0.12	0%	0
019.31	Calcium, AAS, Dry ash (%)	0354	2.7900	0.02000	2.7548	0.13062	0.04972	20	0.27	1%	0
019.31	Calcium, AAS, Dry ash (%)	0208	2.8230	0.16000	2.7548	0.13062	0.04972	20	0.52	1%	0
019.31	Calcium, AAS, Dry ash (%)	0722	2.8248	0.00940	2.7548	0.13062	0.04972	20	0.54	1%	0
019.31	Calcium, AAS, Dry ash (%)	0687	2.8250	0.15000	2.7548	0.13062	0.04972	20	0.54	1%	0
019.31	Calcium, AAS, Dry ash (%)	0563	2.8263	0.07010	2.7548	0.13062	0.04972	20	0.55	1%	0
019.31	Calcium, AAS, Dry ash (%)	0142	2.8709	0.00480	2.7548	0.13062	0.04972	20	0.89	2%	0
019.31	Calcium, AAS, Dry ash (%)	0529	2.8750	0.01000	2.7548	0.13062	0.04972	20	0.92	2%	0
019.31	Calcium, AAS, Dry ash (%)	0878	2.9750	0.13000	2.7548	0.13062	0.04972	20	1.69	4%	0
019.31	Calcium, AAS, Dry ash (%)	0650	3.3100	0.04000	2.7548	0.13062	0.04972	20	4.25	10%	0
019.31	Calcium, AAS, Dry ash (%)	2097	6.8951	0.03400	2.7548	0.13062	0.04972	20	31.70	75%	2
019.32	Calcium, AAS, Open vessel (%)	0169	0.00000	0.00000				0			4
019.33	Calcium, AAS, Microwave (%)	0300	2.9450	0.17000				1			0
019.41	Calcium, ICP, Dry ash (%)	0520	2.4400	0.32000	2.8155	0.19131	0.08890	24	-1.96	7%	0
019.41	Calcium, ICP, Dry ash (%)	0148	2.5450	0.07000	2.8155	0.19131	0.08890	24	-1.41	5%	0
019.41	Calcium, ICP, Dry ash (%)	0144	2.5550	0.09000	2.8155	0.19131	0.08890	24	-1.36	5%	0
019.41	Calcium, ICP, Dry ash (%)	0051	2.5800	0.06000	2.8155	0.19131	0.08890	24	-1.23	4%	0
019.41	Calcium, ICP, Dry ash (%)	0171	2.7100	0.00000	2.8155	0.19131	0.08890	24	-0.55	2%	0
019.41	Calcium, ICP, Dry ash (%)	0123	2.7150	0.05000	2.8155	0.19131	0.08890	24	-0.53	2%	0
019.41	Calcium, ICP, Dry ash (%)	0139	2.7250	0.03000	2.8155	0.19131	0.08890	24	-0.47	2%	0
019.41	Calcium, ICP, Dry ash (%)	0405	2.7300	0.02000	2.8155	0.19131	0.08890	24	-0.45	2%	0
019.41	Calcium, ICP, Dry ash (%)	0164	2.7350	0.07000	2.8155	0.19131	0.08890	24	-0.42	1%	0
019.41	Calcium, ICP, Dry ash (%)	0720	2.7900	0.00000	2.8155	0.19131	0.08890	24	-0.13	0%	0
019.41	Calcium, ICP, Dry ash (%)	2012	2.7900	0.04000	2.8155	0.19131	0.08890	24	-0.13	0%	0
019.41	Calcium, ICP, Dry ash (%)	0019	2.8000	0.02000	2.8155	0.19131	0.08890	24	-0.08	0%	0
019.41	Calcium, ICP, Dry ash (%)	0298	2.8150	0.03000	2.8155	0.19131	0.08890	24	0.00	0%	0
019.41	Calcium, ICP, Dry ash (%)	0229	2.8380	0.01000	2.8155	0.19131	0.08890	24	0.12	0%	0
019.41	Calcium, ICP, Dry ash (%)	0413	2.8500	0.10000	2.8155	0.19131	0.08890	24	0.18	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
019.41	Calcium, ICP, Dry ash (%)	0049	2.8550	0.01000	2.8155	0.19131	0.08890	24	0.21	1%	0
019.41	Calcium, ICP, Dry ash (%)	0098	2.8900	0.12000	2.8155	0.19131	0.08890	24	0.39	1%	0
019.41	Calcium, ICP, Dry ash (%)	0208	2.9055	0.38300	2.8155	0.19131	0.08890	24	0.47	2%	0
019.41	Calcium, ICP, Dry ash (%)	0910	2.9400	0.16000	2.8155	0.19131	0.08890	24	0.65	2%	0
019.41	Calcium, ICP, Dry ash (%)	0358	2.9900	0.16000	2.8155	0.19131	0.08890	24	0.91	3%	0
019.41	Calcium, ICP, Dry ash (%)	0226	3.0000	0.18000	2.8155	0.19131	0.08890	24	0.96	3%	0
019.41	Calcium, ICP, Dry ash (%)	0598	3.0790	0.03400	2.8155	0.19131	0.08890	24	1.38	5%	0
019.41	Calcium, ICP, Dry ash (%)	0619	3.1250	0.17000	2.8155	0.19131	0.08890	24	1.62	5%	0
019.41	Calcium, ICP, Dry ash (%)	0407	3.1508	0.00650	2.8155	0.19131	0.08890	24	1.75	6%	0
019.42	Calcium, ICP, Open vessel (%)	2129	2.1450	0.39000	2.8180	0.15571	0.09504	18	-4.32	12%	0
019.42	Calcium, ICP, Open vessel (%)	0045	2.6350	0.05000	2.8180	0.15571	0.09504	18	-1.18	3%	0
019.42	Calcium, ICP, Open vessel (%)	0042	2.6600	0.26000	2.8180	0.15571	0.09504	18	-1.01	3%	0
019.42	Calcium, ICP, Open vessel (%)	0263	2.6638	0.03200	2.8180	0.15571	0.09504	18	-0.99	3%	0
019.42	Calcium, ICP, Open vessel (%)	0560	2.7261	0.01140	2.8180	0.15571	0.09504	18	-0.59	2%	0
019.42	Calcium, ICP, Open vessel (%)	0693	2.7300	0.22000	2.8180	0.15571	0.09504	18	-0.57	2%	0
019.42	Calcium, ICP, Open vessel (%)	2053	2.7700	0.04000	2.8180	0.15571	0.09504	18	-0.31	1%	0
019.42	Calcium, ICP, Open vessel (%)	0205	2.7750	0.07000	2.8180	0.15571	0.09504	18	-0.28	1%	0
019.42	Calcium, ICP, Open vessel (%)	0265	2.7800	0.10000	2.8180	0.15571	0.09504	18	-0.24	1%	0
019.42	Calcium, ICP, Open vessel (%)	0186	2.8550	0.01000	2.8180	0.15571	0.09504	18	0.24	1%	0
019.42	Calcium, ICP, Open vessel (%)	0366	2.8600	0.04000	2.8180	0.15571	0.09504	18	0.27	1%	0
019.42	Calcium, ICP, Open vessel (%)	0294	2.8750	0.03000	2.8180	0.15571	0.09504	18	0.37	1%	0
019.42	Calcium, ICP, Open vessel (%)	0037	2.8900	0.06000	2.8180	0.15571	0.09504	18	0.46	1%	0
019.42	Calcium, ICP, Open vessel (%)	0357	2.9178	0.02140	2.8180	0.15571	0.09504	18	0.64	2%	0
019.42	Calcium, ICP, Open vessel (%)	0278	2.9400	0.04000	2.8180	0.15571	0.09504	18	0.78	2%	0
019.42	Calcium, ICP, Open vessel (%)	0692	2.9850	0.27000	2.8180	0.15571	0.09504	18	1.07	3%	0
019.42	Calcium, ICP, Open vessel (%)	0870	3.0260	0.01600	2.8180	0.15571	0.09504	18	1.34	4%	0
019.42	Calcium, ICP, Open vessel (%)	0035	3.0550	0.05000	2.8180	0.15571	0.09504	18	1.52	4%	0
019.43	Calcium, ICP, Microwave (%)	0964	2.3561	0.31460	2.8411	0.15093	0.07518	24	-3.21	9%	0
019.43	Calcium, ICP, Microwave (%)	0089	2.6450	0.01000	2.8411	0.15093	0.07518	24	-1.30	3%	0
019.43	Calcium, ICP, Microwave (%)	0510	2.6850	0.01000	2.8411	0.15093	0.07518	24	-1.03	3%	0
019.43	Calcium, ICP, Microwave (%)	0675	2.6950	0.11000	2.8411	0.15093	0.07518	24	-0.97	3%	0
019.43	Calcium, ICP, Microwave (%)	0202	2.7065	0.02500	2.8411	0.15093	0.07518	24	-0.89	2%	0
019.43	Calcium, ICP, Microwave (%)	0968	2.7150	0.01000	2.8411	0.15093	0.07518	24	-0.84	2%	0
019.43	Calcium, ICP, Microwave (%)	0345	2.7475	0.01500	2.8411	0.15093	0.07518	24	-0.62	2%	0
019.43	Calcium, ICP, Microwave (%)	0508	2.7484	0.04320	2.8411	0.15093	0.07518	24	-0.61	2%	0
019.43	Calcium, ICP, Microwave (%)	0036	2.7600	0.00760	2.8411	0.15093	0.07518	24	-0.54	1%	0
019.43	Calcium, ICP, Microwave (%)	0918	2.8250	0.18470	2.8411	0.15093	0.07518	24	-0.11	0%	0
019.43	Calcium, ICP, Microwave (%)	0861	2.8250	0.01000	2.8411	0.15093	0.07518	24	-0.11	0%	0
019.43	Calcium, ICP, Microwave (%)	0297	2.8350	0.01000	2.8411	0.15093	0.07518	24	-0.04	0%	0
019.43	Calcium, ICP, Microwave (%)	0682	2.8500	0.00000	2.8411	0.15093	0.07518	24	0.06	0%	0
019.43	Calcium, ICP, Microwave (%)	0017	2.8800	0.02000	2.8411	0.15093	0.07518	24	0.26	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 (%)	0034	2.8824	0.22310	2.8411	0.15093	0.07518	24	0.27	1%	0
019.43	Calcium, ICP, Microwave (%)	0033	2.8950	0.01000	2.8411	0.15093	0.07518	24	0.36	1%	0
019.43	Calcium, ICP, Microwave (%)	2089	2.8950	0.03000	2.8411	0.15093	0.07518	24	0.36	1%	0
019.43	Calcium, ICP, Microwave (%)	2033	2.9000	0.00000	2.8411	0.15093	0.07518	24	0.39	1%	0
019.43	Calcium, ICP, Microwave (%)	0098	2.9100	0.22000	2.8411	0.15093	0.07518	24	0.46	1%	0
019.43	Calcium, ICP, Microwave (%)	0083	2.9650	0.07000	2.8411	0.15093	0.07518	24	0.82	2%	0
019.43	Calcium, ICP, Microwave (%)	0006	3.0055	0.03100	2.8411	0.15093	0.07518	24	1.09	3%	0
019.43	Calcium, ICP, Microwave (%)	0035	3.0700	0.34000	2.8411	0.15093	0.07518	24	1.52	4%	0
019.43	Calcium, ICP, Microwave (%)	0425	3.1200	0.04000	2.8411	0.15093	0.07518	24	1.85	5%	0
019.43	Calcium, ICP, Microwave (%)	0353	3.2350	0.07000	2.8411	0.15093	0.07518	24	2.61	7%	0
019.44	Calcium, ICP, Dry ash (%)	2004	2.6700	0.02000				1			0
019.52	Calcium, ICP-MS, Open vessel (%)	0154	2.5823	0.03470				2			0
019.52	Calcium, ICP-MS, Open vessel (%)	0186	2.7500	0.16000				2			0
019.53	Calcium, ICP-MS, Microwave (%)	0553	2.8600	0.00000				3			0
019.53	Calcium, ICP-MS, Microwave (%)	0572	2.9850	0.25000				3			0
019.53	Calcium, ICP-MS, Microwave (%)	0413	3.1300	0.06000				3			0
019.99	Calcium, Miscellaneous (%)	0889	1.9005	0.07350	2.5911	0.43337	0.04070	5			0
019.99	Calcium, Miscellaneous (%)	0676	2.4950	0.07000	2.5911	0.43337	0.04070	5			0
019.99	Calcium, Miscellaneous (%)	0590	2.7150	0.01000	2.5911	0.43337	0.04070	5			0
019.99	Calcium, Miscellaneous (%)	0242	2.8000	0.02000	2.5911	0.43337	0.04070	5			0
019.99	Calcium, Miscellaneous (%)	0100	3.0450	0.03000	2.5911	0.43337	0.04070	5			0
021.31	Cobalt, AAS, Dry ash (mg / kg (ppm))	0164	7.8500	0.50000				3			0
021.31	Cobalt, AAS, Dry ash (mg / kg (ppm))	0689	8.2500	0.30000				3			0
021.31	Cobalt, AAS, Dry ash (mg / kg (ppm))	0939	9.4550	0.17000				3			0
021.41	Cobalt, ICP, Dry ash (mg / kg (ppm))	0171	8.2400	0.20000				1			0
021.42	Cobalt, ICP, Open vessel (mg / kg (ppm))	0693	8.1750	1.2220	9.1475	0.97280	0.79300	4			0
021.42	Cobalt, ICP, Open vessel (mg / kg (ppm))	0045	8.7400	0.08000	9.1475	0.97280	0.79300	4			0
021.42	Cobalt, ICP, Open vessel (mg / kg (ppm))	0560	9.2150	1.4300	9.1475	0.97280	0.79300	4			0
021.42	Cobalt, ICP, Open vessel (mg / kg (ppm))	2053	10.460	0.44000	9.1475	0.97280	0.79300	4			0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0345	7.2650	0.27000	8.8688	1.4250	0.74540	7	-1.13	9%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0169	7.6000	0.44000	8.8688	1.4250	0.74540	7	-0.89	7%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0043	8.2200	0.06000	8.8688	1.4250	0.74540	7	-0.46	4%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0508	8.6028	0.79260	8.8688	1.4250	0.74540	7	-0.19	1%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0510	10.040	0.02000	8.8688	1.4250	0.74540	7	0.82	7%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0964	10.124	1.8952	8.8688	1.4250	0.74540	7	0.88	7%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	2033	10.230	1.7400	8.8688	1.4250	0.74540	7	0.96	8%	0
021.52	Cobalt, ICP-MS, Open vessel (mg / kg (ppm))	0186	9.5000	1.0000				2			0
021.52	Cobalt, ICP-MS, Open vessel (mg / kg (ppm))	0910	10.690	2.3800				2			0
021.53	Cobalt, ICP-MS, Microwave (mg / kg (ppm))	0553	9.5050	0.45000	10.817	1.2747	0.46950	4			0
021.53	Cobalt, ICP-MS, Microwave (mg / kg (ppm))	0098	10.120	0.20000	10.817	1.2747	0.46950	4			0
021.53	Cobalt, ICP-MS, Microwave (mg / kg (ppm))	0413	11.250	0.30000	10.817	1.2747	0.46950	4			0

