



AAFCO
Association of American Feed Control Officials



**Pet Food Ingredient Scheme
Dried Molasses**

**# Labs Reporting: 77
Methods Reported 257
Issue Date : 06/30/2022**

Test Material Code # 202242

Method Proficiency Testing Report

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0504	2.350	0.0600				3			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0309	2.365	0.1100				3			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0027	2.394	0.0720				3			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	2122	2.025	0.2100				3			2
001.03	Loss on Drying, Low temp. methods (%)	2124	1.640	0.0400				3			0
001.03	Loss on Drying, Low temp. methods (%)	2393	2.245	0.2500				3			0
001.03	Loss on Drying, Low temp. methods (%)	0619	3.840	0.0000				3			0
001.05	Loss on Drying, LECO (%)	2136	2.165	0.1100				1			0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0650	1.795	0.2500	2.371	0.1238	0.0833	34	-4.65	12%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0010	2.100	0.0000	2.371	0.1238	0.0833	34	-2.19	6%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2396	2.145	0.3100	2.371	0.1238	0.0833	34	-1.82	5%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0028	2.195	0.0100	2.371	0.1238	0.0833	34	-1.42	4%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	1021	2.200	0.0000	2.371	0.1238	0.0833	34	-1.38	4%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0065	2.280	0.1400	2.371	0.1238	0.0833	34	-0.73	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2382	2.290	0.0400	2.371	0.1238	0.0833	34	-0.65	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2385	2.290	0.0400	2.371	0.1238	0.0833	34	-0.65	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2384	2.310	0.1800	2.371	0.1238	0.0833	34	-0.49	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0873	2.315	0.0500	2.371	0.1238	0.0833	34	-0.45	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2379	2.315	0.0700	2.371	0.1238	0.0833	34	-0.45	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2124	2.320	0.0400	2.371	0.1238	0.0833	34	-0.41	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2380	2.320	0.0600	2.371	0.1238	0.0833	34	-0.41	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2187	2.325	0.0100	2.371	0.1238	0.0833	34	-0.37	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2398	2.325	0.0300	2.371	0.1238	0.0833	34	-0.37	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0845	2.365	0.1100	2.371	0.1238	0.0833	34	-0.05	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2362	2.365	0.0900	2.371	0.1238	0.0833	34	-0.05	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2361	2.375	0.1100	2.371	0.1238	0.0833	34	0.03	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	1022	2.380	0.0200	2.371	0.1238	0.0833	34	0.07	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2408	2.390	0.0200	2.371	0.1238	0.0833	34	0.16	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	1020	2.405	0.0100	2.371	0.1238	0.0833	34	0.28	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2252	2.420	0.1400	2.371	0.1238	0.0833	34	0.40	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0876	2.450	0.1000	2.371	0.1238	0.0833	34	0.64	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0171	2.455	0.0100	2.371	0.1238	0.0833	34	0.68	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2293	2.455	0.0300	2.371	0.1238	0.0833	34	0.68	2%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0003	2.465	0.1900	2.371	0.1238	0.0833	34	0.76	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0098	2.465	0.0500	2.371	0.1238	0.0833	34	0.76	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0139	2.465	0.0300	2.371	0.1238	0.0833	34	0.76	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0407	2.468	0.0114	2.371	0.1238	0.0833	34	0.78	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2381	2.480	0.0800	2.371	0.1238	0.0833	34	0.88	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2383	2.520	0.0600	2.371	0.1238	0.0833	34	1.21	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2395	2.530	0.1000	2.371	0.1238	0.0833	34	1.29	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2156	2.765	0.4100	2.371	0.1238	0.0833	34	3.18	8%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2220	3.545	0.0300	2.371	0.1238	0.0833	34	9.49	25%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0074	2.000	1.000	2.371	0.1238	0.0833	34	-3.00	8%	1