Test Material Code # 201732

Method Proficiency Testing Report

Issue Date : 01/31/2018

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
021.53	Cobalt, ICP-MS, Microwave (mg / kg (ppm))	0918	12.392	0.92800	10.817	1.2747	0.46950	4			0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0884	46.200	8.2000	73.503	3.8781	2.0645	13	-7.04	19%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0529	69.200	9.6000	73.503	3.8781	2.0645	13	-1.11	3%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0689	70.900	0.60000	73.503	3.8781	2.0645	13	-0.67	2%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	2149	71.080	0.74000	73.503	3.8781	2.0645	13	-0.62	2%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0878	72.290	0.06000	73.503	3.8781	2.0645	13	-0.31	1%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0563	72.454	2.6281	73.503	3.8781	2.0645	13	-0.27	1%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0629	73.000	0.00000	73.503	3.8781	2.0645	13	-0.13	0%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0939	73.710	0.90000	73.503	3.8781	2.0645	13	0.05	0%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	2062	74.550	0.70000	73.503	3.8781	2.0645	13	0.27	1%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0536	76.875	1.6500	73.503	3.8781	2.0645	13	0.87	2%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0208	77.150	1.7000	73.503	3.8781	2.0645	13	0.94	2%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0175	78.000	0.00000	73.503	3.8781	2.0645	13	1.16	3%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0354	78.650	0.06000	73.503	3.8781	2.0645	13	1.33	4%	0
022.33	Copper, AAS, Microwave (mg / kg (ppm))	0948	77.237	0.00800				1			0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0011	25.568	5.2050	73.863	6.3597	2.1652	23	-7.59	33%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0405	47.400	0.26000	73.863	6.3597	2.1652	23	-4.16	18%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0511	62.000	2.0000	73.863	6.3597	2.1652	23	-1.87	8%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0520	67.500	1.0000	73.863	6.3597	2.1652	23	-1.00	4%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0955	70.000	3.6000	73.863	6.3597	2.1652	23	-0.61	3%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0019	70.400	2.2800	73.863	6.3597	2.1652	23	-0.54	2%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0049	71.625	1.6900	73.863	6.3597	2.1652	23	-0.35	2%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0148	71.750	0.10000	73.863	6.3597	2.1652	23	-0.33	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0407	72.081	0.85550	73.863	6.3597	2.1652	23	-0.28	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0208	72.625	4.4700	73.863	6.3597	2.1652	23	-0.19	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0051	72.975	2.3100	73.863	6.3597	2.1652	23	-0.14	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0619	73.700	0.00000	73.863	6.3597	2.1652	23	-0.03	0%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0910	74.000	8.0000	73.863	6.3597	2.1652	23	0.02	0%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0598	75.600	0.42000	73.863	6.3597	2.1652	23	0.27	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0720	76.225	0.67000	73.863	6.3597	2.1652	23	0.37	2%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0164	76.500	1.0000	73.863	6.3597	2.1652	23	0.41	2%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0229	76.580	1.6600	73.863	6.3597	2.1652	23	0.43	2%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	2012	76.860	0.94000	73.863	6.3597	2.1652	23	0.47	2%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0171	79.430	2.4000	73.863	6.3597	2.1652	23	0.88	4%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0003	80.000	2.0000	73.863	6.3597	2.1652	23	0.96	4%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0098	81.295	1.0300	73.863	6.3597	2.1652	23	1.17	5%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0358	83.335	1.9100	73.863	6.3597	2.1652	23	1.49	6%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0226	86.000	6.0000	73.863	6.3597	2.1652	23	1.91	8%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0037	60.450	3.9000	77.586	4.5677	1.2923	21	-3.75	11%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0045	70.850	0.30000	77.586	4.5677	1.2923	21	-1.47	4%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0263	72.200	2.0000	77.586	4.5677	1.2923	21	-1.18	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	
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0693	72.453	0.28400	77.586	4.5677	1.2923	21	-1.12	3%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0205	75.250	0.10000	77.586	4.5677	1.2923	21	-0.51	2%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0278	75.550	2.7000	77.586	4.5677	1.2923	21	-0.45	1%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0870	75.780	0.94000	77.586	4.5677	1.2923	21	-0.40	1%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0265	76.000	0.00000	77.586	4.5677	1.2923	21	-0.35	1%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0357	76.406	0.31500	77.586	4.5677	1.2923	21	-0.26	1%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0035	76.500	1.0000	77.586	4.5677	1.2923	21	-0.24	1%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0366	77.000	0.00000	77.586	4.5677	1.2923	21	-0.13	0%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0726	77.250	0.04000	77.586	4.5677	1.2923	21	-0.07	0%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0692	78.350	0.30000	77.586	4.5677	1.2923	21	0.17	0%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0042	80.750	3.1000	77.586	4.5677	1.2923	21	0.69	2%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0560	80.750	1.1000	77.586	4.5677	1.2923	21	0.69	2%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0190	80.870	1.8400	77.586	4.5677	1.2923	21	0.72	2%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0413	81.550	4.3000	77.586	4.5677	1.2923	21	0.87	3%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0186	82.000	2.0000	77.586	4.5677	1.2923	21	0.97	3%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0294	82.100	1.6000	77.586	4.5677	1.2923	21	0.99	3%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	2053	82.535	0.87000	77.586	4.5677	1.2923	21	1.08	3%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0685	92.445	0.45000	77.586	4.5677	1.2923	21	3.25	10%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0345	67.550	0.50000	75.600	4.4482	3.2808	23	-1.81	5%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	2089	68.725	12.870	75.600	4.4482	3.2808	23	-1.55	5%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0043	69.200	2.2000	75.600	4.4482	3.2808	23	-1.44	4%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0918	70.130	2.4800	75.600	4.4482	3.2808	23	-1.23	4%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0202	71.020	1.1000	75.600	4.4482	3.2808	23	-1.03	3%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0169	72.300	0.20000	75.600	4.4482	3.2808	23	-0.74	2%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0682	73.900	0.00000	75.600	4.4482	3.2808	23	-0.38	1%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0861	74.900	0.80000	75.600	4.4482	3.2808	23	-0.16	0%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0035	75.500	11.000	75.600	4.4482	3.2808	23	-0.02	0%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0297	75.500	5.0000	75.600	4.4482	3.2808	23	-0.02	0%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0510	76.000	2.0000	75.600	4.4482	3.2808	23	0.09	0%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0098	76.480	6.3000	75.600	4.4482	3.2808	23	0.20	1%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0968	76.500	1.0000	75.600	4.4482	3.2808	23	0.20	1%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0508	76.582	2.1650	75.600	4.4482	3.2808	23	0.22	1%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	2033	76.850	2.1000	75.600	4.4482	3.2808	23	0.28	1%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0017	77.329	2.3740	75.600	4.4482	3.2808	23	0.39	1%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0964	78.167	5.2137	75.600	4.4482	3.2808	23	0.58	2%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0675	78.470	4.9600	75.600	4.4482	3.2808	23	0.65	2%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0027	79.422	0.40600	75.600	4.4482	3.2808	23	0.86	3%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0512	79.715	3.5900	75.600	4.4482	3.2808	23	0.93	3%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0425	80.200	1.2000	75.600	4.4482	3.2808	23	1.03	3%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0083	80.500	3.0000	75.600	4.4482	3.2808	23	1.10	3%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0353	82.500	5.0000	75.600	4.4482	3.2808	23	1.55	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			
022.44	Copper, ICP, Dry ash (mg / kg (ppm))	2004	77.200	1.2000				1			0
022.52	Copper, ICP-MS, Open vessel (mg / kg (ppm))	0016	50.650	5.5000				3			0
022.52	Copper, ICP-MS, Open vessel (mg / kg (ppm))	0047	71.045	4.6900				3			0
022.52	Copper, ICP-MS, Open vessel (mg / kg (ppm))	0186	76.500	1.0000				3			0
022.53	Copper, ICP-MS, Microwave (mg / kg (ppm))	0553	75.450	4.5000				3			0
022.53	Copper, ICP-MS, Microwave (mg / kg (ppm))	0572	77.450	3.1000				3			0
022.53	Copper, ICP-MS, Microwave (mg / kg (ppm))	0413	79.300	2.8000				3			0
022.99	Copper, Miscellaneous (mg / kg (ppm))	0242	73.000	0.0000	75.085	2.2682	0.56600	5			0
022.99	Copper, Miscellaneous (mg / kg (ppm))	2129	73.020	0.70000	75.085	2.2682	0.56600	5			0
022.99	Copper, Miscellaneous (mg / kg (ppm))	0590	75.400	0.60000	75.085	2.2682	0.56600	5			0
022.99	Copper, Miscellaneous (mg / kg (ppm))	0100	75.500	1.0000	75.085	2.2682	0.56600	5			0
022.99	Copper, Miscellaneous (mg / kg (ppm))	2144	78.505	0.53000	75.085	2.2682	0.56600	5			0
023.01	Fluorine, Ion Sel Elect (mg / kg (ppm))	0910	51.750	4.5000				1			0
024.03	Iodine, Ion-selective electrode (mg / kg (ppm))	0171	8.8400	0.30000				1			0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0536	147.13	1.0500	571.96	55.884	11.720	13	-7.60	37%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	2022	495.00	2.0000	571.96	55.884	11.720	13	-1.38	7%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0939	517.05	39.440	571.96	55.884	11.720	13	-0.98	5%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0529	556.70	17.000	571.96	55.884	11.720	13	-0.27	1%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0629	560.00	8.0000	571.96	55.884	11.720	13	-0.21	1%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0354	565.55	0.19000	571.96	55.884	11.720	13	-0.11	1%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0563	568.79	13.790	571.96	55.884	11.720	13	-0.06	0%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0175	593.00	30.000	571.96	55.884	11.720	13	0.38	2%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	2062	601.20	5.8000	571.96	55.884	11.720	13	0.52	3%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0878	607.19	6.2900	571.96	55.884	11.720	13	0.63	3%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0689	607.40	21.800	571.96	55.884	11.720	13	0.63	3%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0014	625.50	5.0000	571.96	55.884	11.720	13	0.96	5%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0208	650.00	2.0000	571.96	55.884	11.720	13	1.40	7%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0874	745.50	199.00	571.96	55.884	11.720	13	3.11	15%	1
025.33	Iron, AAS, Microwave (mg / kg (ppm))	0948	747.77	0.35600				1			0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0011	436.79	26.310	581.04	37.315	18.674	25	-3.87	12%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0511	484.50	5.0000	581.04	37.315	18.674	25	-2.59	8%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0405	523.06	0.34000	581.04	37.315	18.674	25	-1.55	5%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0520	538.00	14.000	581.04	37.315	18.674	25	-1.15	4%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0619	542.00	12.000	581.04	37.315	18.674	25	-1.05	3%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0051	552.50	17.000	581.04	37.315	18.674	25	-0.76	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	2012	558.71	9.9700	581.04	37.315	18.674	25	-0.60	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0208	569.40	31.800	581.04	37.315	18.674	25	-0.31	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	2145	572.26	3.7700	581.04	37.315	18.674	25	-0.24	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0720	576.65	8.1000	581.04	37.315	18.674	25	-0.12	0%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0049	577.98	12.560	581.04	37.315	18.674	25	-0.08	0%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0407	582.82	0.31300	581.04	37.315	18.674	25	0.05	0%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0003	588.50	17.000	581.04	37.315	18.674	25	0.20	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0955	590.00	68.000	581.04	37.315	18.674	25	0.24	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0148	590.75	16.500	581.04	37.315	18.674	25	0.26	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	2004	592.00	18.000	581.04	37.315	18.674	25	0.29	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0598	595.35	1.1000	581.04	37.315	18.674	25	0.38	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0171	599.15	0.30000	581.04	37.315	18.674	25	0.49	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0098	602.25	59.700	581.04	37.315	18.674	25	0.57	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0019	603.40	5.4000	581.04	37.315	18.674	25	0.60	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0164	608.50	31.000	581.04	37.315	18.674	25	0.74	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0226	611.50	51.000	581.04	37.315	18.674	25	0.82	3%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0229	629.60	0.80000	581.04	37.315	18.674	25	1.30	4%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0910	632.50	35.000	581.04	37.315	18.674	25	1.38	4%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0358	666.12	21.890	581.04	37.315	18.674	25	2.28	7%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0692	418.00	34.000	576.84	45.559	18.841	18	-3.49	14%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0186	504.50	17.000	576.84	45.559	18.841	18	-1.59	6%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0726	510.90	1.6000	576.84	45.559	18.841	18	-1.45	6%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0693	551.97	5.4130	576.84	45.559	18.841	18	-0.55	2%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0190	553.68	10.140	576.84	45.559	18.841	18	-0.51	2%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0278	558.50	13.000	576.84	45.559	18.841	18	-0.40	2%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0263	561.65	9.7000	576.84	45.559	18.841	18	-0.33	1%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0265	572.00	54.000	576.84	45.559	18.841	18	-0.11	0%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0045	577.00	30.000	576.84	45.559	18.841	18	0.00	0%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0413	581.50	13.000	576.84	45.559	18.841	18	0.10	0%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0037	593.95	2.7000	576.84	45.559	18.841	18	0.38	1%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	2053	595.50	17.000	576.84	45.559	18.841	18	0.41	2%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0294	601.46	2.0800	576.84	45.559	18.841	18	0.54	2%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0366	613.00	8.0000	576.84	45.559	18.841	18	0.79	3%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0870	613.95	41.100	576.84	45.559	18.841	18	0.81	3%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0042	617.00	28.000	576.84	45.559	18.841	18	0.88	3%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0560	618.90	3.4000	576.84	45.559	18.841	18	0.92	4%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0035	685.50	49.000	576.84	45.559	18.841	18	2.39	9%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0353	520.00	4.0000	601.30	43.971	14.823	21	-1.85	7%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0345	536.00	8.0000	601.30	43.971	14.823	21	-1.49	5%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0018	555.00	70.000	601.30	43.971	14.823	21	-1.05	4%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0968	557.50	5.0000	601.30	43.971	14.823	21	-1.00	4%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0169	569.50	1.0000	601.30	43.971	14.823	21	-0.72	3%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0034	574.40	4.2000	601.30	43.971	14.823	21	-0.61	2%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0017	584.60	11.719	601.30	43.971	14.823	21	-0.38	1%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0425	584.70	0.60000	601.30	43.971	14.823	21	-0.38	1%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0918	586.02	28.430	601.30	43.971	14.823	21	-0.35	1%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0675	591.74	16.110	601.30	43.971	14.823	21	-0.22	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	
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2033	600.00	0.00000	601.30	43.971	14.823	21	-0.03	0%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0510	603.50	3.0000	601.30	43.971	14.823	21	0.05	0%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0083	619.50	11.000	601.30	43.971	14.823	21	0.41	2%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0861	620.50	9.0000	601.30	43.971	14.823	21	0.44	2%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2089	623.93	35.300	601.30	43.971	14.823	21	0.51	2%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0964	631.63	10.383	601.30	43.971	14.823	21	0.69	3%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0297	640.00	44.000	601.30	43.971	14.823	21	0.88	3%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0508	643.68	46.150	601.30	43.971	14.823	21	0.96	4%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0512	651.10	0.40000	601.30	43.971	14.823	21	1.13	4%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0682	651.47	0.00000	601.30	43.971	14.823	21	1.14	4%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0035	773.50	3.0000	601.30	43.971	14.823	21	3.92	14%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0098	643.15	93.100	601.30	43.971	14.823	21	0.95	3%	1
025.52	Iron, ICP-MS, Open vessel (mg / kg (ppm))	0186	533.00	16.000				2			0
025.52	Iron, ICP-MS, Open vessel (mg / kg (ppm))	0154	547.38	49.370				2			0
025.53	Iron, ICP-MS, Microwave (mg / kg (ppm))	0553	653.00	18.000				2			0
025.53	Iron, ICP-MS, Microwave (mg / kg (ppm))	0413	667.50	11.000				2			0
025.99	Iron, Miscellaneous (mg / kg (ppm))	0242	539.50	9.0000				3			0
025.99	Iron, Miscellaneous (mg / kg (ppm))	0100	540.50	17.000				3			0
025.99	Iron, Miscellaneous (mg / kg (ppm))	2144	591.33	1.0300				3			0
027.31	Magnesium, AAS, Dry ash (%)	0536	0.08000	0.00000	0.15965	0.01083	0.00516	16	-7.35	25%	0
027.31	Magnesium, AAS, Dry ash (%)	0650	0.14800	0.01200	0.15965	0.01083	0.00516	16	-1.08	4%	0
027.31	Magnesium, AAS, Dry ash (%)	0939	0.15000	0.00000	0.15965	0.01083	0.00516	16	-0.89	3%	0
027.31	Magnesium, AAS, Dry ash (%)	0689	0.15000	0.02000	0.15965	0.01083	0.00516	16	-0.89	3%	0
027.31	Magnesium, AAS, Dry ash (%)	0563	0.15320	0.00340	0.15965	0.01083	0.00516	16	-0.60	2%	0
027.31	Magnesium, AAS, Dry ash (%)	0175	0.15500	0.01000	0.15965	0.01083	0.00516	16	-0.43	1%	0
027.31	Magnesium, AAS, Dry ash (%)	2022	0.15900	0.00200	0.15965	0.01083	0.00516	16	-0.06	0%	0
027.31	Magnesium, AAS, Dry ash (%)	0629	0.16000	0.00000	0.15965	0.01083	0.00516	16	0.03	0%	0
027.31	Magnesium, AAS, Dry ash (%)	0878	0.16000	0.00000	0.15965	0.01083	0.00516	16	0.03	0%	0
027.31	Magnesium, AAS, Dry ash (%)	0142	0.16200	0.00400	0.15965	0.01083	0.00516	16	0.22	1%	0
027.31	Magnesium, AAS, Dry ash (%)	0529	0.16200	0.00400	0.15965	0.01083	0.00516	16	0.22	1%	0
027.31	Magnesium, AAS, Dry ash (%)	0874	0.16250	0.00300	0.15965	0.01083	0.00516	16	0.26	1%	0
027.31	Magnesium, AAS, Dry ash (%)	0208	0.16700	0.00000	0.15965	0.01083	0.00516	16	0.68	2%	0
027.31	Magnesium, AAS, Dry ash (%)	0014	0.17050	0.01900	0.15965	0.01083	0.00516	16	1.00	3%	0
027.31	Magnesium, AAS, Dry ash (%)	0354	0.19000	0.00000	0.15965	0.01083	0.00516	16	2.80	10%	0
027.31	Magnesium, AAS, Dry ash (%)	2097	0.33515	0.00510	0.15965	0.01083	0.00516	16	16.20	55%	0
027.32	Magnesium, AAS, Open vessel (%)	0169	0.14000	0.00000				1			0
027.33	Magnesium, AAS, Microwave (%)	0948	0.16450	0.00100				1			0
027.41	Magnesium, ICP, Dry ash (%)	0407	0.14075	0.00050	0.15960	0.01219	0.00492	25	-1.55	6%	0
027.41	Magnesium, ICP, Dry ash (%)	0148	0.14500	0.01000	0.15960	0.01219	0.00492	25	-1.20	5%	0
027.41	Magnesium, ICP, Dry ash (%)	0511	0.14500	0.01000	0.15960	0.01219	0.00492	25	-1.20	5%	0
027.41	Magnesium, ICP, Dry ash (%)	0011	0.14885	0.00070	0.15960	0.01219	0.00492	25	-0.88	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	
027.41	Magnesium, ICP, Dry ash (%)	0720	0.15000	0.00000	0.15960	0.01219	0.00492	25	-0.79	3%	0
027.41	Magnesium, ICP, Dry ash (%)	2012	0.15000	0.00000	0.15960	0.01219	0.00492	25	-0.79	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0229	0.15150	0.00500	0.15960	0.01219	0.00492	25	-0.66	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0164	0.15200	0.00200	0.15960	0.01219	0.00492	25	-0.62	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0051	0.15315	0.01010	0.15960	0.01219	0.00492	25	-0.53	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0003	0.15500	0.01000	0.15960	0.01219	0.00492	25	-0.38	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0520	0.15500	0.01000	0.15960	0.01219	0.00492	25	-0.38	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0049	0.16000	0.00000	0.15960	0.01219	0.00492	25	0.03	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0139	0.16000	0.00300	0.15960	0.01219	0.00492	25	0.03	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0413	0.16000	0.00000	0.15960	0.01219	0.00492	25	0.03	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0910	0.16000	0.02000	0.15960	0.01219	0.00492	25	0.03	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0171	0.16150	0.00100	0.15960	0.01219	0.00492	25	0.16	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0208	0.16300	0.00600	0.15960	0.01219	0.00492	25	0.28	1%	0
027.41	Magnesium, ICP, Dry ash (%)	2145	0.16450	0.00100	0.15960	0.01219	0.00492	25	0.40	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0019	0.16500	0.01000	0.15960	0.01219	0.00492	25	0.44	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0226	0.17000	0.00000	0.15960	0.01219	0.00492	25	0.85	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0098	0.17500	0.01000	0.15960	0.01219	0.00492	25	1.26	5%	0
027.41	Magnesium, ICP, Dry ash (%)	0405	0.17500	0.01000	0.15960	0.01219	0.00492	25	1.26	5%	0
027.41	Magnesium, ICP, Dry ash (%)	0619	0.17550	0.00300	0.15960	0.01219	0.00492	25	1.30	5%	0
027.41	Magnesium, ICP, Dry ash (%)	0598	0.17590	0.00080	0.15960	0.01219	0.00492	25	1.34	5%	0
027.41	Magnesium, ICP, Dry ash (%)	0358	0.18000	0.00000	0.15960	0.01219	0.00492	25	1.67	6%	0
027.42	Magnesium, ICP, Open vessel (%)	2129	0.13555	0.00850	0.16366	0.01092	0.00481	20	-2.57	9%	0
027.42	Magnesium, ICP, Open vessel (%)	0045	0.14650	0.00500	0.16366	0.01092	0.00481	20	-1.57	5%	0
027.42	Magnesium, ICP, Open vessel (%)	0366	0.15500	0.01000	0.16366	0.01092	0.00481	20	-0.79	3%	0
027.42	Magnesium, ICP, Open vessel (%)	0692	0.15500	0.01000	0.16366	0.01092	0.00481	20	-0.79	3%	0
027.42	Magnesium, ICP, Open vessel (%)	0042	0.15550	0.00300	0.16366	0.01092	0.00481	20	-0.75	2%	0
027.42	Magnesium, ICP, Open vessel (%)	0870	0.15710	0.01020	0.16366	0.01092	0.00481	20	-0.60	2%	0
027.42	Magnesium, ICP, Open vessel (%)	0560	0.15725	0.00150	0.16366	0.01092	0.00481	20	-0.59	2%	0
027.42	Magnesium, ICP, Open vessel (%)	0265	0.16000	0.00000	0.16366	0.01092	0.00481	20	-0.34	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0294	0.16000	0.00000	0.16366	0.01092	0.00481	20	-0.34	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0263	0.16355	0.00210	0.16366	0.01092	0.00481	20	-0.01	0%	0
027.42	Magnesium, ICP, Open vessel (%)	0035	0.16500	0.01000	0.16366	0.01092	0.00481	20	0.12	0%	0
027.42	Magnesium, ICP, Open vessel (%)	2053	0.16500	0.01000	0.16366	0.01092	0.00481	20	0.12	0%	0
027.42	Magnesium, ICP, Open vessel (%)	0357	0.16730	0.00120	0.16366	0.01092	0.00481	20	0.33	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0693	0.16800	0.00200	0.16366	0.01092	0.00481	20	0.40	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0037	0.17000	0.00000	0.16366	0.01092	0.00481	20	0.58	2%	0
027.42	Magnesium, ICP, Open vessel (%)	0186	0.17100	0.01200	0.16366	0.01092	0.00481	20	0.67	2%	0
027.42	Magnesium, ICP, Open vessel (%)	0726	0.17395	0.00070	0.16366	0.01092	0.00481	20	0.94	3%	0
027.42	Magnesium, ICP, Open vessel (%)	0190	0.17500	0.01000	0.16366	0.01092	0.00481	20	1.04	3%	0
027.42	Magnesium, ICP, Open vessel (%)	0278	0.18000	0.00000	0.16366	0.01092	0.00481	20	1.50	5%	0
027.42	Magnesium, ICP, Open vessel (%)	0685	0.18000	0.00000	0.16366	0.01092	0.00481	20	1.50	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	
027.43	Magnesium, ICP, Microwave (%)	0675	0.14000	0.02000	0.16272	0.01182	0.00524	25	-1.92	7%	0
027.43	Magnesium, ICP, Microwave (%)	0345	0.14100	0.00200	0.16272	0.01182	0.00524	25	-1.84	7%	0
027.43	Magnesium, ICP, Microwave (%)	0918	0.15200	0.00600	0.16272	0.01182	0.00524	25	-0.91	3%	0
027.43	Magnesium, ICP, Microwave (%)	0083	0.15500	0.01000	0.16272	0.01182	0.00524	25	-0.65	2%	0
027.43	Magnesium, ICP, Microwave (%)	0510	0.15500	0.01000	0.16272	0.01182	0.00524	25	-0.65	2%	0
027.43	Magnesium, ICP, Microwave (%)	0508	0.15510	0.00380	0.16272	0.01182	0.00524	25	-0.64	2%	0
027.43	Magnesium, ICP, Microwave (%)	0017	0.15600	0.00000	0.16272	0.01182	0.00524	25	-0.57	2%	0
027.43	Magnesium, ICP, Microwave (%)	0043	0.15600	0.00200	0.16272	0.01182	0.00524	25	-0.57	2%	0
027.43	Magnesium, ICP, Microwave (%)	0202	0.15675	0.00170	0.16272	0.01182	0.00524	25	-0.50	2%	0
027.43	Magnesium, ICP, Microwave (%)	0034	0.15785	0.00650	0.16272	0.01182	0.00524	25	-0.41	1%	0
027.43	Magnesium, ICP, Microwave (%)	0861	0.15800	0.00000	0.16272	0.01182	0.00524	25	-0.40	1%	0
027.43	Magnesium, ICP, Microwave (%)	0297	0.16000	0.00000	0.16272	0.01182	0.00524	25	-0.23	1%	0
027.43	Magnesium, ICP, Microwave (%)	2089	0.16000	0.00000	0.16272	0.01182	0.00524	25	-0.23	1%	0
027.43	Magnesium, ICP, Microwave (%)	0964	0.16145	0.01190	0.16272	0.01182	0.00524	25	-0.11	0%	0
027.43	Magnesium, ICP, Microwave (%)	0512	0.16390	0.00220	0.16272	0.01182	0.00524	25	0.10	0%	0
027.43	Magnesium, ICP, Microwave (%)	0027	0.16500	0.00200	0.16272	0.01182	0.00524	25	0.19	1%	0
027.43	Magnesium, ICP, Microwave (%)	0098	0.16500	0.01000	0.16272	0.01182	0.00524	25	0.19	1%	0
027.43	Magnesium, ICP, Microwave (%)	0425	0.16500	0.01000	0.16272	0.01182	0.00524	25	0.19	1%	0
027.43	Magnesium, ICP, Microwave (%)	0035	0.17000	0.00000	0.16272	0.01182	0.00524	25	0.62	2%	0
027.43	Magnesium, ICP, Microwave (%)	2033	0.17000	0.00000	0.16272	0.01182	0.00524	25	0.62	2%	0
027.43	Magnesium, ICP, Microwave (%)	0353	0.17500	0.01000	0.16272	0.01182	0.00524	25	1.04	4%	0
027.43	Magnesium, ICP, Microwave (%)	0089	0.18000	0.00000	0.16272	0.01182	0.00524	25	1.46	5%	0
027.43	Magnesium, ICP, Microwave (%)	0682	0.18000	0.00000	0.16272	0.01182	0.00524	25	1.46	5%	0
027.43	Magnesium, ICP, Microwave (%)	0018	0.18200	0.01200	0.16272	0.01182	0.00524	25	1.63	6%	0
027.43	Magnesium, ICP, Microwave (%)	0968	0.18550	0.01100	0.16272	0.01182	0.00524	25	1.93	7%	0
027.44	Magnesium, ICP, Dry ash (%)	0955	0.15550	0.00100				2			0
027.44	Magnesium, ICP, Dry ash (%)	2004	0.16000	0.00200				2			0
027.52	Magnesium, ICP-MS, Open vessel (%)	0154	0.15585	0.00490				2			0
027.52	Magnesium, ICP-MS, Open vessel (%)	0186	0.16450	0.00500				2			0
027.53	Magnesium, ICP-MS, Microwave (%)	0553	0.16000	0.00000				3			0
027.53	Magnesium, ICP-MS, Microwave (%)	0413	0.16500	0.01000				3			0
027.53	Magnesium, ICP-MS, Microwave (%)	0572	0.16750	0.00100				3			0
027.99	Magnesium, Miscellaneous (%)	2144	0.14820	0.00040	0.15955	0.01459	0.00010	4			0
027.99	Magnesium, Miscellaneous (%)	0242	0.15000	0.00000	0.15955	0.01459	0.00010	4			0
027.99	Magnesium, Miscellaneous (%)	0590	0.16000	0.00000	0.15955	0.01459	0.00010	4			0
027.99	Magnesium, Miscellaneous (%)	0100	0.18000	0.00000	0.15955	0.01459	0.00010	4			0
027.99	Magnesium, Miscellaneous (%)	0889	0.10835	0.00950	0.15955	0.01459	0.00010	4			1
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0689	78.850	1.1000	96.285	11.845	1.5800	9	-1.47	9%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0536	84.125	0.13000	96.285	11.845	1.5800	9	-1.03	6%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0939	94.145	2.0700	96.285	11.845	1.5800	9	-0.18	1%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0354	94.215	0.75000	96.285	11.845	1.5800	9	-0.17	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	
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0878	96.740	0.84000	96.285	11.845	1.5800	9	0.04	0%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	2062	98.450	1.3000	96.285	11.845	1.5800	9	0.18	1%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0563	100.69	4.5296	96.285	11.845	1.5800	9	0.37	2%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0529	105.85	0.50000	96.285	11.845	1.5800	9	0.81	5%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0175	113.50	3.0000	96.285	11.845	1.5800	9	1.45	9%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0208	102.00	10.000	96.285	11.845	1.5800	9	0.48	3%	1
028.33	Manganese, AAS, Microwave (mg / kg (ppm))	0948	86.454	0.00500				1			0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0720	93.180	2.2000	100.17	6.6140	2.9851	17	-1.06	3%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	2012	94.180	3.2800	100.17	6.6140	2.9851	17	-0.91	3%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0164	94.500	5.0000	100.17	6.6140	2.9851	17	-0.86	3%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0051	94.805	2.4100	100.17	6.6140	2.9851	17	-0.81	3%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0520	95.500	3.0000	100.17	6.6140	2.9851	17	-0.71	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0148	95.550	5.3000	100.17	6.6140	2.9851	17	-0.70	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0208	95.570	0.42000	100.17	6.6140	2.9851	17	-0.70	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0407	97.127	0.97660	100.17	6.6140	2.9851	17	-0.46	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0171	98.180	0.68000	100.17	6.6140	2.9851	17	-0.30	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0049	100.75	6.5300	100.17	6.6140	2.9851	17	0.09	0%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0229	101.20	0.60000	100.17	6.6140	2.9851	17	0.16	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0019	104.15	2.5000	100.17	6.6140	2.9851	17	0.60	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0910	104.50	1.0000	100.17	6.6140	2.9851	17	0.65	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0098	105.98	12.640	100.17	6.6140	2.9851	17	0.88	3%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0598	107.55	3.3000	100.17	6.6140	2.9851	17	1.12	4%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0358	114.86	0.64000	100.17	6.6140	2.9851	17	2.22	7%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0405	121.68	0.27000	100.17	6.6140	2.9851	17	3.25	11%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0226	114.50	31.000	100.17	6.6140	2.9851	17	2.17	7%	1
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0870	93.580	1.7000	100.97	6.6905	3.5608	17	-1.10	4%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0037	93.600	16.000	100.97	6.6905	3.5608	17	-1.10	4%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0263	93.850	0.90000	100.97	6.6905	3.5608	17	-1.06	4%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0693	94.991	4.3010	100.97	6.6905	3.5608	17	-0.89	3%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0265	95.000	6.0000	100.97	6.6905	3.5608	17	-0.89	3%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0278	99.000	2.0000	100.97	6.6905	3.5608	17	-0.29	1%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0413	99.000	2.0000	100.97	6.6905	3.5608	17	-0.29	1%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0045	99.250	1.5000	100.97	6.6905	3.5608	17	-0.26	1%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0560	100.25	0.90000	100.97	6.6905	3.5608	17	-0.11	0%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0685	100.46	1.4200	100.97	6.6905	3.5608	17	-0.08	0%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	2053	102.50	1.0000	100.97	6.6905	3.5608	17	0.23	1%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0035	103.50	15.000	100.97	6.6905	3.5608	17	0.38	1%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0692	104.00	0.00000	100.97	6.6905	3.5608	17	0.45	2%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0366	106.50	3.0000	100.97	6.6905	3.5608	17	0.83	3%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0186	109.00	4.0000	100.97	6.6905	3.5608	17	1.20	4%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0357	111.11	0.25200	100.97	6.6905	3.5608	17	1.52	5%	0

Test Material Code # 201732

Method Proficiency Testing Report

Issue Date : 01/31/2018

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0294	118.92	0.56000	100.97	6.6905	3.5608	17	2.68	9%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0042	119.00	34.000	100.97	6.6905	3.5608	17	2.69	9%	1
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0169	90.000	1.8000	99.077	5.1745	2.4954	21	-1.75	5%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0675	92.170	12.440	99.077	5.1745	2.4954	21	-1.33	3%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0861	93.600	2.2000	99.077	5.1745	2.4954	21	-1.06	3%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0353	94.500	3.0000	99.077	5.1745	2.4954	21	-0.88	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0017	95.101	0.52700	99.077	5.1745	2.4954	21	-0.77	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0034	96.385	3.1100	99.077	5.1745	2.4954	21	-0.52	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0043	96.800	0.20000	99.077	5.1745	2.4954	21	-0.44	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0345	97.000	0.40000	99.077	5.1745	2.4954	21	-0.40	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0425	97.750	1.1000	99.077	5.1745	2.4954	21	-0.26	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0968	98.000	2.0000	99.077	5.1745	2.4954	21	-0.21	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2033	98.925	0.15000	99.077	5.1745	2.4954	21	-0.03	0%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0510	99.000	0.00000	99.077	5.1745	2.4954	21	-0.01	0%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0918	99.019	0.48770	99.077	5.1745	2.4954	21	-0.01	0%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0964	100.80	6.1807	99.077	5.1745	2.4954	21	0.33	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0508	101.63	3.7760	99.077	5.1745	2.4954	21	0.49	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0083	102.00	2.0000	99.077	5.1745	2.4954	21	0.56	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0098	102.98	6.6400	99.077	5.1745	2.4954	21	0.75	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0297	105.00	6.0000	99.077	5.1745	2.4954	21	1.14	3%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0682	105.55	0.00000	99.077	5.1745	2.4954	21	1.25	3%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2089	106.26	0.19000	99.077	5.1745	2.4954	21	1.39	4%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0202	107.58	0.20200	99.077	5.1745	2.4954	21	1.64	4%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0035	104.50	21.000	99.077	5.1745	2.4954	21	1.05	3%	1
028.44	Manganese, ICP, Dry ash (mg / kg (ppm))	2004	99.000	0.40000				1			0
028.52	Manganese, ICP-MS, Open vessel (mg / kg (ppm))	0186	104.50	3.0000				1			0
028.53	Manganese, ICP-MS, Microwave (mg / kg (ppm))	0572	103.00	2.0000				3			0
028.53	Manganese, ICP-MS, Microwave (mg / kg (ppm))	0553	103.30	7.4000				3			0
028.53	Manganese, ICP-MS, Microwave (mg / kg (ppm))	0413	103.50	1.0000				3			0
028.99	Manganese, Miscellaneous (mg / kg (ppm))	0242	100.50	3.0000				3			0
028.99	Manganese, Miscellaneous (mg / kg (ppm))	0590	102.00	0.00000				3			0
028.99	Manganese, Miscellaneous (mg / kg (ppm))	0100	107.50	1.0000				3			0
031.00	Phosphorus, Vol (%)	0895	1.7650	0.01000				2			0
031.00	Phosphorus, Vol (%)	0893	1.7900	0.00000				2			0
031.01	Phosphorus, Photometric (%)	0885	1.3165	0.00300	1.7216	0.05839	0.02285	38	-6.94	12%	0
031.01	Phosphorus, Photometric (%)	0650	1.5550	0.05000	1.7216	0.05839	0.02285	38	-2.85	5%	0
031.01	Phosphorus, Photometric (%)	0874	1.6020	0.02000	1.7216	0.05839	0.02285	38	-2.05	3%	0
031.01	Phosphorus, Photometric (%)	0674	1.6200	0.00000	1.7216	0.05839	0.02285	38	-1.74	3%	0
031.01	Phosphorus, Photometric (%)	0233	1.6250	0.01000	1.7216	0.05839	0.02285	38	-1.65	3%	0
031.01	Phosphorus, Photometric (%)	0623	1.6320	0.03000	1.7216	0.05839	0.02285	38	-1.53	3%	0
031.01	Phosphorus, Photometric (%)	2009	1.6384	0.00020	1.7216	0.05839	0.02285	38	-1.43	2%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
031.01	Phosphorus, Photometric (%)	0622	1.6686	0.00060	1.7216	0.05839	0.02285	38	-0.91	2%	0
031.01	Phosphorus, Photometric (%)	0511	1.6750	0.09000	1.7216	0.05839	0.02285	38	-0.80	1%	0
031.01	Phosphorus, Photometric (%)	0940	1.6750	0.05000	1.7216	0.05839	0.02285	38	-0.80	1%	0
031.01	Phosphorus, Photometric (%)	0689	1.6900	0.04000	1.7216	0.05839	0.02285	38	-0.54	1%	0
031.01	Phosphorus, Photometric (%)	0897	1.7050	0.01000	1.7216	0.05839	0.02285	38	-0.28	0%	0
031.01	Phosphorus, Photometric (%)	0142	1.7082	0.00160	1.7216	0.05839	0.02285	38	-0.23	0%	0
031.01	Phosphorus, Photometric (%)	0878	1.7200	0.00000	1.7216	0.05839	0.02285	38	-0.03	0%	0
031.01	Phosphorus, Photometric (%)	0590	1.7250	0.05000	1.7216	0.05839	0.02285	38	0.06	0%	0
031.01	Phosphorus, Photometric (%)	0903	1.7250	0.01000	1.7216	0.05839	0.02285	38	0.06	0%	0
031.01	Phosphorus, Photometric (%)	0651	1.7260	0.03200	1.7216	0.05839	0.02285	38	0.08	0%	0
031.01	Phosphorus, Photometric (%)	0175	1.7300	0.04000	1.7216	0.05839	0.02285	38	0.14	0%	0
031.01	Phosphorus, Photometric (%)	0683	1.7350	0.01000	1.7216	0.05839	0.02285	38	0.23	0%	0
031.01	Phosphorus, Photometric (%)	0884	1.7350	0.05000	1.7216	0.05839	0.02285	38	0.23	0%	0
031.01	Phosphorus, Photometric (%)	0629	1.7450	0.01000	1.7216	0.05839	0.02285	38	0.40	1%	0
031.01	Phosphorus, Photometric (%)	0653	1.7490	0.04400	1.7216	0.05839	0.02285	38	0.47	1%	0
031.01	Phosphorus, Photometric (%)	2006	1.7510	0.04200	1.7216	0.05839	0.02285	38	0.50	1%	0
031.01	Phosphorus, Photometric (%)	0722	1.7512	0.00610	1.7216	0.05839	0.02285	38	0.51	1%	0
031.01	Phosphorus, Photometric (%)	0354	1.7550	0.01000	1.7216	0.05839	0.02285	38	0.57	1%	0
031.01	Phosphorus, Photometric (%)	0939	1.7550	0.01000	1.7216	0.05839	0.02285	38	0.57	1%	0
031.01	Phosphorus, Photometric (%)	0563	1.7576	0.03750	1.7216	0.05839	0.02285	38	0.62	1%	0
031.01	Phosphorus, Photometric (%)	2062	1.7596	0.04230	1.7216	0.05839	0.02285	38	0.65	1%	0
031.01	Phosphorus, Photometric (%)	2068	1.7600	0.00000	1.7216	0.05839	0.02285	38	0.66	1%	0
031.01	Phosphorus, Photometric (%)	0552	1.7650	0.07000	1.7216	0.05839	0.02285	38	0.74	1%	0
031.01	Phosphorus, Photometric (%)	0626	1.7660	0.00400	1.7216	0.05839	0.02285	38	0.76	1%	0
031.01	Phosphorus, Photometric (%)	0035	1.7700	0.02000	1.7216	0.05839	0.02285	38	0.83	1%	0
031.01	Phosphorus, Photometric (%)	0529	1.7700	0.02000	1.7216	0.05839	0.02285	38	0.83	1%	0
031.01	Phosphorus, Photometric (%)	0849	1.7715	0.00300	1.7216	0.05839	0.02285	38	0.85	1%	0
031.01	Phosphorus, Photometric (%)	2022	1.7750	0.01000	1.7216	0.05839	0.02285	38	0.91	2%	0
031.01	Phosphorus, Photometric (%)	0948	1.7845	0.00100	1.7216	0.05839	0.02285	38	1.08	2%	0
031.01	Phosphorus, Photometric (%)	0208	1.7855	0.04100	1.7216	0.05839	0.02285	38	1.09	2%	0
031.01	Phosphorus, Photometric (%)	0016	1.7900	0.00000	1.7216	0.05839	0.02285	38	1.17	2%	0
031.01	Phosphorus, Photometric (%)	0687	1.8000	0.20000	1.7216	0.05839	0.02285	38	1.34	2%	1
031.01	Phosphorus, Photometric (%)	0108	0.69500	0.01000	1.7216	0.05839	0.02285	38	-17.58	30%	2
031.02	Phosphorus, GQMP (AOAC 935.13-Extraction) (%)	2053	1.7850	0.03000				2			0
031.02	Phosphorus, GQMP (AOAC 935.13-Extraction) (%)	0505	1.8050	0.03000				2			0
031.03	Phosphorus, Autoanalyzer (%)	0169	1.6600	0.02000				2			0
031.03	Phosphorus, Autoanalyzer (%)	0036	1.7939	0.00640				2			0
031.06	Phosphorus, Hach Method (%)	0536	1.3400	0.02000				1			0
031.41	Phosphorus, ICP, Dry ash (%)	0520	1.4600	0.08000	1.7344	0.06044	0.03213	28	-4.54	8%	0
031.41	Phosphorus, ICP, Dry ash (%)	0685	1.4950	0.03000	1.7344	0.06044	0.03213	28	-3.96	7%	0
031.41	Phosphorus, ICP, Dry ash (%)	0148	1.5950	0.01000	1.7344	0.06044	0.03213	28	-2.31	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	
031.41	Phosphorus, ICP, Dry ash (%)	0405	1.6550	0.05000	1.7344	0.06044	0.03213	28	-1.31	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0144	1.6700	0.08000	1.7344	0.06044	0.03213	28	-1.07	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0003	1.6750	0.01000	1.7344	0.06044	0.03213	28	-0.98	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0720	1.7050	0.01000	1.7344	0.06044	0.03213	28	-0.49	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0123	1.7100	0.04000	1.7344	0.06044	0.03213	28	-0.40	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0019	1.7150	0.03000	1.7344	0.06044	0.03213	28	-0.32	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	2145	1.7200	0.00000	1.7344	0.06044	0.03213	28	-0.24	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0407	1.7213	0.00040	1.7344	0.06044	0.03213	28	-0.22	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	2012	1.7300	0.04000	1.7344	0.06044	0.03213	28	-0.07	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0011	1.7316	0.01260	1.7344	0.06044	0.03213	28	-0.05	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0139	1.7325	0.01500	1.7344	0.06044	0.03213	28	-0.03	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0171	1.7325	0.00500	1.7344	0.06044	0.03213	28	-0.03	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0051	1.7349	0.02260	1.7344	0.06044	0.03213	28	0.01	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0049	1.7550	0.01000	1.7344	0.06044	0.03213	28	0.34	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0164	1.7550	0.01000	1.7344	0.06044	0.03213	28	0.34	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0619	1.7600	0.00000	1.7344	0.06044	0.03213	28	0.42	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0413	1.7650	0.05000	1.7344	0.06044	0.03213	28	0.51	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0208	1.7680	0.13400	1.7344	0.06044	0.03213	28	0.56	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0298	1.7700	0.02000	1.7344	0.06044	0.03213	28	0.59	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0098	1.7820	0.05600	1.7344	0.06044	0.03213	28	0.79	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0226	1.7950	0.09000	1.7344	0.06044	0.03213	28	1.00	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0229	1.8000	0.00800	1.7344	0.06044	0.03213	28	1.08	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0848	1.8000	0.00000	1.7344	0.06044	0.03213	28	1.08	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0598	1.9570	0.00600	1.7344	0.06044	0.03213	28	3.68	6%	0
031.41	Phosphorus, ICP, Dry ash (%)	0358	2.0500	0.08000	1.7344	0.06044	0.03213	28	5.22	9%	0
031.41	Phosphorus, ICP, Dry ash (%)	0910	1.7200	0.26000	1.7344	0.06044	0.03213	28	-0.24	0%	1
031.42	Phosphorus, ICP, Open vessel (%)	0186	1.5200	0.02000	1.7449	0.08056	0.03757	20	-2.79	6%	0
031.42	Phosphorus, ICP, Open vessel (%)	2129	1.6500	0.10000	1.7449	0.08056	0.03757	20	-1.18	3%	0
031.42	Phosphorus, ICP, Open vessel (%)	0045	1.6700	0.04000	1.7449	0.08056	0.03757	20	-0.93	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0294	1.6700	0.00000	1.7449	0.08056	0.03757	20	-0.93	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0693	1.6990	0.00400	1.7449	0.08056	0.03757	20	-0.57	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0870	1.7075	0.05300	1.7449	0.08056	0.03757	20	-0.46	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0035	1.7150	0.11000	1.7449	0.08056	0.03757	20	-0.37	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0278	1.7150	0.01000	1.7449	0.08056	0.03757	20	-0.37	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0037	1.7200	0.02000	1.7449	0.08056	0.03757	20	-0.31	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0042	1.7250	0.15000	1.7449	0.08056	0.03757	20	-0.25	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0560	1.7318	0.02910	1.7449	0.08056	0.03757	20	-0.16	0%	0
031.42	Phosphorus, ICP, Open vessel (%)	0366	1.7500	0.04000	1.7449	0.08056	0.03757	20	0.06	0%	0
031.42	Phosphorus, ICP, Open vessel (%)	0263	1.7531	0.00620	1.7449	0.08056	0.03757	20	0.10	0%	0
031.42	Phosphorus, ICP, Open vessel (%)	0014	1.7700	0.08000	1.7449	0.08056	0.03757	20	0.31	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0357	1.7850	0.00000	1.7449	0.08056	0.03757	20	0.50	1%	0

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031.42	Phosphorus, ICP, Open vessel (%)	0205	1.7900	0.02000	1.7449	0.08056	0.03757	20	0.56	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0265	1.8250	0.01000	1.7449	0.08056	0.03757	20	0.99	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0692	1.8950	0.03000	1.7449	0.08056	0.03757	20	1.86	4%	0
031.42	Phosphorus, ICP, Open vessel (%)	0726	1.9145	0.00900	1.7449	0.08056	0.03757	20	2.11	5%	0
031.42	Phosphorus, ICP, Open vessel (%)	0190	1.9300	0.02000	1.7449	0.08056	0.03757	20	2.30	5%	0
031.43	Phosphorus, ICP, Microwave (%)	0089	1.5900	0.00000	1.7820	0.07968	0.03952	26	-2.41	5%	0
031.43	Phosphorus, ICP, Microwave (%)	0345	1.6300	0.04000	1.7820	0.07968	0.03952	26	-1.91	4%	0
031.43	Phosphorus, ICP, Microwave (%)	0034	1.6616	0.06990	1.7820	0.07968	0.03952	26	-1.51	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0918	1.6955	0.00300	1.7820	0.07968	0.03952	26	-1.09	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0968	1.6970	0.00600	1.7820	0.07968	0.03952	26	-1.07	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0297	1.7500	0.04000	1.7820	0.07968	0.03952	26	-0.40	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0861	1.7550	0.07000	1.7820	0.07968	0.03952	26	-0.34	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0017	1.7600	0.06800	1.7820	0.07968	0.03952	26	-0.28	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0682	1.7600	0.00000	1.7820	0.07968	0.03952	26	-0.28	1%	0
031.43	Phosphorus, ICP, Microwave (%)	2089	1.7600	0.00000	1.7820	0.07968	0.03952	26	-0.28	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0006	1.7645	0.03300	1.7820	0.07968	0.03952	26	-0.22	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0508	1.7657	0.05100	1.7820	0.07968	0.03952	26	-0.20	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0033	1.7700	0.04000	1.7820	0.07968	0.03952	26	-0.15	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0675	1.7700	0.10000	1.7820	0.07968	0.03952	26	-0.15	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0202	1.7740	0.02800	1.7820	0.07968	0.03952	26	-0.10	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0510	1.7950	0.01000	1.7820	0.07968	0.03952	26	0.16	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0027	1.7975	0.00900	1.7820	0.07968	0.03952	26	0.20	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0036	1.8173	0.00120	1.7820	0.07968	0.03952	26	0.44	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0098	1.8230	0.10000	1.7820	0.07968	0.03952	26	0.52	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0035	1.8400	0.00000	1.7820	0.07968	0.03952	26	0.73	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0964	1.8445	0.10940	1.7820	0.07968	0.03952	26	0.79	2%	0
031.43	Phosphorus, ICP, Microwave (%)	2033	1.8550	0.13000	1.7820	0.07968	0.03952	26	0.92	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0512	1.8565	0.00900	1.7820	0.07968	0.03952	26	0.94	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0425	1.8900	0.06000	1.7820	0.07968	0.03952	26	1.36	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0353	1.9500	0.02000	1.7820	0.07968	0.03952	26	2.11	5%	0
031.43	Phosphorus, ICP, Microwave (%)	0083	2.1050	0.03000	1.7820	0.07968	0.03952	26	4.05	9%	0
031.44	Phosphorus, ICP, Dry ash (%)	0955	1.7350	0.03000				2			0
031.44	Phosphorus, ICP, Dry ash (%)	2004	1.7900	0.02000				2			0
031.52	Phosphorus, ICP-MS, Open vessel (%)	0154	1.6571	0.00720				2			0
031.52	Phosphorus, ICP-MS, Open vessel (%)	0186	1.7050	0.09000				2			0
031.53	Phosphorus, ICP-MS, Microwave (%)	0413	1.8100	0.06000				3			0
031.53	Phosphorus, ICP-MS, Microwave (%)	0553	1.8100	0.08000				3			0
031.53	Phosphorus, ICP-MS, Microwave (%)	0572	1.9950	0.03000				3			0
031.99	Phosphorus, Miscellaneous (%)	0889	1.2046	0.00480	1.5878	0.27074	0.01783	7	-1.42	12%	0
031.99	Phosphorus, Miscellaneous (%)	2105	1.2900	0.00000	1.5878	0.27074	0.01783	7	-1.10	9%	0
031.99	Phosphorus, Miscellaneous (%)	0676	1.6800	0.02000	1.5878	0.27074	0.01783	7	0.34	3%	0