001.99	Loss on Drying, Miscellaneous (%)	2155	0.8000	0.3600	2.353	0.5333	0.1529	7	-2.91	33%	0
001.99	Loss on Drying, Miscellaneous (%)	0510	2.050	0.1000	2.353	0.5333	0.1529	7	-0.57	6%	0
001.99	Loss on Drying, Miscellaneous (%)	0910	2.050	0.3000	2.353	0.5333	0.1529	7	-0.57	6%	0
001.99	Loss on Drying, Miscellaneous (%)	2242	2.650	0.2000	2.353	0.5333	0.1529	7	0.56	6%	0
001.99	Loss on Drying, Miscellaneous (%)	0889	2.665	0.0900	2.353	0.5333	0.1529	7	0.59	7%	0
001.99	Loss on Drying, Miscellaneous (%)	0676	2.720	0.0200	2.353	0.5333	0.1529	7	0.69	8%	0
001.99	Loss on Drying, Miscellaneous (%)	0656	2.780	0.0000	2.353	0.5333	0.1529	7	0.80	9%	0
002.00	Protein, Crude, Crude (%)	0845	9.140	0.0800				1			0
002.01	Protein, Crude, Auto Kjel-Foss (%)	0910	8.900	0.2000	9.217	0.2998	0.0829	7	-1.06	2%	0
002.01	Protein, Crude, Auto Kjel-Foss (%)	0870	8.919	0.0800	9.217	0.2998	0.0829	7	-0.99	2%	0
002.01	Protein, Crude, Auto Kjel-Foss (%)	0619	9.065	0.0300	9.217	0.2998	0.0829	7	-0.51	1%	0
002.01	Protein, Crude, Auto Kjel-Foss (%)	2320	9.270	0.2000	9.217	0.2998	0.0829	7	0.18	0%	0
002.01	Protein, Crude, Auto Kjel-Foss (%)	0164	9.345	0.0700	9.217	0.2998	0.0829	7	0.43	1%	0
002.01	Protein, Crude, Auto Kjel-Foss (%)	0889	9.420	0.0000	9.217	0.2998	0.0829	7	0.68	1%	0
002.01	Protein, Crude, Auto Kjel-Foss (%)	0656	9.600	0.0000	9.217	0.2998	0.0829	7	1.28	2%	0
002.04	Protein, Crude, Copper Catalyst (%)	0504	8.810	0.4800				2			0
002.04	Protein, Crude, Copper Catalyst (%)	2122	9.115	0.0100				2			0
002.05	Protein, Crude, Copper, Boric Acid (%)	2136	9.135	0.0100				2			0
002.05	Protein, Crude, Copper, Boric Acid (%)	2393	9.150	0.1400				2			0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0529	8.095	0.6500	9.068	0.2574	0.2249	65	-3.78	5%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0873	8.300	0.8800	9.068	0.2574	0.2249	65	-2.99	4%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2089	8.445	0.0900	9.068	0.2574	0.2249	65	-2.42	3%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2379	8.475	1.010	9.068	0.2574	0.2249	65	-2.31	3%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2380	8.485	1.070	9.068	0.2574	0.2249	65	-2.27	3%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2382	8.490	0.5600	9.068	0.2574	0.2249	65	-2.25	3%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0958	8.625	0.0500	9.068	0.2574	0.2249	65	-1.72	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0876	8.750	0.1000	9.068	0.2574	0.2249	65	-1.24	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0910	8.750	0.7000	9.068	0.2574	0.2249	65	-1.24	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2395	8.773	0.0898	9.068	0.2574	0.2249	65	-1.15	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0511	8.790	0.0200	9.068	0.2574	0.2249	65	-1.08	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0510	8.800	0.0000	9.068	0.2574	0.2249	65	-1.04	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2408	8.810	0.5800	9.068	0.2574	0.2249	65	-1.00	1%	0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0553	8.821	0.0850	9.068	0.2574	0.2249	65	-0.96	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0027	8.825	0.4810	9.068	0.2574	0.2249	65	-0.95	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2381	8.885	0.3300	9.068	0.2574	0.2249	65	-0.71	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2362	8.890	0.0400	9.068	0.2574	0.2249	65	-0.69	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2383	8.910	0.3600	9.068	0.2574	0.2249	65	-0.62	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0650	8.920	0.0800	9.068	0.2574	0.2249	65	-0.58	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0139	8.934	0.0040	9.068	0.2574	0.2249	65	-0.52	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0065	8.943	0.0750	9.068	0.2574	0.2249	65	-0.49	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0164	8.970	0.0600	9.068	0.2574	0.2249	65	-0.38	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	1022	