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031.99	Phosphorus, Miscellaneous (%)	0852	1.6800	0.04000	1.5878	0.27074	0.01783	7	0.34	3%	0
031.99	Phosphorus, Miscellaneous (%)	0100	1.6900	0.02000	1.5878	0.27074	0.01783	7	0.38	3%	0
031.99	Phosphorus, Miscellaneous (%)	2144	1.7600	0.02000	1.5878	0.27074	0.01783	7	0.64	5%	0
031.99	Phosphorus, Miscellaneous (%)	0242	1.8100	0.02000	1.5878	0.27074	0.01783	7	0.82	7%	0
031.99	Phosphorus, Miscellaneous (%)	0300	2.0200	0.14000	1.5878	0.27074	0.01783	7	1.60	14%	1
032.31	Potassium, AAS, Dry ash (%)	0536	0.22000	0.02000	0.56736	0.02707	0.01342	15	-12.83	31%	0
032.31	Potassium, AAS, Dry ash (%)	0629	0.53750	0.00500	0.56736	0.02707	0.01342	15	-1.10	3%	0
032.31	Potassium, AAS, Dry ash (%)	2022	0.54500	0.00200	0.56736	0.02707	0.01342	15	-0.83	2%	0
032.31	Potassium, AAS, Dry ash (%)	0948	0.55050	0.00700	0.56736	0.02707	0.01342	15	-0.62	1%	0
032.31	Potassium, AAS, Dry ash (%)	0014	0.55450	0.05100	0.56736	0.02707	0.01342	15	-0.48	1%	0
032.31	Potassium, AAS, Dry ash (%)	0354	0.56000	0.00000	0.56736	0.02707	0.01342	15	-0.27	1%	0
032.31	Potassium, AAS, Dry ash (%)	0650	0.56200	0.01600	0.56736	0.02707	0.01342	15	-0.20	0%	0
032.31	Potassium, AAS, Dry ash (%)	0874	0.56550	0.03700	0.56736	0.02707	0.01342	15	-0.07	0%	0
032.31	Potassium, AAS, Dry ash (%)	0142	0.56725	0.00630	0.56736	0.02707	0.01342	15	0.00	0%	0
032.31	Potassium, AAS, Dry ash (%)	0175	0.57000	0.02000	0.56736	0.02707	0.01342	15	0.10	0%	0
032.31	Potassium, AAS, Dry ash (%)	0878	0.58000	0.00000	0.56736	0.02707	0.01342	15	0.47	1%	0
032.31	Potassium, AAS, Dry ash (%)	0208	0.58050	0.00700	0.56736	0.02707	0.01342	15	0.49	1%	0
032.31	Potassium, AAS, Dry ash (%)	2053	0.59500	0.01000	0.56736	0.02707	0.01342	15	1.02	2%	0
032.31	Potassium, AAS, Dry ash (%)	0939	0.62500	0.01000	0.56736	0.02707	0.01342	15	2.13	5%	0
032.31	Potassium, AAS, Dry ash (%)	0529	0.72500	0.01000	0.56736	0.02707	0.01342	15	5.82	14%	0
032.32	Potassium, AAS, Open vessel (%)	0169	0.52500	0.03000				1			0
032.41	Potassium, ICP, Dry ash (%)	0511	0.49500	0.01000	0.56716	0.03977	0.01502	24	-1.81	6%	0
032.41	Potassium, ICP, Dry ash (%)	0144	0.50000	0.04000	0.56716	0.03977	0.01502	24	-1.69	6%	0
032.41	Potassium, ICP, Dry ash (%)	2012	0.51000	0.04000	0.56716	0.03977	0.01502	24	-1.44	5%	0
032.41	Potassium, ICP, Dry ash (%)	0720	0.52000	0.00000	0.56716	0.03977	0.01502	24	-1.19	4%	0
032.41	Potassium, ICP, Dry ash (%)	0229	0.53950	0.02500	0.56716	0.03977	0.01502	24	-0.70	2%	0
032.41	Potassium, ICP, Dry ash (%)	0148	0.54950	0.01700	0.56716	0.03977	0.01502	24	-0.44	2%	0
032.41	Potassium, ICP, Dry ash (%)	0019	0.55000	0.02000	0.56716	0.03977	0.01502	24	-0.43	2%	0
032.41	Potassium, ICP, Dry ash (%)	0171	0.55400	0.00600	0.56716	0.03977	0.01502	24	-0.33	1%	0
032.41	Potassium, ICP, Dry ash (%)	0208	0.55650	0.00500	0.56716	0.03977	0.01502	24	-0.27	1%	0
032.41	Potassium, ICP, Dry ash (%)	0011	0.55665	0.00450	0.56716	0.03977	0.01502	24	-0.26	1%	0
032.41	Potassium, ICP, Dry ash (%)	0910	0.56000	0.06000	0.56716	0.03977	0.01502	24	-0.18	1%	0
032.41	Potassium, ICP, Dry ash (%)	0619	0.56250	0.00700	0.56716	0.03977	0.01502	24	-0.12	0%	0
032.41	Potassium, ICP, Dry ash (%)	0164	0.56750	0.00300	0.56716	0.03977	0.01502	24	0.01	0%	0
032.41	Potassium, ICP, Dry ash (%)	0051	0.57110	0.01880	0.56716	0.03977	0.01502	24	0.10	0%	0
032.41	Potassium, ICP, Dry ash (%)	0598	0.57465	0.00690	0.56716	0.03977	0.01502	24	0.19	1%	0
032.41	Potassium, ICP, Dry ash (%)	0520	0.57500	0.01000	0.56716	0.03977	0.01502	24	0.20	1%	0
032.41	Potassium, ICP, Dry ash (%)	0049	0.59000	0.00000	0.56716	0.03977	0.01502	24	0.57	2%	0
032.41	Potassium, ICP, Dry ash (%)	0139	0.59250	0.02500	0.56716	0.03977	0.01502	24	0.64	2%	0
032.41	Potassium, ICP, Dry ash (%)	0226	0.59500	0.01000	0.56716	0.03977	0.01502	24	0.70	2%	0
032.41	Potassium, ICP, Dry ash (%)	0413	0.60000	0.00000	0.56716	0.03977	0.01502	24	0.83	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	
032.41	Potassium, ICP, Dry ash (%)	0098	0.60500	0.01000	0.56716	0.03977	0.01502	24	0.95	3%	0
032.41	Potassium, ICP, Dry ash (%)	0407	0.61565	0.00230	0.56716	0.03977	0.01502	24	1.22	4%	0
032.41	Potassium, ICP, Dry ash (%)	0358	0.62500	0.01000	0.56716	0.03977	0.01502	24	1.45	5%	0
032.41	Potassium, ICP, Dry ash (%)	0405	0.63500	0.03000	0.56716	0.03977	0.01502	24	1.71	6%	0
032.41	Potassium, ICP, Dry ash (%)	0003	0.57000	0.08000	0.56716	0.03977	0.01502	24	0.07	0%	1
032.42	Potassium, ICP, Open vessel (%)	2129	0.52550	0.03300	0.58394	0.03926	0.01724	19	-1.49	5%	0
032.42	Potassium, ICP, Open vessel (%)	0042	0.53600	0.01000	0.58394	0.03926	0.01724	19	-1.22	4%	0
032.42	Potassium, ICP, Open vessel (%)	0035	0.54500	0.05000	0.58394	0.03926	0.01724	19	-0.99	3%	0
032.42	Potassium, ICP, Open vessel (%)	0045	0.54500	0.02800	0.58394	0.03926	0.01724	19	-0.99	3%	0
032.42	Potassium, ICP, Open vessel (%)	0693	0.54800	0.01600	0.58394	0.03926	0.01724	19	-0.92	3%	0
032.42	Potassium, ICP, Open vessel (%)	0294	0.56500	0.03000	0.58394	0.03926	0.01724	19	-0.48	2%	0
032.42	Potassium, ICP, Open vessel (%)	0205	0.57250	0.00300	0.58394	0.03926	0.01724	19	-0.29	1%	0
032.42	Potassium, ICP, Open vessel (%)	0560	0.57550	0.00200	0.58394	0.03926	0.01724	19	-0.22	1%	0
032.42	Potassium, ICP, Open vessel (%)	0870	0.57940	0.00420	0.58394	0.03926	0.01724	19	-0.12	0%	0
032.42	Potassium, ICP, Open vessel (%)	0037	0.58500	0.01000	0.58394	0.03926	0.01724	19	0.03	0%	0
032.42	Potassium, ICP, Open vessel (%)	0265	0.58500	0.03000	0.58394	0.03926	0.01724	19	0.03	0%	0
032.42	Potassium, ICP, Open vessel (%)	0278	0.58500	0.03000	0.58394	0.03926	0.01724	19	0.03	0%	0
032.42	Potassium, ICP, Open vessel (%)	0186	0.59400	0.00400	0.58394	0.03926	0.01724	19	0.26	1%	0
032.42	Potassium, ICP, Open vessel (%)	0357	0.61925	0.00610	0.58394	0.03926	0.01724	19	0.90	3%	0
032.42	Potassium, ICP, Open vessel (%)	0692	0.62000	0.02000	0.58394	0.03926	0.01724	19	0.92	3%	0
032.42	Potassium, ICP, Open vessel (%)	0263	0.62015	0.01710	0.58394	0.03926	0.01724	19	0.92	3%	0
032.42	Potassium, ICP, Open vessel (%)	0190	0.62500	0.01000	0.58394	0.03926	0.01724	19	1.05	4%	0
032.42	Potassium, ICP, Open vessel (%)	0726	0.62680	0.00420	0.58394	0.03926	0.01724	19	1.09	4%	0
032.42	Potassium, ICP, Open vessel (%)	0366	0.69000	0.02000	0.58394	0.03926	0.01724	19	2.70	9%	0
032.43	Potassium, ICP, Microwave (%)	0918	0.53400	0.03000	0.57004	0.02919	0.01298	24	-1.23	3%	0
032.43	Potassium, ICP, Microwave (%)	0089	0.54000	0.00000	0.57004	0.02919	0.01298	24	-1.03	3%	0
032.43	Potassium, ICP, Microwave (%)	0353	0.54000	0.02000	0.57004	0.02919	0.01298	24	-1.03	3%	0
032.43	Potassium, ICP, Microwave (%)	0675	0.54000	0.02000	0.57004	0.02919	0.01298	24	-1.03	3%	0
032.43	Potassium, ICP, Microwave (%)	0682	0.54000	0.00000	0.57004	0.02919	0.01298	24	-1.03	3%	0
032.43	Potassium, ICP, Microwave (%)	0968	0.54400	0.00400	0.57004	0.02919	0.01298	24	-0.89	2%	0
032.43	Potassium, ICP, Microwave (%)	0035	0.54500	0.05000	0.57004	0.02919	0.01298	24	-0.86	2%	0
032.43	Potassium, ICP, Microwave (%)	0034	0.54950	0.00500	0.57004	0.02919	0.01298	24	-0.70	2%	0
032.43	Potassium, ICP, Microwave (%)	0861	0.55350	0.00300	0.57004	0.02919	0.01298	24	-0.57	1%	0
032.43	Potassium, ICP, Microwave (%)	0345	0.55500	0.01000	0.57004	0.02919	0.01298	24	-0.52	1%	0
032.43	Potassium, ICP, Microwave (%)	0510	0.56000	0.00000	0.57004	0.02919	0.01298	24	-0.34	1%	0
032.43	Potassium, ICP, Microwave (%)	0425	0.56500	0.03000	0.57004	0.02919	0.01298	24	-0.17	0%	0
032.43	Potassium, ICP, Microwave (%)	0043	0.57300	0.00800	0.57004	0.02919	0.01298	24	0.10	0%	0
032.43	Potassium, ICP, Microwave (%)	0027	0.58000	0.00400	0.57004	0.02919	0.01298	24	0.34	1%	0
032.43	Potassium, ICP, Microwave (%)	0083	0.58500	0.01000	0.57004	0.02919	0.01298	24	0.51	1%	0
032.43	Potassium, ICP, Microwave (%)	0512	0.58750	0.00120	0.57004	0.02919	0.01298	24	0.60	2%	0
032.43	Potassium, ICP, Microwave (%)	0508	0.58780	0.01960	0.57004	0.02919	0.01298	24	0.61	2%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
032.43	Potassium, ICP, Microwave (%)	0098	0.59000	0.04000	0.57004	0.02919	0.01298	24	0.68	2%	0
032.43	Potassium, ICP, Microwave (%)	2033	0.59000	0.00000	0.57004	0.02919	0.01298	24	0.68	2%	0
032.43	Potassium, ICP, Microwave (%)	0006	0.59250	0.00500	0.57004	0.02919	0.01298	24	0.77	2%	0
032.43	Potassium, ICP, Microwave (%)	2089	0.60000	0.00000	0.57004	0.02919	0.01298	24	1.03	3%	0
032.43	Potassium, ICP, Microwave (%)	0017	0.60150	0.01900	0.57004	0.02919	0.01298	24	1.08	3%	0
032.43	Potassium, ICP, Microwave (%)	0297	0.61500	0.03000	0.57004	0.02919	0.01298	24	1.54	4%	0
032.43	Potassium, ICP, Microwave (%)	0202	0.63930	0.00260	0.57004	0.02919	0.01298	24	2.37	6%	0
032.43	Potassium, ICP, Microwave (%)	0964	0.60730	0.07060	0.57004	0.02919	0.01298	24	1.28	3%	1
032.44	Potassium, ICP, Dry ash (%)	0955	0.55150	0.01700				2			0
032.44	Potassium, ICP, Dry ash (%)	2004	0.60900	0.01000				2			0
032.52	Potassium, ICP-MS, Open vessel (%)	0154	0.55250	0.01960				2			0
032.52	Potassium, ICP-MS, Open vessel (%)	0186	0.56200	0.02400				2			0
032.53	Potassium, ICP-MS, Microwave (%)	0553	0.54950	0.01700				3			0
032.53	Potassium, ICP-MS, Microwave (%)	0413	0.61000	0.00000				3			0
032.53	Potassium, ICP-MS, Microwave (%)	0572	0.67900	0.04600				3			0
032.99	Potassium, Miscellaneous (%)	0889	0.11025	0.05650				3			0
032.99	Potassium, Miscellaneous (%)	0100	0.56500	0.01000				3			0
032.99	Potassium, Miscellaneous (%)	0242	0.58500	0.01000				3			0
033.00	Salt as chloride, Sol Cl (%)	0171	1.0700	0.00000	1.2047	0.07892	0.02066	18	-1.71	6%	0
033.00	Salt as chloride, Sol Cl (%)	0893	1.0900	0.00000	1.2047	0.07892	0.02066	18	-1.45	5%	0
033.00	Salt as chloride, Sol Cl (%)	0353	1.0950	0.03000	1.2047	0.07892	0.02066	18	-1.39	5%	0
033.00	Salt as chloride, Sol Cl (%)	0539	1.1350	0.01000	1.2047	0.07892	0.02066	18	-0.88	3%	0
033.00	Salt as chloride, Sol Cl (%)	0897	1.1450	0.01000	1.2047	0.07892	0.02066	18	-0.76	2%	0
033.00	Salt as chloride, Sol Cl (%)	0693	1.1630	0.04600	1.2047	0.07892	0.02066	18	-0.53	2%	0
033.00	Salt as chloride, Sol Cl (%)	0903	1.2050	0.01000	1.2047	0.07892	0.02066	18	0.00	0%	0
033.00	Salt as chloride, Sol Cl (%)	0045	1.2150	0.03000	1.2047	0.07892	0.02066	18	0.13	0%	0
033.00	Salt as chloride, Sol Cl (%)	0298	1.2200	0.02000	1.2047	0.07892	0.02066	18	0.19	1%	0
033.00	Salt as chloride, Sol Cl (%)	2022	1.2310	0.06000	1.2047	0.07892	0.02066	18	0.33	1%	0
033.00	Salt as chloride, Sol Cl (%)	2009	1.2323	0.00440	1.2047	0.07892	0.02066	18	0.35	1%	0
033.00	Salt as chloride, Sol Cl (%)	0885	1.2342	0.00980	1.2047	0.07892	0.02066	18	0.37	1%	0
033.00	Salt as chloride, Sol Cl (%)	0884	1.2400	0.04000	1.2047	0.07892	0.02066	18	0.45	1%	0
033.00	Salt as chloride, Sol Cl (%)	0675	1.2600	0.04000	1.2047	0.07892	0.02066	18	0.70	2%	0
033.00	Salt as chloride, Sol Cl (%)	0366	1.2650	0.03000	1.2047	0.07892	0.02066	18	0.76	3%	0
033.00	Salt as chloride, Sol Cl (%)	0309	1.2720	0.00170	1.2047	0.07892	0.02066	18	0.85	3%	0
033.00	Salt as chloride, Sol Cl (%)	2062	1.2800	0.02000	1.2047	0.07892	0.02066	18	0.95	3%	0
033.00	Salt as chloride, Sol Cl (%)	0895	1.3150	0.01000	1.2047	0.07892	0.02066	18	1.40	5%	0
033.00	Salt as chloride, Sol Cl (%)	0169	0.00000	0.00000	1.2047	0.07892	0.02066	18			4
033.01	Salt as chloride, Poten Cl (%)	0619	1.0800	0.02000	1.2928	0.02503	0.01532	25	-8.50	8%	0
033.01	Salt as chloride, Poten Cl (%)	0148	1.2445	0.00100	1.2928	0.02503	0.01532	25	-1.93	2%	0
033.01	Salt as chloride, Poten Cl (%)	0590	1.2650	0.01000	1.2928	0.02503	0.01532	25	-1.11	1%	0
033.01	Salt as chloride, Poten Cl (%)	0083	1.2700	0.02000	1.2928	0.02503	0.01532	25	-0.91	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 (%)	0650	1.2750	0.07000	1.2928	0.02503	0.01532	25	-0.71	1%	0
033.01	Salt as chloride, Poten CI (%)	0683	1.2750	0.03000	1.2928	0.02503	0.01532	25	-0.71	1%	0
033.01	Salt as chloride, Poten CI (%)	0226	1.2800	0.02000	1.2928	0.02503	0.01532	25	-0.51	0%	0
033.01	Salt as chloride, Poten CI (%)	0242	1.2800	0.02000	1.2928	0.02503	0.01532	25	-0.51	0%	0
033.01	Salt as chloride, Poten CI (%)	0407	1.2800	0.00400	1.2928	0.02503	0.01532	25	-0.51	0%	0
033.01	Salt as chloride, Poten CI (%)	0425	1.2800	0.00000	1.2928	0.02503	0.01532	25	-0.51	0%	0
033.01	Salt as chloride, Poten CI (%)	0510	1.2800	0.02000	1.2928	0.02503	0.01532	25	-0.51	0%	0
033.01	Salt as chloride, Poten CI (%)	0354	1.2900	0.00000	1.2928	0.02503	0.01532	25	-0.11	0%	0
033.01	Salt as chloride, Poten CI (%)	0948	1.2900	0.00000	1.2928	0.02503	0.01532	25	-0.11	0%	0
033.01	Salt as chloride, Poten CI (%)	0229	1.2920	0.00400	1.2928	0.02503	0.01532	25	-0.03	0%	0
033.01	Salt as chloride, Poten CI (%)	0861	1.2950	0.01000	1.2928	0.02503	0.01532	25	0.09	0%	0
033.01	Salt as chloride, Poten CI (%)	0205	1.3000	0.02000	1.2928	0.02503	0.01532	25	0.29	0%	0
033.01	Salt as chloride, Poten CI (%)	0186	1.3100	0.06000	1.2928	0.02503	0.01532	25	0.69	1%	0
033.01	Salt as chloride, Poten CI (%)	0278	1.3100	0.02000	1.2928	0.02503	0.01532	25	0.69	1%	0
033.01	Salt as chloride, Poten CI (%)	0629	1.3100	0.00000	1.2928	0.02503	0.01532	25	0.69	1%	0
033.01	Salt as chloride, Poten CI (%)	0644	1.3118	0.00390	1.2928	0.02503	0.01532	25	0.76	1%	0
033.01	Salt as chloride, Poten CI (%)	0098	1.3150	0.03000	1.2928	0.02503	0.01532	25	0.89	1%	0
033.01	Salt as chloride, Poten CI (%)	0164	1.3200	0.02000	1.2928	0.02503	0.01532	25	1.09	1%	0
033.01	Salt as chloride, Poten CI (%)	0175	1.3200	0.00000	1.2928	0.02503	0.01532	25	1.09	1%	0
033.01	Salt as chloride, Poten CI (%)	0874	1.3360	0.00000	1.2928	0.02503	0.01532	25	1.73	2%	0
033.01	Salt as chloride, Poten CI (%)	0413	1.3400	0.00000	1.2928	0.02503	0.01532	25	1.89	2%	0
033.01	Salt as chloride, Poten CI (%)	0100	2.2300	0.16000	1.2928	0.02503	0.01532	25	37.45	36%	2
033.03	Salt as chloride, Quantab (%)	0265	1.3300	0.00000				2			0
033.03	Salt as chloride, Quantab (%)	0144	1.3450	0.11000				2			0
033.05	Salt as chloride, Ion Sel Electrode (%)	0878	1.1600	0.02000				3			0
033.05	Salt as chloride, Ion Sel Electrode (%)	2129	1.2495	0.03100				3			0
033.05	Salt as chloride, Ion Sel Electrode (%)	0689	1.2500	0.04000				3			0
033.99	Salt, Miscellaneous (%)	0017	0.91700	0.00800	1.1117	0.15165	0.01400	7	-1.28	9%	0
033.99	Salt, Miscellaneous (%)	0358	0.94500	0.01000	1.1117	0.15165	0.01400	7	-1.10	7%	0
033.99	Salt, Miscellaneous (%)	2033	1.0850	0.03000	1.1117	0.15165	0.01400	7	-0.18	1%	0
033.99	Salt, Miscellaneous (%)	0536	1.1700	0.02000	1.1117	0.15165	0.01400	7	0.38	3%	0
033.99	Salt, Miscellaneous (%)	0910	1.2050	0.01000	1.1117	0.15165	0.01400	7	0.62	4%	0
033.99	Salt, Miscellaneous (%)	0552	1.2100	0.02000	1.1117	0.15165	0.01400	7	0.65	4%	0
033.99	Salt, Miscellaneous (%)	0682	1.2500	0.00000	1.1117	0.15165	0.01400	7	0.91	6%	0
033.99	Salt, Miscellaneous (%)	2073	1.1500	0.16000	1.1117	0.15165	0.01400	7	0.25	2%	1
034.01	Selenium, Fluor (mg / kg (ppm))	0038	1.6500	0.08000				1			0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0045	1.3400	0.04000				3			0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0171	1.4550	0.09000				3			0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0169	1.6200	0.00000				3			0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0164	1.5750	0.35000				3			1
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0563	0.25545	0.06670				3			2

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
034.42	Selenium, ICP, Open vessel (mg / kg (ppm))	0692	0.10000	0.00000				1			0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	0964	1.3048	0.28710				2			0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	2033	2.0700	0.06000				2			0
034.52	Selenium, ICP-MS, Open vessel (mg / kg (ppm))	0910	1.8350	0.01000				2			0
034.52	Selenium, ICP-MS, Open vessel (mg / kg (ppm))	0186	2.3150	0.43000				2			0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0553	1.5500	0.02000	1.8038	0.30024	0.05980	6	-0.85	7%	0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0560	1.5600	0.04000	1.8038	0.30024	0.05980	6	-0.81	7%	0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	2012	1.7000	0.02000	1.8038	0.30024	0.05980	6	-0.35	3%	0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0098	1.7520	0.02400	1.8038	0.30024	0.05980	6	-0.17	1%	0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0918	2.1255	0.08480	1.8038	0.30024	0.05980	6	1.07	9%	0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0413	2.1350	0.17000	1.8038	0.30024	0.05980	6	1.10	9%	0
035.01	Sodium, Ion-selective electrode (%)	0878	0.30100	0.00200				2			0
035.01	Sodium, Ion-selective electrode (%)	2006	0.30900	0.00000				2			0
035.02	Sodium, Em Spect (%)	0884	0.36000	0.00000				1			0
035.05	Sodium, Flame Emission (%)	0037	0.27000	0.06000				2			0
035.05	Sodium, Flame Emission (%)	0108	0.35500	0.01000				2			0
035.31	Sodium, AAS, Dry ash (%)	0536	0.30500	0.01000	0.34090	0.01537	0.00897	16	-2.34	5%	0
035.31	Sodium, AAS, Dry ash (%)	0650	0.32100	0.02000	0.34090	0.01537	0.00897	16	-1.30	3%	0
035.31	Sodium, AAS, Dry ash (%)	0689	0.32500	0.03000	0.34090	0.01537	0.00897	16	-1.03	2%	0
035.31	Sodium, AAS, Dry ash (%)	0563	0.32725	0.00250	0.34090	0.01537	0.00897	16	-0.89	2%	0
035.31	Sodium, AAS, Dry ash (%)	2022	0.32800	0.00400	0.34090	0.01537	0.00897	16	-0.84	2%	0
035.31	Sodium, AAS, Dry ash (%)	0629	0.33750	0.00500	0.34090	0.01537	0.00897	16	-0.22	0%	0
035.31	Sodium, AAS, Dry ash (%)	0142	0.34190	0.00400	0.34090	0.01537	0.00897	16	0.06	0%	0
035.31	Sodium, AAS, Dry ash (%)	0175	0.34500	0.01000	0.34090	0.01537	0.00897	16	0.27	1%	0
035.31	Sodium, AAS, Dry ash (%)	0233	0.34500	0.01000	0.34090	0.01537	0.00897	16	0.27	1%	0
035.31	Sodium, AAS, Dry ash (%)	0878	0.34500	0.01000	0.34090	0.01537	0.00897	16	0.27	1%	0
035.31	Sodium, AAS, Dry ash (%)	0939	0.34500	0.01000	0.34090	0.01537	0.00897	16	0.27	1%	0
035.31	Sodium, AAS, Dry ash (%)	0354	0.35000	0.00000	0.34090	0.01537	0.00897	16	0.59	1%	0
035.31	Sodium, AAS, Dry ash (%)	0874	0.35100	0.01000	0.34090	0.01537	0.00897	16	0.66	1%	0
035.31	Sodium, AAS, Dry ash (%)	0208	0.35550	0.01500	0.34090	0.01537	0.00897	16	0.95	2%	0
035.31	Sodium, AAS, Dry ash (%)	0529	0.35550	0.00100	0.34090	0.01537	0.00897	16	0.95	2%	0
035.31	Sodium, AAS, Dry ash (%)	0948	0.37700	0.00200	0.34090	0.01537	0.00897	16	2.35	5%	0
035.31	Sodium, AAS, Dry ash (%)	2097	0.67380	0.01340	0.34090	0.01537	0.00897	16	21.66	49%	2
035.32	Sodium, AAS, Open vessel (%)	0169	0.30500	0.00200				1			0
035.33	Sodium, AAS, Microwave (%)	0300	0.30000	0.02000				1			0
035.41	Sodium, ICP, Dry ash (%)	0405	0.27300	0.00600	0.34568	0.01893	0.01057	29	-3.84	11%	0
035.41	Sodium, ICP, Dry ash (%)	0148	0.31650	0.01900	0.34568	0.01893	0.01057	29	-1.54	4%	0
035.41	Sodium, ICP, Dry ash (%)	0720	0.32000	0.00000	0.34568	0.01893	0.01057	29	-1.36	4%	0
035.41	Sodium, ICP, Dry ash (%)	2012	0.32500	0.01000	0.34568	0.01893	0.01057	29	-1.09	3%	0
035.41	Sodium, ICP, Dry ash (%)	0144	0.33000	0.04000	0.34568	0.01893	0.01057	29	-0.83	2%	0
035.41	Sodium, ICP, Dry ash (%)	0910	0.33000	0.04000	0.34568	0.01893	0.01057	29	-0.83	2%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
035.41	Sodium, ICP, Dry ash (%)	0123	0.33500	0.01000	0.34568	0.01893	0.01057	29	-0.56	2%	0
035.41	Sodium, ICP, Dry ash (%)	0164	0.33650	0.00300	0.34568	0.01893	0.01057	29	-0.48	1%	0
035.41	Sodium, ICP, Dry ash (%)	0520	0.33760	0.00580	0.34568	0.01893	0.01057	29	-0.43	1%	0
035.41	Sodium, ICP, Dry ash (%)	0011	0.33880	0.00220	0.34568	0.01893	0.01057	29	-0.36	1%	0
035.41	Sodium, ICP, Dry ash (%)	0298	0.34000	0.02000	0.34568	0.01893	0.01057	29	-0.30	1%	0
035.41	Sodium, ICP, Dry ash (%)	0051	0.34015	0.00910	0.34568	0.01893	0.01057	29	-0.29	1%	0
035.41	Sodium, ICP, Dry ash (%)	0208	0.34100	0.00200	0.34568	0.01893	0.01057	29	-0.25	1%	0
035.41	Sodium, ICP, Dry ash (%)	0019	0.34500	0.01000	0.34568	0.01893	0.01057	29	-0.04	0%	0
035.41	Sodium, ICP, Dry ash (%)	0098	0.34500	0.01000	0.34568	0.01893	0.01057	29	-0.04	0%	0
035.41	Sodium, ICP, Dry ash (%)	0171	0.34500	0.01000	0.34568	0.01893	0.01057	29	-0.04	0%	0
035.41	Sodium, ICP, Dry ash (%)	0413	0.34500	0.01000	0.34568	0.01893	0.01057	29	-0.04	0%	0
035.41	Sodium, ICP, Dry ash (%)	0229	0.34800	0.01000	0.34568	0.01893	0.01057	29	0.12	0%	0
035.41	Sodium, ICP, Dry ash (%)	0955	0.34950	0.01900	0.34568	0.01893	0.01057	29	0.20	1%	0
035.41	Sodium, ICP, Dry ash (%)	0407	0.35135	0.00390	0.34568	0.01893	0.01057	29	0.30	1%	0
035.41	Sodium, ICP, Dry ash (%)	0226	0.35150	0.00900	0.34568	0.01893	0.01057	29	0.31	1%	0
035.41	Sodium, ICP, Dry ash (%)	0003	0.35500	0.01000	0.34568	0.01893	0.01057	29	0.49	1%	0
035.41	Sodium, ICP, Dry ash (%)	0049	0.35500	0.01000	0.34568	0.01893	0.01057	29	0.49	1%	0
035.41	Sodium, ICP, Dry ash (%)	2004	0.36100	0.00400	0.34568	0.01893	0.01057	29	0.81	2%	0
035.41	Sodium, ICP, Dry ash (%)	0358	0.37000	0.00000	0.34568	0.01893	0.01057	29	1.28	4%	0
035.41	Sodium, ICP, Dry ash (%)	0619	0.37300	0.01000	0.34568	0.01893	0.01057	29	1.44	4%	0
035.41	Sodium, ICP, Dry ash (%)	0598	0.37350	0.00840	0.34568	0.01893	0.01057	29	1.47	4%	0
035.41	Sodium, ICP, Dry ash (%)	2089	0.37500	0.01000	0.34568	0.01893	0.01057	29	1.55	4%	0
035.41	Sodium, ICP, Dry ash (%)	0139	0.38250	0.00500	0.34568	0.01893	0.01057	29	1.94	5%	0
035.42	Sodium, ICP, Open vessel (%)	0045	0.31100	0.03000	0.34919	0.02081	0.00669	15	-1.84	5%	0
035.42	Sodium, ICP, Open vessel (%)	0693	0.32700	0.00400	0.34919	0.02081	0.00669	15	-1.07	3%	0
035.42	Sodium, ICP, Open vessel (%)	0205	0.33200	0.00000	0.34919	0.02081	0.00669	15	-0.83	2%	0
035.42	Sodium, ICP, Open vessel (%)	0035	0.33500	0.01000	0.34919	0.02081	0.00669	15	-0.68	2%	0
035.42	Sodium, ICP, Open vessel (%)	0278	0.34000	0.00000	0.34919	0.02081	0.00669	15	-0.44	1%	0
035.42	Sodium, ICP, Open vessel (%)	0560	0.34375	0.00410	0.34919	0.02081	0.00669	15	-0.26	1%	0
035.42	Sodium, ICP, Open vessel (%)	0265	0.34500	0.01000	0.34919	0.02081	0.00669	15	-0.20	1%	0
035.42	Sodium, ICP, Open vessel (%)	0294	0.34500	0.01000	0.34919	0.02081	0.00669	15	-0.20	1%	0
035.42	Sodium, ICP, Open vessel (%)	0366	0.35000	0.00000	0.34919	0.02081	0.00669	15	0.04	0%	0
035.42	Sodium, ICP, Open vessel (%)	0186	0.35200	0.00000	0.34919	0.02081	0.00669	15	0.13	0%	0
035.42	Sodium, ICP, Open vessel (%)	0870	0.35455	0.00670	0.34919	0.02081	0.00669	15	0.26	1%	0
035.42	Sodium, ICP, Open vessel (%)	0692	0.36500	0.01000	0.34919	0.02081	0.00669	15	0.76	2%	0
035.42	Sodium, ICP, Open vessel (%)	0190	0.37500	0.01000	0.34919	0.02081	0.00669	15	1.24	4%	0
035.42	Sodium, ICP, Open vessel (%)	0726	0.37520	0.00060	0.34919	0.02081	0.00669	15	1.25	4%	0
035.42	Sodium, ICP, Open vessel (%)	0263	0.38180	0.00500	0.34919	0.02081	0.00669	15	1.57	5%	0
035.42	Sodium, ICP, Open vessel (%)	0042	0.35500	0.08200	0.34919	0.02081	0.00669	15	0.28	1%	1
035.43	Sodium, ICP, Microwave (%)	0034	0.28565	0.00030	0.34740	0.02271	0.00843	23	-2.72	9%	0
035.43	Sodium, ICP, Microwave (%)	0043	0.30450	0.00500	0.34740	0.02271	0.00843	23	-1.89	6%	0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
035.43	Sodium, ICP, Microwave (%)	0510	0.31900	0.00400	0.34740	0.02271	0.00843	23	-1.25	4%	0
035.43	Sodium, ICP, Microwave (%)	0345	0.32250	0.00300	0.34740	0.02271	0.00843	23	-1.10	4%	0
035.43	Sodium, ICP, Microwave (%)	0035	0.32500	0.01000	0.34740	0.02271	0.00843	23	-0.99	3%	0
035.43	Sodium, ICP, Microwave (%)	0918	0.32950	0.02100	0.34740	0.02271	0.00843	23	-0.79	3%	0
035.43	Sodium, ICP, Microwave (%)	0861	0.33050	0.00900	0.34740	0.02271	0.00843	23	-0.74	2%	0
035.43	Sodium, ICP, Microwave (%)	0098	0.34000	0.02000	0.34740	0.02271	0.00843	23	-0.33	1%	0
035.43	Sodium, ICP, Microwave (%)	0682	0.34000	0.00000	0.34740	0.02271	0.00843	23	-0.33	1%	0
035.43	Sodium, ICP, Microwave (%)	0512	0.34505	0.00070	0.34740	0.02271	0.00843	23	-0.10	0%	0
035.43	Sodium, ICP, Microwave (%)	0006	0.35400	0.00400	0.34740	0.02271	0.00843	23	0.29	1%	0
035.43	Sodium, ICP, Microwave (%)	0027	0.35450	0.00500	0.34740	0.02271	0.00843	23	0.31	1%	0
035.43	Sodium, ICP, Microwave (%)	0083	0.35500	0.01000	0.34740	0.02271	0.00843	23	0.33	1%	0
035.43	Sodium, ICP, Microwave (%)	0297	0.35500	0.01000	0.34740	0.02271	0.00843	23	0.33	1%	0
035.43	Sodium, ICP, Microwave (%)	0675	0.35500	0.03000	0.34740	0.02271	0.00843	23	0.33	1%	0
035.43	Sodium, ICP, Microwave (%)	0202	0.35980	0.00960	0.34740	0.02271	0.00843	23	0.55	2%	0
035.43	Sodium, ICP, Microwave (%)	0353	0.36000	0.00000	0.34740	0.02271	0.00843	23	0.55	2%	0
035.43	Sodium, ICP, Microwave (%)	0017	0.36050	0.00300	0.34740	0.02271	0.00843	23	0.58	2%	0
035.43	Sodium, ICP, Microwave (%)	0425	0.36500	0.01000	0.34740	0.02271	0.00843	23	0.78	3%	0
035.43	Sodium, ICP, Microwave (%)	0964	0.36770	0.03620	0.34740	0.02271	0.00843	23	0.89	3%	0
035.43	Sodium, ICP, Microwave (%)	2033	0.37000	0.00000	0.34740	0.02271	0.00843	23	1.00	3%	0
035.43	Sodium, ICP, Microwave (%)	0508	0.37400	0.00320	0.34740	0.02271	0.00843	23	1.17	4%	0
035.43	Sodium, ICP, Microwave (%)	0089	0.40000	0.00000	0.34740	0.02271	0.00843	23	2.32	8%	0
035.52	Sodium, ICP-MS, Open vessel (%)	0154	0.34145	0.00770				2			0
035.52	Sodium, ICP-MS, Open vessel (%)	0186	0.36900	0.00800				2			0
035.53	Sodium, ICP-MS, Microwave (%)	0572	0.35600	0.00800				3			0
035.53	Sodium, ICP-MS, Microwave (%)	0413	0.36000	0.02000				3			0
035.53	Sodium, ICP-MS, Microwave (%)	0553	0.36700	0.04600				3			0
035.99	Sodium, Miscellaneous (%)	0889	0.20255	0.02830	0.32189	0.08084	0.01458	4			0
035.99	Sodium, Miscellaneous (%)	0242	0.34500	0.03000	0.32189	0.08084	0.01458	4			0
035.99	Sodium, Miscellaneous (%)	0100	0.36000	0.00000	0.32189	0.08084	0.01458	4			0
035.99	Sodium, Miscellaneous (%)	0590	0.38000	0.00000	0.32189	0.08084	0.01458	4			0
036.04	Sulfur, LECO (%)	0229	0.74150	0.01100				3			0
036.04	Sulfur, LECO (%)	2053	0.77500	0.01000				3			0
036.04	Sulfur, LECO (%)	0226	0.97000	0.10000				3			0
036.42	Sulfur, ICP, Open vessel (%)	0035	0.70500	0.01000	0.75989	0.05193	0.01019	17	-1.06	4%	0
036.42	Sulfur, ICP, Open vessel (%)	0708	0.71200	0.01800	0.75989	0.05193	0.01019	17	-0.92	3%	0
036.42	Sulfur, ICP, Open vessel (%)	0045	0.71250	0.02100	0.75989	0.05193	0.01019	17	-0.91	3%	0
036.42	Sulfur, ICP, Open vessel (%)	0693	0.71350	0.00100	0.75989	0.05193	0.01019	17	-0.89	3%	0
036.42	Sulfur, ICP, Open vessel (%)	0366	0.71500	0.01000	0.75989	0.05193	0.01019	17	-0.86	3%	0
036.42	Sulfur, ICP, Open vessel (%)	0870	0.73855	0.00170	0.75989	0.05193	0.01019	17	-0.41	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0692	0.74000	0.02000	0.75989	0.05193	0.01019	17	-0.38	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0407	0.74150	0.00320	0.75989	0.05193	0.01019	17	-0.35	1%	0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
036.42	Sulfur, ICP, Open vessel (%)	0171	0.75450	0.00300	0.75989	0.05193	0.01019	17	-0.10	0%	0
036.42	Sulfur, ICP, Open vessel (%)	0265	0.75500	0.01000	0.75989	0.05193	0.01019	17	-0.09	0%	0
036.42	Sulfur, ICP, Open vessel (%)	0560	0.75865	0.00550	0.75989	0.05193	0.01019	17	-0.02	0%	0
036.42	Sulfur, ICP, Open vessel (%)	0278	0.77500	0.01000	0.75989	0.05193	0.01019	17	0.29	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0357	0.77640	0.01320	0.75989	0.05193	0.01019	17	0.32	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0294	0.81500	0.01000	0.75989	0.05193	0.01019	17	1.06	4%	0
036.42	Sulfur, ICP, Open vessel (%)	0190	0.83000	0.02000	0.75989	0.05193	0.01019	17	1.35	5%	0
036.42	Sulfur, ICP, Open vessel (%)	0726	0.84625	0.00670	0.75989	0.05193	0.01019	17	1.66	6%	0
036.42	Sulfur, ICP, Open vessel (%)	0037	0.87500	0.01000	0.75989	0.05193	0.01019	17	2.22	8%	0
036.42	Sulfur, ICP, Open vessel (%)	0186	0.71000	0.05600	0.75989	0.05193	0.01019	17	-0.96	3%	1
036.43	Sulfur, ICP, Microwave (%)	0345	0.69450	0.00300	0.76071	0.04786	0.00812	11	-1.38	4%	0
036.43	Sulfur, ICP, Microwave (%)	0035	0.70000	0.02000	0.76071	0.04786	0.00812	11	-1.27	4%	0
036.43	Sulfur, ICP, Microwave (%)	0918	0.73760	0.02240	0.76071	0.04786	0.00812	11	-0.48	2%	0
036.43	Sulfur, ICP, Microwave (%)	2089	0.75000	0.00000	0.76071	0.04786	0.00812	11	-0.22	1%	0
036.43	Sulfur, ICP, Microwave (%)	0297	0.76000	0.00000	0.76071	0.04786	0.00812	11	-0.01	0%	0
036.43	Sulfur, ICP, Microwave (%)	0202	0.76185	0.00350	0.76071	0.04786	0.00812	11	0.02	0%	0
036.43	Sulfur, ICP, Microwave (%)	0353	0.76500	0.01000	0.76071	0.04786	0.00812	11	0.09	0%	0
036.43	Sulfur, ICP, Microwave (%)	0964	0.76640	0.00040	0.76071	0.04786	0.00812	11	0.12	0%	0
036.43	Sulfur, ICP, Microwave (%)	0169	0.78000	0.02000	0.76071	0.04786	0.00812	11	0.40	1%	0
036.43	Sulfur, ICP, Microwave (%)	2033	0.82000	0.00000	0.76071	0.04786	0.00812	11	1.24	4%	0
036.43	Sulfur, ICP, Microwave (%)	0510	0.83500	0.01000	0.76071	0.04786	0.00812	11	1.55	5%	0
036.43	Sulfur, ICP, Microwave (%)	0098	0.77480	0.06300	0.76071	0.04786	0.00812	11	0.29	1%	1
036.52	Sulfur, ICP-MS, Open vessel (%)	0910	0.72280	0.06740				2			0
036.52	Sulfur, ICP-MS, Open vessel (%)	0186	0.75200	0.02800				2			0
036.53	Sulfur, ICP-MS, Microwave (%)	0553	0.76300	0.04000				1			0
036.99	Sulfur, Miscellaneous (%)	0242	0.77000	0.00000				2			0
036.99	Sulfur, Miscellaneous (%)	0889	0.79525	0.02070				2			0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0939	331.66	1.1400	362.66	18.385	5.5761	14	-1.69	4%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0175	338.50	13.000	362.66	18.385	5.5761	14	-1.31	3%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0689	350.75	0.70000	362.66	18.385	5.5761	14	-0.65	2%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	2022	351.00	4.0000	362.66	18.385	5.5761	14	-0.63	2%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0629	354.50	1.0000	362.66	18.385	5.5761	14	-0.44	1%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0563	358.53	2.6355	362.66	18.385	5.5761	14	-0.22	1%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0354	360.35	0.34000	362.66	18.385	5.5761	14	-0.13	0%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0536	363.05	11.500	362.66	18.385	5.5761	14	0.02	0%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	2062	368.05	3.1000	362.66	18.385	5.5761	14	0.29	1%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	2149	370.76	1.7400	362.66	18.385	5.5761	14	0.44	1%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0878	372.29	0.11000	362.66	18.385	5.5761	14	0.52	1%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0208	381.00	20.000	362.66	18.385	5.5761	14	1.00	3%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0529	383.20	3.8000	362.66	18.385	5.5761	14	1.12	3%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0874	392.50	15.000	362.66	18.385	5.5761	14	1.62	4%	0



Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
037.33	Zinc, AAS, Microwave (mg / kg (ppm))	0948	403.86	0.43900				1			0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0848	317.31	2.1300	360.73	24.881	8.1280	23	-1.75	6%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0148	318.10	15.800	360.73	24.881	8.1280	23	-1.71	6%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0011	328.98	31.240	360.73	24.881	8.1280	23	-1.28	4%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0164	333.50	7.0000	360.73	24.881	8.1280	23	-1.09	4%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0520	336.00	4.0000	360.73	24.881	8.1280	23	-0.99	3%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0051	347.17	4.9900	360.73	24.881	8.1280	23	-0.55	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0511	347.50	17.000	360.73	24.881	8.1280	23	-0.53	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0208	349.65	23.500	360.73	24.881	8.1280	23	-0.45	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0405	350.12	0.19000	360.73	24.881	8.1280	23	-0.43	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0049	356.11	6.2600	360.73	24.881	8.1280	23	-0.19	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0619	359.00	8.0000	360.73	24.881	8.1280	23	-0.07	0%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0720	361.05	3.8200	360.73	24.881	8.1280	23	0.01	0%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0019	367.40	0.00000	360.73	24.881	8.1280	23	0.27	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0171	368.05	2.1000	360.73	24.881	8.1280	23	0.29	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0003	372.00	2.0000	360.73	24.881	8.1280	23	0.45	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	2012	374.80	6.0200	360.73	24.881	8.1280	23	0.57	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0098	379.25	5.1000	360.73	24.881	8.1280	23	0.74	3%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0407	384.12	0.54410	360.73	24.881	8.1280	23	0.94	3%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0598	384.45	1.1000	360.73	24.881	8.1280	23	0.95	3%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0358	384.75	0.85000	360.73	24.881	8.1280	23	0.97	3%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0910	386.50	27.000	360.73	24.881	8.1280	23	1.04	4%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0229	386.55	0.30000	360.73	24.881	8.1280	23	1.04	4%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0226	393.00	18.000	360.73	24.881	8.1280	23	1.30	4%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0870	315.00	4.0000	369.16	36.770	8.4388	18	-1.47	7%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0263	322.00	0.60000	369.16	36.770	8.4388	18	-1.28	6%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0186	329.00	4.0000	369.16	36.770	8.4388	18	-1.09	5%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0045	336.50	7.0000	369.16	36.770	8.4388	18	-0.89	4%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0278	348.25	3.9000	369.16	36.770	8.4388	18	-0.57	3%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0693	350.26	7.3750	369.16	36.770	8.4388	18	-0.51	3%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0366	357.00	10.000	369.16	36.770	8.4388	18	-0.33	2%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0692	367.00	6.0000	369.16	36.770	8.4388	18	-0.06	0%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0560	370.85	31.700	369.16	36.770	8.4388	18	0.05	0%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0294	372.10	9.8000	369.16	36.770	8.4388	18	0.08	0%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0037	374.60	1.4000	369.16	36.770	8.4388	18	0.15	1%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0265	378.00	18.000	369.16	36.770	8.4388	18	0.24	1%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0413	378.50	15.000	369.16	36.770	8.4388	18	0.25	1%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0357	387.67	2.5830	369.16	36.770	8.4388	18	0.50	3%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	2053	404.00	10.000	369.16	36.770	8.4388	18	0.95	5%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0190	407.92	3.2400	369.16	36.770	8.4388	18	1.05	5%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0035	423.00	16.000	369.16	36.770	8.4388	18	1.46	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	
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0726	423.25	1.3000	369.16	36.770	8.4388	18	1.47	7%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0042	465.50	237.00	369.16	36.770	8.4388	18	2.62	13%	1
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0353	334.00	24.000	364.90	21.149	9.5467	22	-1.46	4%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0345	336.50	7.0000	364.90	21.149	9.5467	22	-1.34	4%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0034	341.95	12.900	364.90	21.149	9.5467	22	-1.09	3%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0918	343.79	1.2480	364.90	21.149	9.5467	22	-1.00	3%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0043	347.00	2.0000	364.90	21.149	9.5467	22	-0.85	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0017	348.65	11.975	364.90	21.149	9.5467	22	-0.77	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0675	350.42	17.290	364.90	21.149	9.5467	22	-0.69	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0682	361.62	0.00000	364.90	21.149	9.5467	22	-0.16	0%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2089	362.62	12.820	364.90	21.149	9.5467	22	-0.11	0%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0510	363.50	7.0000	364.90	21.149	9.5467	22	-0.07	0%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0202	364.20	2.0000	364.90	21.149	9.5467	22	-0.03	0%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0968	367.50	5.0000	364.90	21.149	9.5467	22	0.12	0%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0964	367.94	26.830	364.90	21.149	9.5467	22	0.14	0%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0508	369.70	3.0200	364.90	21.149	9.5467	22	0.23	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0861	371.00	2.0000	364.90	21.149	9.5467	22	0.29	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0098	371.55	29.900	364.90	21.149	9.5467	22	0.31	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0425	373.60	0.20000	364.90	21.149	9.5467	22	0.41	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0083	375.50	9.0000	364.90	21.149	9.5467	22	0.50	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0027	392.04	2.0440	364.90	21.149	9.5467	22	1.28	4%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0297	393.50	11.000	364.90	21.149	9.5467	22	1.35	4%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0512	394.70	4.8000	364.90	21.149	9.5467	22	1.41	4%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0169	492.00	18.000	364.90	21.149	9.5467	22	6.01	17%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2033	204.80	340.40	364.90	21.149	9.5467	22	-7.57	22%	1
037.44	Zinc, ICP, Dry ash (mg / kg (ppm))	0955	346.00	2.0000				2			0
037.44	Zinc, ICP, Dry ash (mg / kg (ppm))	2004	368.00	6.0000				2			0
037.52	Zinc, ICP-MS, Open vessel (mg / kg (ppm))	0047	289.25	9.5900				2			0
037.52	Zinc, ICP-MS, Open vessel (mg / kg (ppm))	0186	376.00	10.000				2			0
037.53	Zinc, ICP-MS, Microwave (mg / kg (ppm))	0413	357.00	2.0000				3			0
037.53	Zinc, ICP-MS, Microwave (mg / kg (ppm))	0553	407.50	27.000				3			0
037.53	Zinc, ICP-MS, Microwave (mg / kg (ppm))	0572	415.50	9.0000				3			0
037.99	Zinc, Miscellaneous (mg / kg (ppm))	2129	326.00	24.800	362.11	37.631	6.8548	6	-0.96	5%	0
037.99	Zinc, Miscellaneous (mg / kg (ppm))	2144	341.88	0.56000	362.11	37.631	6.8548	6	-0.54	3%	0
037.99	Zinc, Miscellaneous (mg / kg (ppm))	0889	346.73	3.7688	362.11	37.631	6.8548	6	-0.41	2%	0
037.99	Zinc, Miscellaneous (mg / kg (ppm))	0242	358.50	9.0000	362.11	37.631	6.8548	6	-0.10	0%	0
037.99	Zinc, Miscellaneous (mg / kg (ppm))	0590	381.00	0.00000	362.11	37.631	6.8548	6	0.50	3%	0
037.99	Zinc, Miscellaneous (mg / kg (ppm))	0100	424.50	3.0000	362.11	37.631	6.8548	6	1.66	9%	0
038.41	Molybdenum, ICP, Dry ash (mg / kg (ppm))	0171	0.55250	0.00500				2			0
038.41	Molybdenum, ICP, Dry ash (mg / kg (ppm))	0226	0.66500	0.03000				2			0
038.42	Molybdenum, ICP, Open vessel (mg / kg (ppm))	0693	0.55900	0.00000				3			0