9.026	0.0460	9.068	0.2574	0.2249	65	-0.16	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0676	9.035	0.1900	9.068	0.2574	0.2249	65	-0.13	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0870	9.041	0.0688	9.068	0.2574	0.2249	65	-0.11	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0880	9.060	0.1800	9.068	0.2574	0.2249	65	-0.03	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2398	9.060	0.0886	9.068	0.2574	0.2249	65	-0.03	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0010	9.068	0.2140	9.068	0.2574	0.2249	65	0.00	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0003	9.072	0.1440	9.068	0.2574	0.2249	65	0.01	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2385	9.080	0.0800	9.068	0.2574	0.2249	65	0.04	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2293	9.087	1.015	9.068	0.2574	0.2249	65	0.07	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2155	9.089	0.0530	9.068	0.2574	0.2249	65	0.08	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0009	9.090	0.1400	9.068	0.2574	0.2249	65	0.08	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2187	9.095	0.0500	9.068	0.2574	0.2249	65	0.10	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2361	9.115	0.1900	9.068	0.2574	0.2249	65	0.18	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2242	9.125	0.3300	9.068	0.2574	0.2249	65	0.22	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0074	9.130	0.0200	9.068	0.2574	0.2249	65	0.24	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0619	9.130	0.0000	9.068	0.2574	0.2249	65	0.24	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	1021	9.138	0.0744	9.068	0.2574	0.2249	65	0.27	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0208	9.175	0.1900	9.068	0.2574	0.2249	65	0.41	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2302	9.175	0.0500	9.068	0.2574	0.2249	65	0.41	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	1020	9.187	0.0984	9.068	0.2574	0.2249	65	0.46	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0504	9.195	0.1100	9.068	0.2574	0.2249	65	0.49	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0047	9.200	0.4000	9.068	0.2574	0.2249	65	0.51	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2396	9.205	0.2569	9.068	0.2574	0.2249	65	0.53	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0171	9.210	0.3000	9.068	0.2574	0.2249	65	0.55	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2124	9.210	0.0400	9.068	0.2574	0.2249	65	0.55	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2252	9.230	0.1200	9.068	0.2574	0.2249	65	0.63	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0242	9.235	0.1100	9.068	0.2574	0.2249	65	0.65	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2232	9.235	0.2300	9.068	0.2574	0.2249	65	0.65	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0914	9.245	0.1300	9.068	0.2574	0.2249	65	0.69	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0407	9.261	0.0650	9.068	0.2574	0.2249	65	0.75	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2207	9.265	0.0500	9.068	0.2574	0.2249	65	0.76	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2220	9.280	0.8200	9.068	0.2574	0.2249	65	0.82	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0417	9.300	0.2400	9.068	0.2574	0.2249	65	0.90	1%	0

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002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0425	9.315	0.1300	9.068	0.2574	0.2249	65	0.96	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2312	9.325	0.2500	9.068	0.2574	0.2249	65	1.00	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0309	9.342	0.0278	9.068	0.2574	0.2249	65	1.06	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	1019	9.345	0.3100	9.068	0.2574	0.2249	65	1.07	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2016	9.375	0.3700	9.068	0.2574	0.2249	65	1.19	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0042	9.400	0.0000	9.068	0.2574	0.2249	65	1.29	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0098	9.420	0.0400	9.068	0.2574	0.2249	65	1.37	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0001	9.426	0.0230	9.068	0.2574	0.2249	65	1.39	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0656	9.470	0.0000	9.068	0.2574	0.2249	65	1.56	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2023	9.530	0.0600	9.068	0.2574	0.2249	65	1.79	3%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2156	8.245	2.090	9.068	0.2574	0.2249	65	-3.20	5%	1