Test Material Code # 201732

Method Proficiency Testing Report

Issue Date : 01/31/2018

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
038.42	Molybdenum, ICP, Open vessel (mg / kg (ppm))	0278	0.73500	0.05000				3			0
038.42	Molybdenum, ICP, Open vessel (mg / kg (ppm))	0045	0.86650	0.03300				3			0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0353	0.37180	0.23480	0.70588	0.28784	0.15886	8	-1.16	24%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0508	0.51210	0.22020	0.70588	0.28784	0.15886	8	-0.67	14%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0345	0.56500	0.03000	0.70588	0.28784	0.15886	8	-0.49	10%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0169	0.63500	0.01000	0.70588	0.28784	0.15886	8	-0.25	5%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0964	0.64815	0.04590	0.70588	0.28784	0.15886	8	-0.20	4%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	2033	0.78000	0.02000	0.70588	0.28784	0.15886	8	0.26	5%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0510	1.0100	0.16000	0.70588	0.28784	0.15886	8	1.06	22%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0297	1.1250	0.55000	0.70588	0.28784	0.15886	8	1.46	30%	0
038.52	Molybdenum, ICP-MS, Open vessel (mg / kg (ppm))	0910	0.76500	0.03000				2			0
038.52	Molybdenum, ICP-MS, Open vessel (mg / kg (ppm))	0186	1.0000	0.00000				2			0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	0098	0.64350	0.12100	0.72800	0.06512	0.04740	4			0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	0553	0.71050	0.00500	0.72800	0.06512	0.04740	4			0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	0918	0.77300	0.03360	0.72800	0.06512	0.04740	4			0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	0413	0.78500	0.03000	0.72800	0.06512	0.04740	4			0
040.42	Barium, ICP, Open vessel (mg / kg (ppm))	0560	5.7050	0.09000				1			0
040.43	Barium, ICP, Microwave (mg / kg (ppm))	0508	6.5036	0.16280				1			0
040.53	Barium, ICP-MS, Microwave (mg / kg (ppm))	0918	4.8304	0.06580				1			0
041.43	Vanadium, ICP, Microwave (mg / kg (ppm))	0508	2.5942	0.26410				1			0
041.53	Vanadium, ICP-MS, Microwave (mg / kg (ppm))	0553	2.7500	0.06000				1			0
042.00	Chloride, Titrimetric (%)	0638	0.71000	0.00000	0.74075	0.03161	0.01000	4			0
042.00	Chloride, Titrimetric (%)	0169	0.72500	0.01000	0.74075	0.03161	0.01000	4			0
042.00	Chloride, Titrimetric (%)	0297	0.74500	0.03000	0.74075	0.03161	0.01000	4			0
042.00	Chloride, Titrimetric (%)	0948	0.78300	0.00000	0.74075	0.03161	0.01000	4			0
101.00	Choline Chloride, Microbiological (mg / kg (ppm))	0675	4,096.3	106.33				2			0
101.00	Choline Chloride, Microbiological (mg / kg (ppm))	0227	6,130.0	60.000				2			0
101.01	Choline Chloride, Chem (mg / kg (ppm))	0939	5,763.0	468.00				1			0
101.02	Choline Chloride, LC (mg / kg (ppm))	0051	6,211.0	1,052.0				1			0
102.01	Niacin, Microbiological (mg / kg (ppm))	0227	250.50	13.000				1			0
103.01	Pantothenic Acid, Microbiological (mg / kg (ppm))	0227	123.50	7.0000				1			0
103.02	Pantothenic Acid, LC (mg / kg (ppm))	0629	1.3800	0.00000				1			0
104.00	Riboflavin, Fluorometric (mg / kg (ppm))	0171	81.500	3.0000				2			0
104.00	Riboflavin, Fluorometric (mg / kg (ppm))	0227	90.150	0.30000				2			0
104.03	Riboflavin, LC (mg / kg (ppm))	0910	63.825	6.2500				1			0
105.00	Thiamine, LC (mg / kg (ppm))	0629	22.200	0.20000				2			0
105.00	Thiamine, LC (mg / kg (ppm))	0910	38.270	4.0200				2			0
105.01	Thiamine, Fluorometer (mg / kg (ppm))	0227	24.800	2.2000				1			0
106.00	Vitamin A, Color (KU / kg)	0171	4.1850	0.09000				1			0
106.01	Vitamin A, UV (KU / kg)	0098	5.6100	0.18000				1			0
106.02	Vitamin A, LC (KU / kg)	0227	3.5800	0.02000	5.5972	1.3577	0.78423	19	-1.49	18%	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)	0905	3.7990	1.2940	5.5972	1.3577	0.78423	19	-1.32	16%	0
106.02	Vitamin A, LC (KU / kg)	0861	4.1650	0.61000	5.5972	1.3577	0.78423	19	-1.05	13%	0
106.02	Vitamin A, LC (KU / kg)	2053	4.2000	1.4000	5.5972	1.3577	0.78423	19	-1.03	12%	0
106.02	Vitamin A, LC (KU / kg)	2103	4.5795	0.49500	5.5972	1.3577	0.78423	19	-0.75	9%	0
106.02	Vitamin A, LC (KU / kg)	0910	4.9000	0.40000	5.5972	1.3577	0.78423	19	-0.51	6%	0
106.02	Vitamin A, LC (KU / kg)	0512	4.9990	0.13200	5.5972	1.3577	0.78423	19	-0.44	5%	0
106.02	Vitamin A, LC (KU / kg)	0051	5.3915	0.41700	5.5972	1.3577	0.78423	19	-0.15	2%	0
106.02	Vitamin A, LC (KU / kg)	0638	5.5350	0.75000	5.5972	1.3577	0.78423	19	-0.05	1%	0
106.02	Vitamin A, LC (KU / kg)	0918	5.8000	0.46000	5.5972	1.3577	0.78423	19	0.15	2%	0
106.02	Vitamin A, LC (KU / kg)	0676	5.9050	0.17000	5.5972	1.3577	0.78423	19	0.23	3%	0
106.02	Vitamin A, LC (KU / kg)	0017	5.9419	3.0778	5.5972	1.3577	0.78423	19	0.25	3%	0
106.02	Vitamin A, LC (KU / kg)	0610	6.1000	0.80000	5.5972	1.3577	0.78423	19	0.37	4%	0
106.02	Vitamin A, LC (KU / kg)	2066	6.3650	0.21000	5.5972	1.3577	0.78423	19	0.57	7%	0
106.02	Vitamin A, LC (KU / kg)	0148	6.3900	1.1800	5.5972	1.3577	0.78423	19	0.58	7%	0
106.02	Vitamin A, LC (KU / kg)	0169	6.5500	0.30000	5.5972	1.3577	0.78423	19	0.70	9%	0
106.02	Vitamin A, LC (KU / kg)	0208	6.8785	0.39700	5.5972	1.3577	0.78423	19	0.94	11%	0
106.02	Vitamin A, LC (KU / kg)	0027	7.9214	0.12750	5.5972	1.3577	0.78423	19	1.71	21%	0
106.02	Vitamin A, LC (KU / kg)	0038	8.4300	2.6600	5.5972	1.3577	0.78423	19	2.09	25%	0
106.02	Vitamin A, LC (KU / kg)	0675	38.740	9.6400	5.5972	1.3577	0.78423	19	24.41	296%	2
107.00	Vitamin B12, Microbiological (µg / kg (ppb))	0227	419.00	14.000				1			0
108.01	Vitamin D3, LC, AOAC (KU / kg)	0169	21.500	1.0000				1			0
108.02	Vitamin D3, LC (KU / kg)	0861	1.7600	0.00000	2.0263	0.38513	0.02750	4			0
108.02	Vitamin D3, LC (KU / kg)	0208	1.8000	0.02000	2.0263	0.38513	0.02750	4			0
108.02	Vitamin D3, LC (KU / kg)	0918	1.9550	0.07000	2.0263	0.38513	0.02750	4			0
108.02	Vitamin D3, LC (KU / kg)	0227	2.5900	0.02000	2.0263	0.38513	0.02750	4			0
108.02	Vitamin D3, LC (KU / kg)	0675	7.5200	0.70000	2.0263	0.38513	0.02750	4			2
108.02	Vitamin D3, LC (KU / kg)	0676	0.00000	0.00000	2.0263	0.38513	0.02750	4			4
108.99	Vitamin D3, Miscellaneous (KU / kg)	2004	2.2750	0.05000				1			0
109.02	Vitamin E, LC (IU/kg)	0619	0.23000	0.00000	895.99	230.35	35.342	18	-3.89	50%	0
109.02	Vitamin E, LC (IU/kg)	0590	585.50	33.000	895.99	230.35	35.342	18	-1.35	17%	0
109.02	Vitamin E, LC (IU/kg)	0955	623.00	26.000	895.99	230.35	35.342	18	-1.19	15%	0
109.02	Vitamin E, LC (IU/kg)	0169	623.50	19.000	895.99	230.35	35.342	18	-1.18	15%	0
109.02	Vitamin E, LC (IU/kg)	2053	701.50	11.000	895.99	230.35	35.342	18	-0.84	11%	0
109.02	Vitamin E, LC (IU/kg)	0675	753.32	86.110	895.99	230.35	35.342	18	-0.62	8%	0
109.02	Vitamin E, LC (IU/kg)	0905	926.00	52.000	895.99	230.35	35.342	18	0.13	2%	0
109.02	Vitamin E, LC (IU/kg)	0610	945.00	50.000	895.99	230.35	35.342	18	0.21	3%	0
109.02	Vitamin E, LC (IU/kg)	0910	950.75	8.7000	895.99	230.35	35.342	18	0.24	3%	0
109.02	Vitamin E, LC (IU/kg)	0227	955.50	65.000	895.99	230.35	35.342	18	0.26	3%	0
109.02	Vitamin E, LC (IU/kg)	0861	980.00	20.000	895.99	230.35	35.342	18	0.36	5%	0
109.02	Vitamin E, LC (IU/kg)	0918	1,010.5	51.000	895.99	230.35	35.342	18	0.50	6%	0
109.02	Vitamin E, LC (IU/kg)	0098	1,015.0	30.000	895.99	230.35	35.342	18	0.52	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	
109.02	Vitamin E, LC (IU/kg)	0027	1,025.5	6.2000	895.99	230.35	35.342	18	0.56	7%	0
109.02	Vitamin E, LC (IU/kg)	2103	1,032.5	73.000	895.99	230.35	35.342	18	0.59	8%	0
109.02	Vitamin E, LC (IU/kg)	0676	1,104.0	34.000	895.99	230.35	35.342	18	0.90	12%	0
109.02	Vitamin E, LC (IU/kg)	0148	1,137.9	31.140	895.99	230.35	35.342	18	1.05	13%	0
109.02	Vitamin E, LC (IU/kg)	0638	1,208.0	40.000	895.99	230.35	35.342	18	1.35	17%	0
109.02	Vitamin E, LC (IU/kg)	0208	705.63	301.57	895.99	230.35	35.342	18	-0.83	11%	1
109.99	Vitamin E, Miscellaneous (IU/kg)	0171	1,001.3	5.5000				1			0
111.01	Vitamin C, Ascorbic Acid, LC (mkg/kg (ppm))	0861	27.350	0.50000				3			0
111.01	Vitamin C, Ascorbic Acid, LC (mkg/kg (ppm))	0227	38.250	5.1000				3			0
111.01	Vitamin C, Ascorbic Acid, LC (mkg/kg (ppm))	0148	43.100	0.80000				3			0
112.01	Pyridoxine, LC (µg / g)	0227	36.400	1.8000				1			0
113.01	Folic Acid, Micro (mg / kg (ppm))	0227	13.350	3.1000				1			0
114.01	Biotin, Microbiological (mg / kg (ppm))	0227	1.0850	0.03000				1			0
120.00	Alanine, Post-col Ninhydrin Der (%)	0910	3.0000	0.06000	3.1691	0.11890	0.03455	18	-1.42	3%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0644	3.0525	0.00300	3.1691	0.11890	0.03455	18	-0.98	2%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0878	3.0780	0.00600	3.1691	0.11890	0.03455	18	-0.77	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0859	3.0936	0.00120	3.1691	0.11890	0.03455	18	-0.63	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0504	3.1050	0.07000	3.1691	0.11890	0.03455	18	-0.54	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0652	3.1100	0.08000	3.1691	0.11890	0.03455	18	-0.50	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0968	3.1105	0.03500	3.1691	0.11890	0.03455	18	-0.49	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0354	3.1165	0.02900	3.1691	0.11890	0.03455	18	-0.44	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0872	3.1270	0.08600	3.1691	0.11890	0.03455	18	-0.35	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0870	3.1389	0.01910	3.1691	0.11890	0.03455	18	-0.25	0%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0571	3.1425	0.01300	3.1691	0.11890	0.03455	18	-0.22	0%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	2059	3.1820	0.00400	3.1691	0.11890	0.03455	18	0.11	0%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0675	3.2150	0.01000	3.1691	0.11890	0.03455	18	0.39	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0684	3.2570	0.04800	3.1691	0.11890	0.03455	18	0.74	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0619	3.3000	0.04000	3.1691	0.11890	0.03455	18	1.10	2%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0227	3.3200	0.00000	3.1691	0.11890	0.03455	18	1.27	2%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0171	3.4070	0.09200	3.1691	0.11890	0.03455	18	2.00	4%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0918	3.5212	0.02560	3.1691	0.11890	0.03455	18	2.96	6%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0226	2.7655	0.17700	3.1691	0.11890	0.03455	18	-3.39	6%	1
120.01	Alanine, Pre-col OPA Der (%)	0297	2.7980	0.05400				1			0
120.02	Alanine, Post-col OPA Der (%)	0098	3.0470	0.14200				1			0
120.05	Alanine, Pre-col AQC Der (%)	0626	2.8380	0.10200	2.9661	0.12658	0.06975	4			0
120.05	Alanine, Pre-col AQC Der (%)	0148	2.9050	0.11000	2.9661	0.12658	0.06975	4			0
120.05	Alanine, Pre-col AQC Der (%)	0610	2.9900	0.04000	2.9661	0.12658	0.06975	4			0
120.05	Alanine, Pre-col AQC Der (%)	0676	3.1315	0.02700	2.9661	0.12658	0.06975	4			0
120.99	Alanine, Miscellaneous (%)	2144	2.9450	0.05000				2			0
120.99	Alanine, Miscellaneous (%)	0889	3.9902	0.00940				2			0
121.00	Arginine, Post-col Ninhydrin Der (%)	0675	2.4800	0.04000	2.8157	0.10882	0.03262	18	-3.08	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	
121.00	Arginine, Post-col Ninhydrin Der (%)	0226	2.5765	0.00300	2.8157	0.10882	0.03262	18	-2.20	4%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0878	2.6965	0.03300	2.8157	0.10882	0.03262	18	-1.10	2%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0870	2.7139	0.00030	2.8157	0.10882	0.03262	18	-0.94	2%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0859	2.7445	0.00680	2.8157	0.10882	0.03262	18	-0.65	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0910	2.7450	0.07000	2.8157	0.10882	0.03262	18	-0.65	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0652	2.8100	0.06000	2.8157	0.10882	0.03262	18	-0.05	0%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0504	2.8250	0.03000	2.8157	0.10882	0.03262	18	0.09	0%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0872	2.8290	0.07600	2.8157	0.10882	0.03262	18	0.12	0%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0354	2.8310	0.04000	2.8157	0.10882	0.03262	18	0.14	0%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0684	2.8350	0.04400	2.8157	0.10882	0.03262	18	0.18	0%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0644	2.8615	0.00100	2.8157	0.10882	0.03262	18	0.42	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	2059	2.8715	0.00300	2.8157	0.10882	0.03262	18	0.51	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0968	2.8910	0.00000	2.8157	0.10882	0.03262	18	0.69	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0171	2.9030	0.06600	2.8157	0.10882	0.03262	18	0.80	2%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0571	2.9070	0.01400	2.8157	0.10882	0.03262	18	0.84	2%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0227	2.9350	0.05000	2.8157	0.10882	0.03262	18	1.10	2%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0619	3.0450	0.05000	2.8157	0.10882	0.03262	18	2.11	4%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0918	2.9711	0.27310	2.8157	0.10882	0.03262	18	1.43	3%	1
121.01	Arginine, Pre-col OPA Der (%)	0297	2.8990	0.01600				1			0
121.02	Arginine, Post-col OPA Der (%)	0098	2.7815	0.00100				1			0
121.05	Arginine, Pre-col AQC Der (%)	0626	2.7140	0.06200	2.8381	0.12751	0.09025	4			0
121.05	Arginine, Pre-col AQC Der (%)	0148	2.7500	0.24000	2.8381	0.12751	0.09025	4			0
121.05	Arginine, Pre-col AQC Der (%)	0610	2.9050	0.05000	2.8381	0.12751	0.09025	4			0
121.05	Arginine, Pre-col AQC Der (%)	0676	2.9835	0.00900	2.8381	0.12751	0.09025	4			0
121.99	Arginine, Miscellaneous (%)	0889	2.8360	0.15080				1			0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0226	3.7525	0.21900	3.9735	0.13943	0.06162	19	-1.59	3%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0910	3.7850	0.07000	3.9735	0.13943	0.06162	19	-1.35	2%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0504	3.8350	0.07000	3.9735	0.13943	0.06162	19	-0.99	2%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0859	3.8408	0.01730	3.9735	0.13943	0.06162	19	-0.95	2%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0354	3.8890	0.01800	3.9735	0.13943	0.06162	19	-0.61	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0675	3.9300	0.02000	3.9735	0.13943	0.06162	19	-0.31	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0644	3.9385	0.02500	3.9735	0.13943	0.06162	19	-0.25	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0870	3.9527	0.01000	3.9735	0.13943	0.06162	19	-0.15	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0872	3.9610	0.11800	3.9735	0.13943	0.06162	19	-0.09	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0684	3.9680	0.07000	3.9735	0.13943	0.06162	19	-0.04	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0571	3.9745	0.03900	3.9735	0.13943	0.06162	19	0.01	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0652	3.9750	0.15000	3.9735	0.13943	0.06162	19	0.01	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0968	3.9860	0.00400	3.9735	0.13943	0.06162	19	0.09	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	2059	4.0385	0.00300	3.9735	0.13943	0.06162	19	0.47	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0878	4.0530	0.06000	3.9735	0.13943	0.06162	19	0.57	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0227	4.0750	0.03000	3.9735	0.13943	0.06162	19	0.73	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	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0619	4.1650	0.07000	3.9735	0.13943	0.06162	19	1.37	2%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0918	4.2198	0.16050	3.9735	0.13943	0.06162	19	1.77	3%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0171	4.2735	0.01700	3.9735	0.13943	0.06162	19	2.15	4%	0
122.01	Aspartic, Pre-col OPA Der (%)	0297	3.8470	0.11200				1			0
122.02	Aspartic, Post-col OPA Der (%)	0098	3.9770	0.01800				1			0
122.05	Aspartic, Pre-col AQC Der (%)	0626	3.7095	0.04500	3.9279	0.17268	0.13575	4			0
122.05	Aspartic, Pre-col AQC Der (%)	0148	3.9350	0.31000	3.9279	0.17268	0.13575	4			0
122.05	Aspartic, Pre-col AQC Der (%)	0610	3.9350	0.07000	3.9279	0.17268	0.13575	4			0
122.05	Aspartic, Pre-col AQC Der (%)	0676	4.1320	0.11800	3.9279	0.17268	0.13575	4			0
122.99	Aspartic, Miscellaneous (%)	2144	3.4600	0.26000				2			0
122.99	Aspartic, Miscellaneous (%)	0889	4.1740	0.03770				2			0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0870	0.58430	0.03280	0.64359	0.03511	0.01618	19	-1.69	5%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0227	0.60000	0.00000	0.64359	0.03511	0.01618	19	-1.24	3%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0644	0.61200	0.01400	0.64359	0.03511	0.01618	19	-0.90	2%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0910	0.61500	0.01000	0.64359	0.03511	0.01618	19	-0.81	2%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0859	0.62210	0.00160	0.64359	0.03511	0.01618	19	-0.61	2%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0226	0.62650	0.06500	0.64359	0.03511	0.01618	19	-0.49	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0619	0.63150	0.01900	0.64359	0.03511	0.01618	19	-0.34	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0918	0.63340	0.00300	0.64359	0.03511	0.01618	19	-0.29	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0652	0.64000	0.02000	0.64359	0.03511	0.01618	19	-0.10	0%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0878	0.64100	0.01000	0.64359	0.03511	0.01618	19	-0.07	0%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0571	0.64200	0.00000	0.64359	0.03511	0.01618	19	-0.05	0%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0684	0.64300	0.00600	0.64359	0.03511	0.01618	19	-0.02	0%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0872	0.65300	0.02600	0.64359	0.03511	0.01618	19	0.27	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	2059	0.65600	0.00600	0.64359	0.03511	0.01618	19	0.35	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0968	0.65850	0.00300	0.64359	0.03511	0.01618	19	0.42	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0171	0.67450	0.03100	0.64359	0.03511	0.01618	19	0.88	2%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0354	0.71200	0.01000	0.64359	0.03511	0.01618	19	1.95	5%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0504	0.74500	0.01000	0.64359	0.03511	0.01618	19	2.89	8%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0675	0.82000	0.04000	0.64359	0.03511	0.01618	19	5.02	14%	0
124.01	Cysteine/Cystine, PAO Pre-col OPA Der (%)	0297	0.67100	0.04400				1			0
124.02	Cysteine/Cystine, PAO Post-col OPA Der (%)	0098	0.64150	0.00700				1			0
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0148	0.61500	0.03000				3			0
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0676	0.63050	0.03300				3			0
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0610	0.69500	0.01000				3			0
124.99	Cysteine/Cystine, Miscellaneous (%)	0889	0.39100	0.06600				2			0
124.99	Cysteine/Cystine, Miscellaneous (%)	2144	0.88000	0.02000				2			0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0171	6.2135	0.07700	6.9077	0.19915	0.10913	19	-3.49	5%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0878	6.6620	0.10000	6.9077	0.19915	0.10913	19	-1.23	2%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0504	6.7200	0.18000	6.9077	0.19915	0.10913	19	-0.94	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0859	6.7379	0.00690	6.9077	0.19915	0.10913	19	-0.85	1%	0

Test Material Code # 201732

Method Proficiency Testing Report

Issue Date : 01/31/2018

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0354	6.7665	0.04100	6.9077	0.19915	0.10913	19	-0.71	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0910	6.7850	0.13000	6.9077	0.19915	0.10913	19	-0.62	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0644	6.8635	0.01500	6.9077	0.19915	0.10913	19	-0.22	0%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0968	6.8775	0.00100	6.9077	0.19915	0.10913	19	-0.15	0%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0872	6.8815	0.20100	6.9077	0.19915	0.10913	19	-0.13	0%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0571	6.9045	0.02300	6.9077	0.19915	0.10913	19	-0.02	0%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0652	6.9050	0.23000	6.9077	0.19915	0.10913	19	-0.01	0%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0684	6.9260	0.12200	6.9077	0.19915	0.10913	19	0.09	0%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	2059	6.9630	0.01400	6.9077	0.19915	0.10913	19	0.28	0%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0226	6.9825	0.38700	6.9077	0.19915	0.10913	19	0.38	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0675	7.0150	0.05000	6.9077	0.19915	0.10913	19	0.54	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0870	7.0287	0.06740	6.9077	0.19915	0.10913	19	0.61	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0227	7.2100	0.00000	6.9077	0.19915	0.10913	19	1.52	2%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0918	7.2940	0.26820	6.9077	0.19915	0.10913	19	1.94	3%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0619	7.5100	0.16000	6.9077	0.19915	0.10913	19	3.02	4%	0
125.01	Glutamic, Pre-col OPA Der (%)	0297	7.2320	0.08400				1			0
125.02	Glutamic, Post-col OPA Der (%)	0098	6.7940	0.03000				1			0
125.05	Glutamic, Pre-col AQC Der (%)	0626	6.5510	0.01000	6.9983	0.34855	0.14650	4			0
125.05	Glutamic, Pre-col AQC Der (%)	0610	6.8950	0.13000	6.9983	0.34855	0.14650	4			0
125.05	Glutamic, Pre-col AQC Der (%)	0148	7.2400	0.40000	6.9983	0.34855	0.14650	4			0
125.05	Glutamic, Pre-col AQC Der (%)	0676	7.3070	0.04600	6.9983	0.34855	0.14650	4			0
125.99	Glutamic, Miscellaneous (%)	2144	6.1900	0.06000				2			0
125.99	Glutamic, Miscellaneous (%)	0889	8.0558	0.01880				2			0
126.00	Glycine, Post-col Ninhydrin Der (%)	0226	3.4945	0.15100	3.7013	0.10119	0.04374	19	-2.04	3%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0910	3.5300	0.02000	3.7013	0.10119	0.04374	19	-1.69	2%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0652	3.5650	0.09000	3.7013	0.10119	0.04374	19	-1.35	2%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0859	3.6295	0.01080	3.7013	0.10119	0.04374	19	-0.71	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0504	3.6400	0.04000	3.7013	0.10119	0.04374	19	-0.61	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0870	3.6507	0.00590	3.7013	0.10119	0.04374	19	-0.50	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0354	3.6545	0.04500	3.7013	0.10119	0.04374	19	-0.46	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0872	3.6930	0.08400	3.7013	0.10119	0.04374	19	-0.08	0%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0968	3.6980	0.01800	3.7013	0.10119	0.04374	19	-0.03	0%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0171	3.7305	0.06500	3.7013	0.10119	0.04374	19	0.29	0%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0571	3.7335	0.00100	3.7013	0.10119	0.04374	19	0.32	0%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0684	3.7380	0.12200	3.7013	0.10119	0.04374	19	0.36	0%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0644	3.7430	0.00400	3.7013	0.10119	0.04374	19	0.41	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0675	3.7450	0.01000	3.7013	0.10119	0.04374	19	0.43	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	2059	3.7510	0.00200	3.7013	0.10119	0.04374	19	0.49	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0878	3.7565	0.08500	3.7013	0.10119	0.04374	19	0.55	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0619	3.8150	0.03000	3.7013	0.10119	0.04374	19	1.12	2%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0227	3.8300	0.02000	3.7013	0.10119	0.04374	19	1.27	2%	0