002.08	Protein, Crude, Cu/Ti (%)	0098	9.215	0.0300				1			0
002.10	Protein, Crude, Block dig/distillation (%)	2023	8.700	0.0200				1			0
002.11	Protein, Crude, NIR (%)	2232	11.55	0.0700				1			0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2293	4.045	0.3900	4.548	0.3568	0.3000	4			0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	1020	4.600	0.1200	4.548	0.3568	0.3000	4			0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	1021	4.660	0.0200	4.548	0.3568	0.3000	4			0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	0139	4.885	0.6700	4.548	0.3568	0.3000	4			0
003.01	Fat, Crude, Diethyl Ether Ext (13th ed.), Indirect (%)	0504	0.3050	0.1100				1			0
003.06	Fat, Crude, Pet Ether (%)	2320	0.2850	0.0100	0.9420	1.146	0.0720	5			0
003.06	Fat, Crude, Pet Ether (%)	0425	0.3100	0.0600	0.9420	1.146	0.0720	5			0
003.06	Fat, Crude, Pet Ether (%)	0164	0.4900	0.0200	0.9420	1.146	0.0720	5			0
003.06	Fat, Crude, Pet Ether (%)	0656	0.6500	0.0000	0.9420	1.146	0.0720	5			0
003.06	Fat, Crude, Pet Ether (%)	2396	2.975	0.2700	0.9420	1.146	0.0720	5			0
003.06	Fat, Crude, Pet Ether (%)	2408	3.095	0.9100	0.9420	1.146	0.0720	5			1
003.06	Fat, Crude, Pet Ether (%)	0910	< 0.3		0.9420	1.146	0.0720	5			5
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0098	0.3500	0.0600				1			0
003.10	Fat, Crude, Randall, Pet Ether (%)	2155	0.2910	0.0420	0.3402	0.0449	0.0249	5			0
003.10	Fat, Crude, Randall, Pet Ether (%)	0242	0.3150	0.0100	0.3402	0.0449	0.0249	5			0
003.10	Fat, Crude, Randall, Pet Ether (%)	0870	0.3201	0.0226	0.3402	0.0449	0.0249	5			0
003.10	Fat, Crude, Randall, Pet Ether (%)	0676	0.3800	0.0400	0.3402	0.0449	0.0249	5			0
003.10	Fat, Crude, Randall, Pet Ether (%)	0098	0.3950	0.0100	0.3402	0.0449	0.0249	5			0
003.10	Fat, Crude, Randall, Pet Ether (%)	2232	0.6850	0.3700	0.3402	0.0449	0.0249	5			1
003.11	Fat, Crude, NIR (%)	2232	1.660	0.1200				1			0
003.12	Fat, Crude, Hexane Ext (%)	0171	0.2300	0.0200				1			0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	2136	0.2250	0.0300				3			0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	0098	0.4600	0.1000				3			0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	0870	0.5748	0.0033				3			0
003.14	Fat, Crude, Ankom (%)	0074	0.4100	0.0200	0.5183	0.0865	0.0304	10	-1.25	10%	0
003.14	Fat, Crude, Ankom (%)	0407	0.4372	0.0601	0.5183	0.0865	0.0304	10	-0.94	8%	0
003.14	Fat, Crude, Ankom (%)	2302	0.4600	0.0000	0.5183	0.0865	0.0304	10	-0.67	6%	0
003.14	Fat, Crude, Ankom (%)	0529	0.4750	0.0100	0.5183	0.0865	0.0304	10	-0.50	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			
003.14	Fat, Crude, Ankom (%)	2207	0.5150	0.0100	0.5183	0.0865	0.0304	10	-0.04	0%	0
003.14	Fat, Crude, Ankom (%)	0009	0.5200	0.0400	0.5183	0.0865	0.0304	10	0.02	0%	0
003.14	Fat, Crude, Ankom (%)	0619	0.5380	0.0140	0.5183	0.0865	0.0304	10	0.23	2%	0
003.14	Fat, Crude, Ankom (%)	0510	0.5650	0.0100	0.5183	0.0865	0.0304	10	0.54	5%	0
003.14	Fat, Crude, Ankom (%)	0171	0.6150	0.0500	0.5183	0.0865	0.0304	10	1.12	9%	0
003.14	Fat, Crude, Ankom (%)	2023	1.175	0.0900	0.5183	0.0865	0.0304	10	7.59	63%	0
003.14	Fat, Crude, Ankom (%)	0876	< 0.5		0.5183	0.0865	0.0304	10			5
003.99	Fat, Crude, Miscellaneous (%)	0880	0.6000	0.0000				1			0
003.99	Fat, Crude, Miscellaneous (%)	1019	0.0000	0.0000				1			4
004.00	Fiber, Crude, Asbestos Free (%)	2320	14.30	0.2000	15.56	0.3740	0.3513	10	-3.38	4%	0
004.00	Fiber, Crude, Asbestos Free (%)	0164	15.10	0.2000	15.56	0.3740	0.3513	10	-1.24	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	0171	15.49	0.2800	15.56	0.3740	0.3513	10	-0.20	0%	0
004.00	Fiber, Crude, Asbestos Free (%)	0425	15.50	0.4000	15.56	0.3740	0.3513	10	-0.17	0%	0
004.00	Fiber, Crude, Asbestos Free (%)	0504	15.50	0.2800	15.56	0.3740	0.3513	10	-0.17	0%	0
004.00	Fiber, Crude, Asbestos Free (%)	2312	15.65	0.3000	15.56	0.3740	0.3513	10	0.23	0%	0
004.00	Fiber, Crude, Asbestos Free (%)	0042	15.70	1.000	15.56	0.3740	0.3513	10	0.37	0%	0
004.00	Fiber, Crude, Asbestos Free (%)	0309	15.76	0.0129	15.56	0.3740	0.3513	10	0.52	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	2023	15.81	0.1400	15.56	0.3740	0.3513	10	0.66	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	0208	16.15	0.7000	15.56	0.3740	0.3513	10	1.57	2%	0
004.03	Fiber, Crude, Fritted Glass (%)	2089	14.45	0.1000				1			0
004.06	Fiber, Crude, Fibertec (%)	0676	15.46	0.1700				3			0
004.06	Fiber, Crude, Fibertec (%)	2393	15.87	0.3900				3			0
004.06	Fiber, Crude, Fibertec (%)	0845	16.55	0.0600				3			0
004.07	Fiber, Crude, ANKOM (%)	0510	14.15	0.3000	15.53	0.6059	0.4183	19	-2.28	4%	0
004.07	Fiber, Crude, ANKOM (%)	0074	14.85	0.5800	15.53	0.6059	0.4183	19	-1.13	2%	0
004.07	Fiber, Crude, ANKOM (%)	0009	14.97	0.3200	15.53	0.6059	0.4183	19	-0.93	2%	0
004.07	Fiber, Crude, ANKOM (%)	0870	15.08	0.5133	15.53	0.6059	0.4183	19	-0.74	1%	0
004.07	Fiber, Crude, ANKOM (%)	0028	15.15	0.1000	15.53	0.6059	0.4183	19	-0.63	1%	0
004.07	Fiber, Crude, ANKOM (%)	0407	15.15	0.2251	15.53	0.6059	0.4183	19	-0.63	1%	0
004.07	Fiber, Crude, ANKOM (%)	0529	15.17	0.0200	15.53	0.6059	0.4183	19	-0.60	1%	0
004.07	Fiber, Crude, ANKOM (%)	0656	15.43	0.0000	15.53	0.6059	0.4183	19	-0.17	0%	0
004.07	Fiber, Crude, ANKOM (%)	0003	15.48	0.6000	15.53	0.6059	0.4183	19	-0.09	0%	0
004.07	Fiber, Crude, ANKOM (%)	2302	15.58	0.8100	15.53	0.6059	0.4183	19	0.07	0%	0
004.07	Fiber, Crude, ANKOM (%)	0619	15.60	0.2000	15.53	0.6059	0.4183	19	0.11	0%	0
004.07	Fiber, Crude, ANKOM (%)	2136	15.60	0.2000	15.53	0.6059	0.4183	19	0.11	0%	0
004.07	Fiber, Crude, ANKOM (%)	0876	15.60	0.6000	15.53	0.6059	0.4183	19	0.11	0%	0
004.07	Fiber, Crude, ANKOM (%)	2124	15.65	0.5700	15.53	0.6059	0.4183	19	0.19	0%	0
004.07	Fiber, Crude, ANKOM (%)	2207	15.75	0.3000	15.53	0.6059	0.4183	19	0.36	1%	0
004.07	Fiber, Crude, ANKOM (%)	0553	16.12	0.8700	15.53	0.6059	0.4183	19	0.96	2%	0
004.07	Fiber, Crude, ANKOM (%)	0511	16.45	0.5000	15.53	0.6059	0.4183	19	1.51	3%	0
004.07	Fiber, Crude, ANKOM (%)	0914	16.50	1.000	15.53	0.6059	0.4183	19	1.60	3%	0
004.07	Fiber, Crude, ANKOM (%)	0242	18.21	0.2400	15.53	0.6059	0.4183	19	4.42	9%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
005.00	Ash, 2h @ 600°C (%)	0880	10.44	0.1000	11.42	0.1544	0.1377	53	-6.37	4%	0
005.00	Ash, 2h @ 600°C (%)	2016	10.86	0.7100	11.42	0.1544	0.1377	53	-3.69	2%	0
005.00	Ash, 2h @ 600°C (%)	0042	11.15	0.1000	11.42	0.1544	0.1377	53	-1.78	1%	0
005.00	Ash, 2h @ 600°C (%)	0417	11.16	0.5700	11.42	0.1544	0.1377	53	-1.74	1%	0
005.00	Ash, 2h @ 600°C (%)	0208	11.20	0.0000	11.42	0.1544	0.1377	53	-1.45	1%	0
005.00	Ash, 2h @ 600°C (%)	2232	11.23	0.0500	11.42	0.1544	0.1377	53	-1.29	1%	0
005.00	Ash, 2h @ 600°C (%)	2302	11.23	0.0200	11.42	0.1544	0.1377	53	-1.26	1%	0
005.00	Ash, 2h @ 600°C (%)	0164	11.28	0.0300	11.42	0.1544	0.1377	53	-0.97	1%	0
005.00	Ash, 2h @ 600°C (%)	2242	11.28	0.3000	11.42	0.1544	0.1377	53	-0.93	1%	0
005.00	Ash, 2h @ 600°C (%)	2220	11.29	0.0800	11.42	0.1544	0.1377	53	-0.87	1%	0
005.00	Ash, 2h @ 600°C (%)	0656	11.30	0.0000	11.42	0.1544	0.1377	53	-0.80	1%	0
005.00	Ash, 2h @ 600°C (%)	2396	11.30	0.2000	11.42	0.1544	0.1377	53	-0.80	1%	0
005.00	Ash, 2h @ 600°C (%)	0870	11.32	0.0140	11.42	0.1544	0.1377	53	-0.66	0%	0
005.00	Ash, 2h @ 600°C (%)	0027	11.32	0.0280	11.42	0.1544	0.1377	53	-0.66	0%	0
005.00	Ash, 2h @ 600°C (%)	0309	11.32	0.1210	11.42	0.1544	0.1377	53	-0.65	0%	0
005.00	Ash, 2h @ 600°C (%)	2124	11.33	0.0000	11.42	0.1544	0.1377	53	-0.61	0%	0
005.00	Ash, 2h @ 600°C (%)	0098	11.34	0.0700	11.42	0.1544	0.1377	53	-0.58	0%	0
005.00	Ash, 2h @ 600°C (%)	0650	11.35	0.1000	11.42	0.1544	0.1377	53	-0.48	0%	0
005.00	Ash, 2h @ 600°C (%)	0876	11.35	0.1000	11.42	0.1544	0.1377	53	-0.48	0%	0
005.00	Ash, 2h @ 600°C (%)	2293	11.37	0.0300	11.42	0.1544	0.1377	53	-0.38	0%	0
005.00	Ash, 2h @ 600°C (%)	2122	11.39	0.0700	11.42	0.1544	0.1377	53	-0.25	0%	0
005.00	Ash, 2h @ 600°C (%)	2380	11.40	0.0500	11.42	0.1544	0.1377	53	-0.19	0%	0
005.00	Ash, 2h @ 600°C (%)	2382	11.40	0.0200	11.42	0.1544	0.1377	53	-0.16	0%	0
005.00	Ash, 2h @ 600°C (%)	0504	11.41	0.1700	11.42	0.1544	0.1377	53	-0.12	0%	0
005.00	Ash, 2h @ 600°C (%)	2312	11.41	0.0100	11.42	0.1544	0.1377	53	-0.12	0%	0