Test Material Code # 201732

Method Proficiency Testing Report

Issue Date : 01/31/2018

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
126.00	Glycine, Post-col Ninhydrin Der (%)	0918	4.1547	0.02740	3.7013	0.10119	0.04374	19	4.48	6%	0
126.01	Glycine, Pre-col OPA Der (%)	0297	3.6840	0.15000				1			0
126.02	Glycine, Post-col OPA Der (%)	0098	3.6810	0.00000				1			0
126.05	Glycine, Pre-col AQC Der (%)	0148	3.4350	0.15000	3.5963	0.11559	0.08350	4			0
126.05	Glycine, Pre-col AQC Der (%)	0626	3.6175	0.03100	3.5963	0.11559	0.08350	4			0
126.05	Glycine, Pre-col AQC Der (%)	0676	3.6225	0.07300	3.5963	0.11559	0.08350	4			0
126.05	Glycine, Pre-col AQC Der (%)	0610	3.7100	0.08000	3.5963	0.11559	0.08350	4			0
126.99	Glycine, Miscellaneous (%)	0889	2.3932	0.52760				2			0
126.99	Glycine, Miscellaneous (%)	2144	3.4400	0.02000				2			0
127.00	Histidine, Post-col Ninhydrin Der (%)	0226	0.98800	0.05000	1.1498	0.05683	0.02303	19	-2.85	7%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0870	1.0829	0.00080	1.1498	0.05683	0.02303	19	-1.18	3%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0859	1.0851	0.00800	1.1498	0.05683	0.02303	19	-1.14	3%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0910	1.0900	0.04000	1.1498	0.05683	0.02303	19	-1.05	3%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0684	1.1200	0.02400	1.1498	0.05683	0.02303	19	-0.52	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	2059	1.1265	0.00300	1.1498	0.05683	0.02303	19	-0.41	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0571	1.1270	0.01600	1.1498	0.05683	0.02303	19	-0.40	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0968	1.1350	0.00800	1.1498	0.05683	0.02303	19	-0.26	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0644	1.1425	0.00100	1.1498	0.05683	0.02303	19	-0.13	0%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0354	1.1470	0.01200	1.1498	0.05683	0.02303	19	-0.05	0%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0504	1.1550	0.07000	1.1498	0.05683	0.02303	19	0.09	0%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0675	1.1600	0.00000	1.1498	0.05683	0.02303	19	0.18	0%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0227	1.1650	0.01000	1.1498	0.05683	0.02303	19	0.27	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0652	1.1800	0.06000	1.1498	0.05683	0.02303	19	0.53	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0872	1.1825	0.03300	1.1498	0.05683	0.02303	19	0.58	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0878	1.1955	0.03300	1.1498	0.05683	0.02303	19	0.80	2%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0171	1.2170	0.05800	1.1498	0.05683	0.02303	19	1.18	3%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0918	1.2407	0.00080	1.1498	0.05683	0.02303	19	1.60	4%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0619	1.3050	0.01000	1.1498	0.05683	0.02303	19	2.73	7%	0
127.01	Histidine, Pre-col OPA Der (%)	0297	1.0230	0.04000				1			0
127.02	Histidine, Post-col OPA Der (%)	0098	1.0935	0.00700				1			0
127.05	Histidine, Pre-col AQC Der (%)	0626	1.0985	0.01500	1.1255	0.01847	0.03000	4			0
127.05	Histidine, Pre-col AQC Der (%)	0610	1.1300	0.02000	1.1255	0.01847	0.03000	4			0
127.05	Histidine, Pre-col AQC Der (%)	0676	1.1335	0.00500	1.1255	0.01847	0.03000	4			0
127.05	Histidine, Pre-col AQC Der (%)	0148	1.1400	0.08000	1.1255	0.01847	0.03000	4			0
127.99	Histidine, Miscellaneous (%)	0889	0.83860	0.00000				1			0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0226	1.6400	0.16000	1.8443	0.07458	0.03746	19	-2.74	6%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0859	1.7388	0.00730	1.8443	0.07458	0.03746	19	-1.42	3%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0652	1.7650	0.03000	1.8443	0.07458	0.03746	19	-1.06	2%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0910	1.7700	0.02000	1.8443	0.07458	0.03746	19	-1.00	2%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0684	1.8095	0.02300	1.8443	0.07458	0.03746	19	-0.47	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0878	1.8125	0.00300	1.8443	0.07458	0.03746	19	-0.43	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	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	2059	1.8165	0.00100	1.8443	0.07458	0.03746	19	-0.37	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0968	1.8270	0.00600	1.8443	0.07458	0.03746	19	-0.23	0%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0872	1.8305	0.04900	1.8443	0.07458	0.03746	19	-0.19	0%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0918	1.8481	0.15370	1.8443	0.07458	0.03746	19	0.05	0%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0354	1.8535	0.00700	1.8443	0.07458	0.03746	19	0.12	0%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0571	1.8620	0.01600	1.8443	0.07458	0.03746	19	0.24	0%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0171	1.8680	0.05600	1.8443	0.07458	0.03746	19	0.32	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0619	1.8800	0.04000	1.8443	0.07458	0.03746	19	0.48	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0675	1.8850	0.03000	1.8443	0.07458	0.03746	19	0.55	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0644	1.9075	0.00700	1.8443	0.07458	0.03746	19	0.85	2%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0227	1.9300	0.00000	1.8443	0.07458	0.03746	19	1.15	2%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0504	1.9500	0.02000	1.8443	0.07458	0.03746	19	1.42	3%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0870	2.0170	0.08270	1.8443	0.07458	0.03746	19	2.31	5%	0
128.01	Isoleucine, Pre-col OPA Der (%)	0297	1.9930	0.00200				1			0
128.02	Isoleucine, Post-col OPA Der (%)	0098	1.8130	0.02800				1			0
128.05	Isoleucine, Pre-col AQC Der (%)	0676	1.7820	0.01200	1.8788	0.07327	0.01600	4			0
128.05	Isoleucine, Pre-col AQC Der (%)	0610	1.8700	0.04000	1.8788	0.07327	0.01600	4			0
128.05	Isoleucine, Pre-col AQC Der (%)	0626	1.9080	0.00200	1.8788	0.07327	0.01600	4			0
128.05	Isoleucine, Pre-col AQC Der (%)	0148	1.9550	0.01000	1.8788	0.07327	0.01600	4			0
128.99	Isoleucine, Miscellaneous (%)	0889	1.7572	0.17900				2			0
128.99	Isoleucine, Miscellaneous (%)	2144	1.8050	0.15000				2			0
129.00	Leucine, Post-col Ninhydrin Der (%)	0910	3.7950	0.03000	4.0045	0.12718	0.05438	19	-1.65	3%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0870	3.8228	0.06050	4.0045	0.12718	0.05438	19	-1.43	2%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0872	3.9090	0.10800	4.0045	0.12718	0.05438	19	-0.75	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0652	3.9150	0.07000	4.0045	0.12718	0.05438	19	-0.70	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0859	3.9216	0.01430	4.0045	0.12718	0.05438	19	-0.65	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	2059	3.9445	0.01900	4.0045	0.12718	0.05438	19	-0.47	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0226	3.9660	0.17800	4.0045	0.12718	0.05438	19	-0.30	0%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0354	3.9855	0.03500	4.0045	0.12718	0.05438	19	-0.15	0%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0684	3.9890	0.05200	4.0045	0.12718	0.05438	19	-0.12	0%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0504	3.9900	0.04000	4.0045	0.12718	0.05438	19	-0.11	0%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0644	3.9920	0.00800	4.0045	0.12718	0.05438	19	-0.10	0%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0571	3.9960	0.03200	4.0045	0.12718	0.05438	19	-0.07	0%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0968	4.0375	0.07500	4.0045	0.12718	0.05438	19	0.26	0%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0227	4.0450	0.01000	4.0045	0.12718	0.05438	19	0.32	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0878	4.0560	0.01200	4.0045	0.12718	0.05438	19	0.41	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0171	4.1155	0.03100	4.0045	0.12718	0.05438	19	0.87	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0675	4.2200	0.04000	4.0045	0.12718	0.05438	19	1.69	3%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0619	4.2250	0.07000	4.0045	0.12718	0.05438	19	1.73	3%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0918	4.3414	0.14850	4.0045	0.12718	0.05438	19	2.65	4%	0
129.01	Leucine, Pre-col OPA Der (%)	0297	4.0075	0.02900				1			0

Test Material Code # 201732

Method Proficiency Testing Report

Issue Date : 01/31/2018

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
129.02	Leucine, Post-col OPA Der (%)	0098	3.9345	0.00300				1			0
129.05	Leucine, Pre-col AQC Der (%)	0626	3.9500	0.05000	4.0118	0.05118	0.02050	4			0
129.05	Leucine, Pre-col AQC Der (%)	0148	3.9900	0.02000	4.0118	0.05118	0.02050	4			0
129.05	Leucine, Pre-col AQC Der (%)	0676	4.0470	0.01200	4.0118	0.05118	0.02050	4			0
129.05	Leucine, Pre-col AQC Der (%)	0610	4.0600	0.00000	4.0118	0.05118	0.02050	4			0
129.99	Leucine, Miscellaneous (%)	2144	3.9550	0.03000				2			0
129.99	Leucine, Miscellaneous (%)	0889	4.1504	0.04710				2			0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0171	3.5935	0.02500	4.1931	0.22600	0.07489	21	-2.65	7%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0226	3.7575	0.19900	4.1931	0.22600	0.07489	21	-1.93	5%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0848	3.8400	0.01000	4.1931	0.22600	0.07489	21	-1.56	4%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0910	3.9650	0.11000	4.1931	0.22600	0.07489	21	-1.01	3%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0354	4.0235	0.01900	4.1931	0.22600	0.07489	21	-0.75	2%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0652	4.0350	0.05000	4.1931	0.22600	0.07489	21	-0.70	2%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0872	4.1400	0.09800	4.1931	0.22600	0.07489	21	-0.23	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0684	4.2010	0.11200	4.1931	0.22600	0.07489	21	0.04	0%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0571	4.2140	0.04000	4.1931	0.22600	0.07489	21	0.09	0%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0644	4.2195	0.00900	4.1931	0.22600	0.07489	21	0.12	0%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0878	4.2210	0.02200	4.1931	0.22600	0.07489	21	0.12	0%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0968	4.2405	0.01900	4.1931	0.22600	0.07489	21	0.21	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0512	4.2740	0.19000	4.1931	0.22600	0.07489	21	0.36	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	2059	4.2755	0.00500	4.1931	0.22600	0.07489	21	0.36	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0859	4.2787	0.27480	4.1931	0.22600	0.07489	21	0.38	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0504	4.2800	0.04000	4.1931	0.22600	0.07489	21	0.38	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0675	4.2850	0.05000	4.1931	0.22600	0.07489	21	0.41	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0870	4.3626	0.00470	4.1931	0.22600	0.07489	21	0.75	2%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0227	4.4600	0.08000	4.1931	0.22600	0.07489	21	1.18	3%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0619	4.4850	0.07000	4.1931	0.22600	0.07489	21	1.29	3%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0918	4.5561	0.14520	4.1931	0.22600	0.07489	21	1.61	4%	0
130.01	L-Lysine, Pre-col OPA Der (%)	0297	4.3060	0.01000				1			0
130.02	L-Lysine, Post-col OPA Der (%)	0098	4.4475	0.02900				1			0
130.05	L-Lysine, Pre-col AQC Der (%)	0626	3.9135	0.01700	4.1657	0.20867	0.21220	5			0
130.05	L-Lysine, Pre-col AQC Der (%)	0014	4.0750	0.55000	4.1657	0.20867	0.21220	5			0
130.05	L-Lysine, Pre-col AQC Der (%)	0610	4.1700	0.14000	4.1657	0.20867	0.21220	5			0
130.05	L-Lysine, Pre-col AQC Der (%)	0676	4.1850	0.04400	4.1657	0.20867	0.21220	5			0
130.05	L-Lysine, Pre-col AQC Der (%)	0148	4.4850	0.31000	4.1657	0.20867	0.21220	5			0
130.99	L-Lysine, Miscellaneous (%)	0889	2.5110	0.02830				3			0
130.99	L-Lysine, Miscellaneous (%)	2053	3.9450	0.19000				3			0
130.99	L-Lysine, Miscellaneous (%)	2144	4.1350	0.07000				3			0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0619	1.2500	0.04000	1.4399	0.09048	0.03169	20	-2.10	7%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0878	1.3200	0.02000	1.4399	0.09048	0.03169	20	-1.32	4%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0684	1.3550	0.05800	1.4399	0.09048	0.03169	20	-0.94	3%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0859	1.3617	0.00110	1.4399	0.09048	0.03169	20	-0.86	3%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0968	1.3795	0.00700	1.4399	0.09048	0.03169	20	-0.67	2%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0918	1.3905	0.04440	1.4399	0.09048	0.03169	20	-0.55	2%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0910	1.3950	0.03000	1.4399	0.09048	0.03169	20	-0.50	2%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0226	1.4000	0.05200	1.4399	0.09048	0.03169	20	-0.44	1%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0504	1.4000	0.02000	1.4399	0.09048	0.03169	20	-0.44	1%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0652	1.4300	0.02000	1.4399	0.09048	0.03169	20	-0.11	0%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0171	1.4455	0.09700	1.4399	0.09048	0.03169	20	0.06	0%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	2059	1.4490	0.01400	1.4399	0.09048	0.03169	20	0.10	0%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0870	1.4576	0.03620	1.4399	0.09048	0.03169	20	0.20	1%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0571	1.4815	0.00100	1.4399	0.09048	0.03169	20	0.46	1%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0644	1.5015	0.00700	1.4399	0.09048	0.03169	20	0.68	2%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0872	1.5195	0.03500	1.4399	0.09048	0.03169	20	0.88	3%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0354	1.5305	0.00500	1.4399	0.09048	0.03169	20	1.00	3%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0227	1.5450	0.03000	1.4399	0.09048	0.03169	20	1.16	4%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0512	1.5560	0.07600	1.4399	0.09048	0.03169	20	1.28	4%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0675	1.9200	0.04000	1.4399	0.09048	0.03169	20	5.31	17%	0
131.01	Methionine, PAO Pre-col OPA Der (%)	0297	1.3845	0.00700				1			0
131.02	Methionine, PAO Post-col OPA Der (%)	0098	1.3560	0.02000				1			0
131.05	Methionine, PAO Pre-col AQC Der (%)	0014	1.2850	0.05000	1.4210	0.09994	0.04600	4			0
131.05	Methionine, PAO Pre-col AQC Der (%)	0148	1.4250	0.11000	1.4210	0.09994	0.04600	4			0
131.05	Methionine, PAO Pre-col AQC Der (%)	0610	1.4500	0.02000	1.4210	0.09994	0.04600	4			0
131.05	Methionine, PAO Pre-col AQC Der (%)	0626	1.5240	0.00400	1.4210	0.09994	0.04600	4			0
131.99	Methionine, Miscellaneous (%)	0889	0.96100	0.00000				3			0
131.99	Methionine, Miscellaneous (%)	2053	1.4650	0.09000				3			0
131.99	Methionine, Miscellaneous (%)	2144	1.6450	0.03000				3			0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0226	1.8675	0.04300	2.1641	0.09123	0.04446	19	-3.25	7%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0910	1.9350	0.01000	2.1641	0.09123	0.04446	19	-2.51	5%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0684	2.0845	0.04500	2.1641	0.09123	0.04446	19	-0.87	2%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0227	2.0950	0.03000	2.1641	0.09123	0.04446	19	-0.76	2%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0652	2.1050	0.09000	2.1641	0.09123	0.04446	19	-0.65	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0872	2.1140	0.10800	2.1641	0.09123	0.04446	19	-0.55	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0354	2.1265	0.00500	2.1641	0.09123	0.04446	19	-0.41	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0571	2.1355	0.02900	2.1641	0.09123	0.04446	19	-0.31	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0968	2.1400	0.08000	2.1641	0.09123	0.04446	19	-0.26	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0644	2.1545	0.01700	2.1641	0.09123	0.04446	19	-0.11	0%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0504	2.1700	0.04000	2.1641	0.09123	0.04446	19	0.06	0%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0878	2.1845	0.06700	2.1641	0.09123	0.04446	19	0.22	0%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	2059	2.2200	0.00600	2.1641	0.09123	0.04446	19	0.61	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0171	2.2215	0.05900	2.1641	0.09123	0.04446	19	0.63	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0859	2.2292	0.02010	2.1641	0.09123	0.04446	19	0.71	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	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0619	2.2350	0.03000	2.1641	0.09123	0.04446	19	0.78	2%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0870	2.2632	0.08260	2.1641	0.09123	0.04446	19	1.09	2%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0918	2.2839	0.06310	2.1641	0.09123	0.04446	19	1.31	3%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0675	2.3200	0.02000	2.1641	0.09123	0.04446	19	1.71	4%	0
132.01	Phenylalanine, Pre-col OPA Der (%)	0297	2.1130	0.07800				1			0
132.02	Phenylalanine, Post-col OPA Der (%)	0098	2.0715	0.01500				1			0
132.05	Phenylalanine, Pre-col AQC Der (%)	0148	2.0600	0.20000	2.1140	0.05023	0.07450	4			0
132.05	Phenylalanine, Pre-col AQC Der (%)	0626	2.0825	0.04100	2.1140	0.05023	0.07450	4			0
132.05	Phenylalanine, Pre-col AQC Der (%)	0610	2.1550	0.05000	2.1140	0.05023	0.07450	4			0
132.05	Phenylalanine, Pre-col AQC Der (%)	0676	2.1585	0.00700	2.1140	0.05023	0.07450	4			0
132.99	Phenylalanine, Miscellaneous (%)	0889	1.8043	0.00940				1			0
133.00	Proline, Post-col Ninhydrin Der (%)	0675	1.9000	0.04000	3.1215	0.10739	0.04595	18	-11.37	20%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0859	2.7089	0.01050	3.1215	0.10739	0.04595	18	-3.84	7%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0171	3.0330	0.18000	3.1215	0.10739	0.04595	18	-0.82	1%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0910	3.0500	0.08000	3.1215	0.10739	0.04595	18	-0.67	1%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0878	3.0525	0.01500	3.1215	0.10739	0.04595	18	-0.64	1%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0872	3.0620	0.02000	3.1215	0.10739	0.04595	18	-0.55	1%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0870	3.0809	0.04460	3.1215	0.10739	0.04595	18	-0.38	1%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0226	3.0815	0.04500	3.1215	0.10739	0.04595	18	-0.37	1%	0
133.00	Proline, Post-col Ninhydrin Der (%)	2059	3.1090	0.00000	3.1215	0.10739	0.04595	18	-0.12	0%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0652	3.1100	0.06000	3.1215	0.10739	0.04595	18	-0.11	0%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0571	3.1590	0.03800	3.1215	0.10739	0.04595	18	0.35	1%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0504	3.1700	0.04000	3.1215	0.10739	0.04595	18	0.45	1%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0968	3.1850	0.02600	3.1215	0.10739	0.04595	18	0.59	1%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0619	3.1950	0.03000	3.1215	0.10739	0.04595	18	0.68	1%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0354	3.2300	0.00200	3.1215	0.10739	0.04595	18	1.01	2%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0644	3.2305	0.02700	3.1215	0.10739	0.04595	18	1.01	2%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0684	3.2355	0.03900	3.1215	0.10739	0.04595	18	1.06	2%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0227	3.4150	0.13000	3.1215	0.10739	0.04595	18	2.73	5%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0918	4.4227	0.33920	3.1215	0.10739	0.04595	18	12.12	21%	1
133.05	Proline, Pre-col AQC Der (%)	0148	3.0700	0.02000	3.2045	0.11352	0.03650	4			0
133.05	Proline, Pre-col AQC Der (%)	0610	3.1700	0.06000	3.2045	0.11352	0.03650	4			0
133.05	Proline, Pre-col AQC Der (%)	0626	3.2385	0.04700	3.2045	0.11352	0.03650	4			0
133.05	Proline, Pre-col AQC Der (%)	0676	3.3395	0.01900	3.2045	0.11352	0.03650	4			0
133.99	Proline, Miscellaneous (%)	2144	2.8200	0.14000				2			0
133.99	Proline, Miscellaneous (%)	0889	2.9821	0.27330				2			0
134.00	Serine, Post-col Ninhydrin Der (%)	0504	2.1650	0.13000	2.4090	0.13722	0.04571	18	-1.78	5%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0910	2.2350	0.11000	2.4090	0.13722	0.04571	18	-1.27	4%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0644	2.2920	0.02200	2.4090	0.13722	0.04571	18	-0.85	2%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0870	2.3023	0.02050	2.4090	0.13722	0.04571	18	-0.78	2%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0859	2.3523	0.01110	2.4090	0.13722	0.04571	18	-0.41	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			
134.00	Serine, Post-col Ninhydrin Der (%)	0652	2.3600	0.02000	2.4090	0.13722	0.04571	18	-0.36	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0872	2.3665	0.10500	2.4090	0.13722	0.04571	18	-0.31	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0684	2.3700	0.02600	2.4090	0.13722	0.04571	18	-0.28	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0968	2.3720	0.00400	2.4090	0.13722	0.04571	18	-0.27	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0571	2.3780	0.02400	2.4090	0.13722	0.04571	18	-0.23	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0354	2.3920	0.02000	2.4090	0.13722	0.04571	18	-0.12	0%	0
134.00	Serine, Post-col Ninhydrin Der (%)	2059	2.4305	0.00100	2.4090	0.13722	0.04571	18	0.16	0%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0227	2.4900	0.00000	2.4090	0.13722	0.04571	18	0.59	2%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0878	2.4975	0.17700	2.4090	0.13722	0.04571	18	0.65	2%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0675	2.5050	0.01000	2.4090	0.13722	0.04571	18	0.70	2%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0918	2.5955	0.04520	2.4090	0.13722	0.04571	18	1.36	4%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0619	2.6050	0.05000	2.4090	0.13722	0.04571	18	1.43	4%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0171	2.6545	0.04700	2.4090	0.13722	0.04571	18	1.79	5%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0226	2.6510	0.47800	2.4090	0.13722	0.04571	18	1.76	5%	1
134.01	Serine, Pre-col OPA Der (%)	0297	2.5050	0.09600				1			0
134.02	Serine, Post-col OPA Der (%)	0098	2.2530	0.09800				1			0
134.05	Serine, Pre-col AQC Der (%)	0148	2.2000	0.14000	2.3760	0.18501	0.06100	4			0
134.05	Serine, Pre-col AQC Der (%)	0626	2.3010	0.01000	2.3760	0.18501	0.06100	4			0
134.05	Serine, Pre-col AQC Der (%)	0610	2.3700	0.04000	2.3760	0.18501	0.06100	4			0
134.05	Serine, Pre-col AQC Der (%)	0676	2.6330	0.05400	2.3760	0.18501	0.06100	4			0
134.99	Serine, Miscellaneous (%)	2144	2.5850	0.09000				2			0
134.99	Serine, Miscellaneous (%)	0889	3.0669	0.38630				2			0
135.00	Threonine, Post-col Ninhydrin Der (%)	0910	1.7750	0.07000	1.8850	0.09112	0.02699	19	-1.21	3%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0226	1.7925	0.10700	1.8850	0.09112	0.02699	19	-1.02	2%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0878	1.8060	0.04200	1.8850	0.09112	0.02699	19	-0.87	2%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0859	1.8092	0.01450	1.8850	0.09112	0.02699	19	-0.83	2%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0652	1.8150	0.01000	1.8850	0.09112	0.02699	19	-0.77	2%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0504	1.8300	0.02000	1.8850	0.09112	0.02699	19	-0.60	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0872	1.8380	0.06400	1.8850	0.09112	0.02699	19	-0.52	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	2059	1.8440	0.01000	1.8850	0.09112	0.02699	19	-0.45	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0644	1.8500	0.02200	1.8850	0.09112	0.02699	19	-0.38	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0354	1.8695	0.02700	1.8850	0.09112	0.02699	19	-0.17	0%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0571	1.8695	0.00500	1.8850	0.09112	0.02699	19	-0.17	0%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0968	1.8800	0.00000	1.8850	0.09112	0.02699	19	-0.05	0%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0870	1.9235	0.00930	1.8850	0.09112	0.02699	19	0.42	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0684	1.9430	0.01000	1.8850	0.09112	0.02699	19	0.64	2%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0227	1.9500	0.00000	1.8850	0.09112	0.02699	19	0.71	2%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0675	1.9550	0.01000	1.8850	0.09112	0.02699	19	0.77	2%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0171	2.0560	0.02800	1.8850	0.09112	0.02699	19	1.88	5%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0619	2.0850	0.05000	1.8850	0.09112	0.02699	19	2.19	5%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0918	2.1787	0.01400	1.8850	0.09112	0.02699	19	3.22	8%	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			
135.01	Threonine, Pre-col OPA Der (%)	0297	1.9305	0.07500				1			0
135.02	Threonine, Post-col OPA Der (%)	0098	1.8470	0.00600				1			0
135.05	Threonine, Pre-col AQC Der (%)	0148	1.8000	0.12000	1.8353	0.03984	0.06750	4			0
135.05	Threonine, Pre-col AQC Der (%)	0626	1.8015	0.07500	1.8353	0.03984	0.06750	4			0
135.05	Threonine, Pre-col AQC Der (%)	0676	1.8695	0.03500	1.8353	0.03984	0.06750	4			0
135.05	Threonine, Pre-col AQC Der (%)	0610	1.8700	0.04000	1.8353	0.03984	0.06750	4			0
135.99	Threonine, Miscellaneous (%)	0160	1.5361	0.26750				3			0
135.99	Threonine, Miscellaneous (%)	2144	1.8700	0.06000				3			0
135.99	Threonine, Miscellaneous (%)	0889	2.1011	0.01880				3			0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0910	0.40500	0.03000	0.44195	0.03604	0.02007	6	-1.03	4%	0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0870	0.41810	0.01460	0.44195	0.03604	0.02007	6	-0.66	3%	0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0684	0.43850	0.00100	0.44195	0.03604	0.02007	6	-0.10	0%	0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0619	0.43900	0.00600	0.44195	0.03604	0.02007	6	-0.08	0%	0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0918	0.45510	0.03880	0.44195	0.03604	0.02007	6	0.36	1%	0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0227	0.50500	0.03000	0.44195	0.03604	0.02007	6	1.75	7%	0
136.01	Tryptophan, Alka-Hydrol Rev Phase LC UV (%)	0297	0.29750	0.00300				3			0
136.01	Tryptophan, Alka-Hydrol Rev Phase LC UV (%)	0878	0.39200	0.00400				3			0
136.01	Tryptophan, Alka-Hydrol Rev Phase LC UV (%)	0644	0.46900	0.00200				3			0
136.01	Tryptophan, Alka-Hydrol Rev Phase LC UV (%)	0208	0.40450	0.03300				3			1
136.02	Tryptophan, Alka-Hydrol Post-col OPA De (%)	0098	0.44250	0.00100				1			0
136.03	Tryptophan, Alka-Hydrol + IS RP LC FI (%)	2059	0.45500	0.00000				3			0
136.03	Tryptophan, Alka-Hydrol + IS RP LC FI (%)	0872	0.45700	0.00400				3			0
136.03	Tryptophan, Alka-Hydrol + IS RP LC FI (%)	0571	0.46750	0.00700				3			0
136.03	Tryptophan, Alka-Hydrol + IS RP LC FI (%)	0859	0.44745	0.02790				3			1
136.03	Tryptophan, Alka-Hydrol + IS RP LC FI (%)	0297	0.29750	0.00300				3			2
136.99	Tryptophan, Miscellaneous (%)	0889	0.10835	0.00950				2			0
136.99	Tryptophan, Miscellaneous (%)	0504	0.33000	0.02000				2			0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0910	0.99500	0.05000	1.4641	0.08362	0.03407	14	-5.61	16%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0226	1.3675	0.06900	1.4641	0.08362	0.03407	14	-1.15	3%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0354	1.4040	0.00200	1.4641	0.08362	0.03407	14	-0.72	2%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0870	1.4183	0.00530	1.4641	0.08362	0.03407	14	-0.55	2%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0684	1.4195	0.03100	1.4641	0.08362	0.03407	14	-0.53	2%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0872	1.4340	0.03800	1.4641	0.08362	0.03407	14	-0.36	1%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0968	1.4540	0.06600	1.4641	0.08362	0.03407	14	-0.12	0%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0227	1.4550	0.03000	1.4641	0.08362	0.03407	14	-0.11	0%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0644	1.4855	0.00700	1.4641	0.08362	0.03407	14	0.26	1%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0675	1.5050	0.01000	1.4641	0.08362	0.03407	14	0.49	1%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	2059	1.5265	0.01300	1.4641	0.08362	0.03407	14	0.75	2%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0504	1.5350	0.07000	1.4641	0.08362	0.03407	14	0.85	2%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0918	1.5645	0.07270	1.4641	0.08362	0.03407	14	1.20	3%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0171	1.6265	0.01300	1.4641	0.08362	0.03407	14	1.94	6%	0