005.00	Ash, 2h @ 600°C (%)	2320	11.42	0.0100	11.42	0.1544	0.1377	53	-0.06	0%	0
005.00	Ash, 2h @ 600°C (%)	0553	11.43	0.1800	11.42	0.1544	0.1377	53	0.04	0%	0
005.00	Ash, 2h @ 600°C (%)	2362	11.44	0.2400	11.42	0.1544	0.1377	53	0.10	0%	0
005.00	Ash, 2h @ 600°C (%)	2393	11.44	0.0600	11.42	0.1544	0.1377	53	0.10	0%	0
005.00	Ash, 2h @ 600°C (%)	0047	11.45	0.1000	11.42	0.1544	0.1377	53	0.17	0%	0
005.00	Ash, 2h @ 600°C (%)	0001	11.45	0.1690	11.42	0.1544	0.1377	53	0.19	0%	0
005.00	Ash, 2h @ 600°C (%)	0873	11.48	0.0300	11.42	0.1544	0.1377	53	0.33	0%	0
005.00	Ash, 2h @ 600°C (%)	2395	11.48	0.3400	11.42	0.1544	0.1377	53	0.36	0%	0
005.00	Ash, 2h @ 600°C (%)	0171	11.49	0.0000	11.42	0.1544	0.1377	53	0.43	0%	0
005.00	Ash, 2h @ 600°C (%)	2156	11.50	0.4100	11.42	0.1544	0.1377	53	0.46	0%	0
005.00	Ash, 2h @ 600°C (%)	2379	11.50	0.0200	11.42	0.1544	0.1377	53	0.49	0%	0
005.00	Ash, 2h @ 600°C (%)	2408	11.51	0.0600	11.42	0.1544	0.1377	53	0.56	0%	0
005.00	Ash, 2h @ 600°C (%)	0510	11.53	0.0700	11.42	0.1544	0.1377	53	0.65	0%	0
005.00	Ash, 2h @ 600°C (%)	1021	11.55	0.1300	11.42	0.1544	0.1377	53	0.78	1%	0
005.00	Ash, 2h @ 600°C (%)	0529	11.55	0.8000	11.42	0.1544	0.1377	53	0.81	1%	0
005.00	Ash, 2h @ 600°C (%)	2207	11.55	0.0000	11.42	0.1544	0.1377	53	0.81	1%	0
005.00	Ash, 2h @ 600°C (%)	0425	11.56	0.3800	11.42	0.1544	0.1377	53	0.88	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			
005.00	Ash, 2h @ 600°C (%)	2089	11.56	0.1400	11.42	0.1544	0.1377	53	0.88	1%	0
005.00	Ash, 2h @ 600°C (%)	2385	11.56	0.0200	11.42	0.1544	0.1377	53	0.88	1%	0
005.00	Ash, 2h @ 600°C (%)	2383	11.57	0.0100	11.42	0.1544	0.1377	53	0.91	1%	0
005.00	Ash, 2h @ 600°C (%)	0914	11.58	0.0900	11.42	0.1544	0.1377	53	0.98	1%	0
005.00	Ash, 2h @ 600°C (%)	2384	11.60	0.0700	11.42	0.1544	0.1377	53	1.11	1%	0
005.00	Ash, 2h @ 600°C (%)	0407	11.60	0.6246	11.42	0.1544	0.1377	53	1.16	1%	0
005.00	Ash, 2h @ 600°C (%)	2361	11.61	0.1800	11.42	0.1544	0.1377	53	1.20	1%	0
005.00	Ash, 2h @ 600°C (%)	2381	11.62	0.0100	11.42	0.1544	0.1377	53	1.23	1%	0
005.00	Ash, 2h @ 600°C (%)	2252	11.63	0.0700	11.42	0.1544	0.1377	53	1.30	1%	0
005.00	Ash, 2h @ 600°C (%)	0242	11.75	0.1000	11.42	0.1544	0.1377	53	2.11	1%	0
005.00	Ash, 2h @ 600°C (%)	1020	11.87	0.0400	11.42	0.1544	0.1377	53	2.89	2%	0
005.00	Ash, 2h @ 600°C (%)	1019	9.695	3.430	11.42	0.1544	0.1377	53	-11.20	8%	2
005.03	Ash, Microwave furnace (%)	0511	10.80	0.0000				2			0
005.03	Ash, Microwave furnace (%)	2187	11.52	0.0400				2			0
005.05	Ash, 3h @ 550°C (%)	0889	11.18	0.0800	11.54	0.2961	0.1504	7	-1.20	2%	0
005.05	Ash, 3h @ 550°C (%)	0003	11.29	0.0700	11.54	0.2961	0.1504	7	-0.85	1%	0
005.05	Ash, 3h @ 550°C (%)	0845	11.47	0.4200	11.54	0.2961	0.1504	7	-0.22	0%	0
005.05	Ash, 3h @ 550°C (%)	2136	11.50	0.0000	11.54	0.2961	0.1504	7	-0.12	0%	0
005.05	Ash, 3h @ 550°C (%)	2398	11.64	0.0100	11.54	0.2961	0.1504	7	0.33	0%	0
005.05	Ash, 3h @ 550°C (%)	0619	11.75	0.1000	11.54	0.2961	0.1504	7	0.72	1%	0
005.05	Ash, 3h @ 550°C (%)	0065	11.93	0.3725	11.54	0.2961	0.1504	7	1.34	2%	0
005.11	Ash, NIR (%)	2232	3.210	0.0600				1			0
005.99	Ash, Miscellaneous (%)	2023	11.06	0.1100	11.43	0.2300	0.0760	5			0
005.99	Ash, Miscellaneous (%)	0676	11.40	0.0400	11.43	0.2300	0.0760	5			0
005.99	Ash, Miscellaneous (%)	0910	11.50	0.2000	11.43	0.2300	0.0760	5			0
005.99	Ash, Miscellaneous (%)	1022	11.53	0.0200	11.43	0.2300	0.0760	5			0
005.99	Ash, Miscellaneous (%)	0139	11.67	0.0100	11.43	0.2300	0.0760	5			0
006.00	Total Sugars, As sucrose (%)	0910	26.30	2.200				2			0
006.00	Total Sugars, As sucrose (%)	0407	34.59	0.4440				2			0
006.99	Total Sugars, Miscellaneous (%)	2136	31.35	0.5000				1			0
008.02	Fiber, Acid Detergent, Crucible (%)	0676	18.65	0.4900				2			0
008.02	Fiber, Acid Detergent, Crucible (%)	0504	19.88	0.0200				2			0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0870	18.30	0.0343	19.40	1.129	0.1358	8	-0.98	3%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0042	18.30	0.2000	19.40	1.129	0.1358	8	-0.98	3%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0889	18.76	0.0700	19.40	1.129	0.1358	8	-0.57	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	2302	19.15	0.2300	19.40	1.129	0.1358	8	-0.23	1%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0001	19.31	0.0810	19.40	1.129	0.1358	8	-0.08	0%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0511	20.10	0.2000	19.40	1.129	0.1358	8	0.62	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0407	20.21	0.0708	19.40	1.129	0.1358	8	0.72	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0164	21.30	0.2000	19.40	1.129	0.1358	8	1.68	5%	0
008.99	Fiber, Acid Detergent, Miscellaneous (%)	0910	19.83	0.3400				1			0
009.04	Fiber, Neutral Detergent, Neutral Det-No ENZ Pretreat (%)	0504	25.79	0.2400				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			
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat (%)	0676	25.21	1.020				1			0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0889	21.51	0.1200	25.13	2.449	0.1566	4			0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0164	25.90	0.2000	25.13	2.449	0.1566	4			0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0870	26.23	0.1365	25.13	2.449	0.1566	4			0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	2302	26.89	0.1700	25.13	2.449	0.1566	4			0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0407	24.99	1.260	25.13	2.449	0.1566	4			1
009.99	Fiber, Neutral Detergent, Miscellaneous (%)	0910	24.95	0.1000				1			0
010.03	Moisture, Karl-Fischer (%)	0164	2.280	0.0400				1			0
010.11	Moisture, NIR (%)	2232	4.870	0.1000				1			0
010.99	Moisture, Miscellaneous (%)	2089	2.195	0.0100				3			0
010.99	Moisture, Miscellaneous (%)	2320	2.725	0.0100				3			0
010.99	Moisture, Miscellaneous (%)	0914	2.745	0.2100				3			0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2016	2.950	0.6200	4.870	0.8393	0.3247	17	-2.29	20%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0047	3.800	0.2000	4.870	0.8393	0.3247	17	-1.27	11%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0208	3.855	0.2900	4.870	0.8393	0.3247	17	-1.21	10%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0098	4.050	0.1600	4.870	0.8393	0.3247	17	-0.98	8%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0425	4.425	0.0100	4.870	0.8393	0.3247	17	-0.53	5%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0870	4.746	0.2217	4.870	0.8393	0.3247	17	-0.15	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2312	4.765	0.2700	4.870	0.8393	0.3247	17	-0.12	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0164	4.860	0.0800	4.870	0.8393	0.3247	17	-0.01	0%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2207	5.050	0.1000	4.870	0.8393	0.3247	17	0.21	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0171	5.070	1.140	4.870	0.8393	0.3247	17	0.24	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2232	5.120	0.2400	4.870	0.8393	0.3247	17	0.30	3%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2302	5.120	0.0200	4.870	0.8393	0.3247	17	0.30	3%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0553	5.200	0.1000	4.870	0.8393	0.3247	17	0.39	3%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0242	5.355	0.1900	4.870	0.8393	0.3247	17	0.58	5%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0511	5.500	0.5400	4.870	0.8393	0.3247	17	0.75	6%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0407	6.258	0.0087	4.870	0.8393	0.3247	17	1.65	14%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0880	11.99	1.330	4.870	0.8393	0.3247	17	8.48	73%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	1019	5.330	6.800	4.870	0.8393	0.3247	17	0.55	5%	1
011.02	Loss on Drying, HT, 130°C for 2 hours (%)	0529	4.365	0.0500				3			0
011.02	Loss on Drying, HT, 130°C for 2 hours (%)	0417	4.515	0.6300				3			0
011.02	Loss on Drying, HT, 130°C for 2 hours (%)	2023	5.190	0.1600				3			0
012.00	Starch, Polarimetric (Ewers) (%)	2023	1.350	0.1000				1			0
012.00	Starch, Polarimetric (Ewers) (%)	0619	0.0000	0.0000				1			4
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	0676	0.6100	0.0000	1.172	0.6390	0.0213	4			0
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	0407	0.7132	0.0042	1.172	0.6390	0.0213	4			0
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	0870	1.385	0.0409	1.172	0.6390	0.0213	4			0
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	2242	1.980	0.0400	1.172	0.6390	0.0213	4			0