Test Material Code # 201732

Method Proficiency Testing Report

Issue Date : 01/31/2018

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
137.01	Tyrosine, Pre-col OPA Der (%)	0297	1.5120	0.02200				1			0
137.02	Tyrosine, Post-col OPA Der (%)	0098	1.5050	0.00600				1			0
137.05	Tyrosine, Pre-col AQC Der (%)	0626	1.4605	0.12100	1.5699	0.12275	0.06725	4			0
137.05	Tyrosine, Pre-col AQC Der (%)	0148	1.4950	0.13000	1.5699	0.12275	0.06725	4			0
137.05	Tyrosine, Pre-col AQC Der (%)	0676	1.5890	0.00800	1.5699	0.12275	0.06725	4			0
137.05	Tyrosine, Pre-col AQC Der (%)	0610	1.7350	0.01000	1.5699	0.12275	0.06725	4			0
137.99	Tyrosine, Miscellaneous (%)	0889	1.2013	0.00940				1			0
138.00	Valine, Post-col Ninhydrin Der (%)	0870	2.3076	0.09200	2.5179	0.12318	0.04772	19	-1.71	4%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0652	2.3700	0.02000	2.5179	0.12318	0.04772	19	-1.20	3%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0226	2.3760	0.19800	2.5179	0.12318	0.04772	19	-1.15	3%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0859	2.4041	0.00550	2.5179	0.12318	0.04772	19	-0.92	2%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0675	2.4050	0.01000	2.5179	0.12318	0.04772	19	-0.92	2%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0354	2.4615	0.04900	2.5179	0.12318	0.04772	19	-0.46	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0910	2.4800	0.14000	2.5179	0.12318	0.04772	19	-0.31	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0878	2.4865	0.03300	2.5179	0.12318	0.04772	19	-0.26	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0171	2.5040	0.04600	2.5179	0.12318	0.04772	19	-0.11	0%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0968	2.5245	0.00300	2.5179	0.12318	0.04772	19	0.05	0%	0
138.00	Valine, Post-col Ninhydrin Der (%)	2059	2.5395	0.00500	2.5179	0.12318	0.04772	19	0.18	0%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0684	2.5620	0.03000	2.5179	0.12318	0.04772	19	0.36	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0571	2.5650	0.04400	2.5179	0.12318	0.04772	19	0.38	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0872	2.5830	0.07000	2.5179	0.12318	0.04772	19	0.53	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0504	2.6050	0.05000	2.5179	0.12318	0.04772	19	0.71	2%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0619	2.6050	0.01000	2.5179	0.12318	0.04772	19	0.71	2%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0644	2.6335	0.00500	2.5179	0.12318	0.04772	19	0.94	2%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0227	2.7000	0.08000	2.5179	0.12318	0.04772	19	1.48	4%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0918	2.7486	0.01620	2.5179	0.12318	0.04772	19	1.87	5%	0
138.01	Valine, Pre-col OPA Der (%)	0297	2.6465	0.04500				1			0
138.02	Valine, Post-col OPA Der (%)	0098	2.5340	0.03400				1			0
138.05	Valine, Pre-col AQC Der (%)	0626	2.4505	0.03700	2.5316	0.06150	0.02375	4			0
138.05	Valine, Pre-col AQC Der (%)	0676	2.5360	0.03800	2.5316	0.06150	0.02375	4			0
138.05	Valine, Pre-col AQC Der (%)	0610	2.5400	0.02000	2.5316	0.06150	0.02375	4			0
138.05	Valine, Pre-col AQC Der (%)	0148	2.6000	0.00000	2.5316	0.06150	0.02375	4			0
138.99	Valine, Miscellaneous (%)	0889	2.0446	0.01880				2			0
138.99	Valine, Miscellaneous (%)	2144	2.6250	0.33000				2			0
139.00	Taurine, Post-col Ninhydrin Der (%)	0644	0.20400	0.00400	0.27500	0.05100	0.01200	4			0
139.00	Taurine, Post-col Ninhydrin Der (%)	0171	0.28100	0.01400	0.27500	0.05100	0.01200	4			0
139.00	Taurine, Post-col Ninhydrin Der (%)	0227	0.29000	0.00000	0.27500	0.05100	0.01200	4			0
139.00	Taurine, Post-col Ninhydrin Der (%)	0504	0.32500	0.03000	0.27500	0.05100	0.01200	4			0
139.02	Taurine, Post-col OPA Der (%)	0098	0.26400	0.00000				1			0
139.99	Taurine, Miscellaneous (%)	0889	0.23085	0.00950				1			0
357.01	Ethoxyquin, LC (mg/kg (ppm))	0227	73.500	1.0000				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			
357.99	Ethoxyquin, Miscellaneous (mg/kg (ppm))	0942	74.000	0.00000				1			0
400.01	Water activity, Aqualab chilled mirror (Units)	0589	0.37550	0.00900	0.40359	0.03573	0.00561	7	-0.79	3%	0
400.01	Water activity, Aqualab chilled mirror (Units)	0843	0.37900	0.00600	0.40359	0.03573	0.00561	7	-0.69	3%	0
400.01	Water activity, Aqualab chilled mirror (Units)	0407	0.38730	0.00360	0.40359	0.03573	0.00561	7	-0.46	2%	0
400.01	Water activity, Aqualab chilled mirror (Units)	0942	0.39100	0.01200	0.40359	0.03573	0.00561	7	-0.35	2%	0
400.01	Water activity, Aqualab chilled mirror (Units)	0051	0.39500	0.00400	0.40359	0.03573	0.00561	7	-0.24	1%	0
400.01	Water activity, Aqualab chilled mirror (Units)	2009	0.44800	0.00000	0.40359	0.03573	0.00561	7	1.24	6%	0
400.01	Water activity, Aqualab chilled mirror (Units)	0552	0.44935	0.00470	0.40359	0.03573	0.00561	7	1.28	6%	0
400.99	Water activity, Miscellaneous (Units)	2073	0.35900	0.00000				2			0
400.99	Water activity, Miscellaneous (Units)	0843	0.38450	0.00100				2			0
412.01	Dietary Starch, Enzymatic-Colorimetric (%)	0353	8.6500	0.02000				1			0
516.00	Arsenic, total, AA, Hydride (mg / kg (ppm))	0045	0.41500	0.05000				2			0
516.00	Arsenic, total, AA, Hydride (mg / kg (ppm))	0171	2.7450	0.01000				2			0
516.43	Arsenic, total, ICP, Microwave (mg / kg (ppm))	0508	3.2538	0.41080				2			0
516.43	Arsenic, total, ICP, Microwave (mg / kg (ppm))	2033	3.3700	0.02000				2			0
516.52	Arsenic, total, ICP-MS, Open vessel (mg / kg (ppm))	2146	2.7330	0.11200				3			0
516.52	Arsenic, total, ICP-MS, Open vessel (mg / kg (ppm))	0186	2.8400	0.06000				3			0
516.52	Arsenic, total, ICP-MS, Open vessel (mg / kg (ppm))	0910	2.9750	0.21000				3			0
516.53	Arsenic, total, ICP-MS, Microwave (mg / kg (ppm))	0553	2.8850	0.03000	3.0464	0.16764	0.11865	6	-0.96	3%	0
516.53	Arsenic, total, ICP-MS, Microwave (mg / kg (ppm))	0227	2.9000	0.12000	3.0464	0.16764	0.11865	6	-0.87	2%	0
516.53	Arsenic, total, ICP-MS, Microwave (mg / kg (ppm))	0413	2.9700	0.04000	3.0464	0.16764	0.11865	6	-0.46	1%	0
516.53	Arsenic, total, ICP-MS, Microwave (mg / kg (ppm))	2012	3.1100	0.04000	3.0464	0.16764	0.11865	6	0.38	1%	0
516.53	Arsenic, total, ICP-MS, Microwave (mg / kg (ppm))	0098	3.1910	0.19200	3.0464	0.16764	0.11865	6	0.86	2%	0
516.53	Arsenic, total, ICP-MS, Microwave (mg / kg (ppm))	0918	3.2225	0.28990	3.0464	0.16764	0.11865	6	1.05	3%	0
518.41	Cadmium, ICP, Dry ash (mg / kg (ppm))	0171	0.11250	0.01300				1			0
518.42	Cadmium, ICP, Open vessel (mg / kg (ppm))	0045	0.10000	0.00000				1			0
518.43	Cadmium, ICP, Microwave (mg / kg (ppm))	2033	0.11000	0.00000				1			0
518.52	Cadmium, ICP-MS, Open vessel (mg / kg (ppm))	0186	0.11050	0.00100				3			0
518.52	Cadmium, ICP-MS, Open vessel (mg / kg (ppm))	2146	0.11050	0.00500				3			0
518.52	Cadmium, ICP-MS, Open vessel (mg / kg (ppm))	0910	0.13000	0.02000				3			0
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0227	0.10050	0.01700	0.10989	0.00751	0.00858	6	-1.25	4%	0
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	2012	0.10500	0.01000	0.10989	0.00751	0.00858	6	-0.65	2%	0
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0918	0.10835	0.00950	0.10989	0.00751	0.00858	6	-0.21	1%	0
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0553	0.11200	0.00400	0.10989	0.00751	0.00858	6	0.28	1%	0
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0413	0.11500	0.01000	0.10989	0.00751	0.00858	6	0.68	2%	0
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0098	0.11850	0.00100	0.10989	0.00751	0.00858	6	1.15	4%	0
520.41	Chromium, ICP, Dry ash (mg / kg (ppm))	0171	3.0150	0.11000				1			0
520.42	Chromium, ICP, Open vessel (mg / kg (ppm))	0693	2.6240	0.01400				3			0
520.42	Chromium, ICP, Open vessel (mg / kg (ppm))	0045	2.9050	0.11000				3			0
520.42	Chromium, ICP, Open vessel (mg / kg (ppm))	2053	3.6750	0.05000				3			0
520.43	Chromium, ICP, Microwave (mg / kg (ppm))	0510	3.1450	0.15000				3			0

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Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
520.43	Chromium, ICP, Microwave (mg / kg (ppm))	2033	3.2000	0.00000				3		0	
520.43	Chromium, ICP, Microwave (mg / kg (ppm))	0508	3.3751	0.41260				3		0	
520.52	Chromium, ICP-MS, Open vessel (mg / kg (ppm))	0186	2.6750	0.19000				1		0	
520.53	Chromium, ICP-MS, Microwave (mg / kg (ppm))	0553	2.9600	0.22000				2		0	
520.53	Chromium, ICP-MS, Microwave (mg / kg (ppm))	0918	4.3021	0.07340				2		0	
526.41	Lead, ICP, Dry ash (mg / kg (ppm))	0171	0.68350	0.05300				1		0	
526.52	Lead, ICP-MS, Open vessel (mg / kg (ppm))	2146	0.57400	0.03800				3		0	
526.52	Lead, ICP-MS, Open vessel (mg / kg (ppm))	0186	0.58050	0.00500				3		0	
526.52	Lead, ICP-MS, Open vessel (mg / kg (ppm))	0910	0.60000	0.06000				3		0	
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0227	0.50000	0.00400	0.53926	0.03731	0.02820	7	-1.05	4%	0
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0918	0.52110	0.00040	0.53926	0.03731	0.02820	7	-0.49	2%	0
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0553	0.52150	0.00300	0.53926	0.03731	0.02820	7	-0.48	2%	0
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0413	0.53000	0.06000	0.53926	0.03731	0.02820	7	-0.25	1%	0
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	2033	0.53500	0.03000	0.53926	0.03731	0.02820	7	-0.11	0%	0
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0098	0.57200	0.04000	0.53926	0.03731	0.02820	7	0.88	3%	0
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	2012	0.62000	0.06000	0.53926	0.03731	0.02820	7	2.16	7%	0
529.99	Mercury, Miscellaneous (µg / kg (ppb))	0227	16.500	1.0000				2		0	
529.99	Mercury, Miscellaneous (µg / kg (ppb))	0918	34.000	2.0000				2		0	
539.41	Nickel, ICP, Dry ash (mg / kg (ppm))	0171	1.0400	0.04000				1		0	
539.43	Nickel, ICP, Microwave (mg / kg (ppm))	2033	0.84000	0.08000				1		0	
539.52	Nickel, ICP-MS, Open vessel (mg / kg (ppm))	0186	1.0300	0.18000				1		0	
539.53	Nickel, ICP-MS, Microwave (mg / kg (ppm))	0553	1.1600	0.04000				2		0	
539.53	Nickel, ICP-MS, Microwave (mg / kg (ppm))	0918	1.8242	0.11330				2		0	
702.00	Butyric Acid (4:0), Miscellaneous GC (%)	0619	0.02450	0.00300				1		0	
704.00	Caproic Acid (6:0), Miscellaneous GC (%)	0619	0.00100	0.00000				1		0	
706.01	Caprylic acid (8:0), Direct Methylation by Alkali Hy	0619	0.00000	0.00000				0		4	
708.01	Capric acid (10:0), Direct Methylation by Alkali Hy	0619	0.00300	0.00000				1		0	
710.01	Lauric Acid (12:0), Direct Methylation by Alkali Hy	0619	0.14700	0.00200				1		0	
710.99	Lauric Acid (12:0), Miscellaneous (%) (w/w)	0910	0.11500	0.01000				1		0	
714.01	Myristic Acid (14:0), Direct Methylation by Alkali H	0619	1.2700	0.00000				1		0	
714.99	Myristic Acid (14:0), Miscellaneous (%) (w/w)	0910	7.3650	0.15000				1		0	
716.01	Palmitic Acid (16:0), Direct Methylation by Alkali H	0619	4.8350	0.05000				1		0	
716.99	Palmitic Acid (16:0), Miscellaneous (%) (w/w)	0910	19.905	0.23000				1		0	
718.01	Palmitoleic Acid (9c-16:1), Direct Methylation by A	0619	2.7150	0.03000				1		0	
718.99	Palmitoleic Acid (9c-16:1), Miscellaneous (%) (w/w)	0910	11.860	0.22000				1		0	
720.99	Margaric acid (17:0), Miscellaneous (%) (w/w)	0910	0.46000	0.00000				1		0	
722.01	Stearic Acid (18:0), Direct Methylation by Alkali Hy	0619	0.69300	0.00800				1		0	
722.99	Stearic Acid (18:0), Miscellaneous (%) (w/w)	0910	3.8150	0.03000				1		0	
724.01	Oleic Acid (9c-18:1), Direct Methylation by Alkali H	0619	2.6400	0.04000				1		0	
724.99	Oleic Acid (9c-18:1), Miscellaneous (%) (w/w)	0910	10.715	0.03000				1		0	
726.01	Linoleic Acid (9c,12c-18:2), Direct Methylation by	0619	1.2850	0.01000				1		0	

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
726.99	Linoleic Acid (9c,12c-18:2), Miscellaneous (% (w/	0910	5.9500	0.04000				1		0	
728.01	alpha-Linolenic Acid (9c,12c,15c-18:3), Direct Met	0619	0.27000	0.00400				1		0	
728.99	alpha-Linolenic Acid (9c,12c,15c-18:3), Miscellane	0910	1.6450	0.01000				1		0	
730.01	Arachidic Acid (20:0), Direct Methylation by Alkali	0619	0.15100	0.00200				1		0	
730.99	Arachidic Acid (20:0), Miscellaneous (% (w/w))	0910	0.21500	0.03000				1		0	
732.01	Gondoic Acid (11c-20:1), Direct Methylation by All	0619	0.18150	0.00100				1		0	
732.99	Gondoic Acid (11c-20:1), Miscellaneous (% (w/w)	0910	0.50000	0.02000				1		0	
736.01	Arachidonic Acid (5c,8c,11c,14c-20:4), Direct Metl	0619	0.00000	0.00000				0		4	
736.99	Arachidonic Acid (5c,8c,11c,14c-20:4), Miscellane	0910	1.2700	0.00000				1		0	
738.01	Mead Acid (11c,14c,17c-20:3), Direct Methylation	0619	0.16700	0.00400				1		0	
740.01	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-2l	0619	1.7200	0.00000				1		0	
740.99	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-2l	0910	9.4050	0.09000				1		0	
744.01	Erucic Acid (13c-22:1), Direct Methylation by Alkal	0619	0.00000	0.00000				0		4	
744.99	Erucic Acid (13c-22:1), Miscellaneous (% (w/w))	0910	0.08500	0.01000				1		0	
746.01	Docosapentaenoic Acid n-3 DPA (DHA)7c,10c,13c	0619	0.29950	0.00300				1		0	
748.99	Lignoceric Acid (24:0), Miscellaneous (% (w/w))	0910	0.14500	0.01000				1		0	
750.01	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,1	0619	0.92700	0.00400				1		0	
752.01	Nervonic Acid (24:1) isomers, Direct Methylation b	0619	0.00000	0.00000				0		4	

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.