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	0164	0.5000	0.2000	1.172	0.6390	0.0213	4			1
012.03	Starch, Enzymatic-Colorimetric Method, Miscellaneous (%)	0407	0.9296	0.0726				1			0
012.04	Starch, Enzymatic-Enzyme Membrane Technology (YSI) (0510	1.050	0.3000				1			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
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013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0242	1.045	0.0700	2.828	1.775	0.2385	13	-1.01	32%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0910	1.045	0.4500	2.828	1.775	0.2385	13	-1.01	32%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2187	1.175	0.0100	2.828	1.775	0.2385	13	-0.93	29%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0650	1.250	0.0800	2.828	1.775	0.2385	13	-0.89	28%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2393	1.250	0.0800	2.828	1.775	0.2385	13	-0.89	28%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2023	1.835	0.0100	2.828	1.775	0.2385	13	-0.56	18%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2220	3.580	0.0200	2.828	1.775	0.2385	13	0.42	13%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2395	3.735	0.0100	2.828	1.775	0.2385	13	0.51	16%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2089	3.900	0.1600	2.828	1.775	0.2385	13	0.60	19%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2361	3.960	0.0800	2.828	1.775	0.2385	13	0.64	20%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2252	4.165	0.8700	2.828	1.775	0.2385	13	0.75	24%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2156	4.840	1.160	2.828	1.775	0.2385	13	1.13	36%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2398	4.990	0.1000	2.828	1.775	0.2385	13	1.22	38%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2016	4.185	1.790	2.828	1.775	0.2385	13	0.76	24%	1
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0914	2.745	0.3700	3.943	0.8163	0.2154	19	-1.47	15%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0870	2.906	0.1395	3.943	0.8163	0.2154	19	-1.27	13%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	2122	2.980	0.3400	3.943	0.8163	0.2154	19	-1.18	12%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0098	3.160	0.0400	3.943	0.8163	0.2154	19	-0.96	10%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0676	3.510	0.0600	3.943	0.8163	0.2154	19	-0.53	5%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0208	3.575	0.1900	3.943	0.8163	0.2154	19	-0.45	5%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	2384	3.665	0.4700	3.943	0.8163	0.2154	19	-0.34	4%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	2383	3.720	0.0400	3.943	0.8163	0.2154	19	-0.27	3%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	2379	3.865	0.4300	3.943	0.8163	0.2154	19	-0.10	1%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	2385	4.005	0.1900	3.943	0.8163	0.2154	19	0.08	1%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	2380	4.035	0.5700	3.943	0.8163	0.2154	19	0.11	1%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	2381	4.055	0.1700	3.943	0.8163	0.2154	19	0.14	1%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0065	4.118	0.0150	3.943	0.8163	0.2154	19	0.21	2%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0164	4.225	0.0500	3.943	0.8163	0.2154	19	0.35	4%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0873	4.390	0.4800	3.943	0.8163	0.2154	19	0.55	6%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	2382	4.775	0.2500	3.943	0.8163	0.2154	19	1.02	11%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0171	4.955	0.1900	3.943	0.8163	0.2154	19	1.24	13%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	2312	5.070	0.0200	3.943	0.8163	0.2154	19	1.38	14%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0407	5.625	0.0780	3.943	0.8163	0.2154	19	2.06	21%	0
013.10	Fat, Acid Pretreat, Soxtec-Acid Hydrolysis (%)	2124	0.7000	0.1400				2			0
013.10	Fat, Acid Pretreat, Soxtec-Acid Hydrolysis (%)	0042	5.915	0.2100				2			0
013.13	Fat, Acid Pretreat, Ankom- Acid Hydrolysis (%)	0511	2.520	0.2600				2			0
013.13	Fat, Acid Pretreat, Ankom- Acid Hydrolysis (%)	0407	4.987	0.3240				2			0
014.01	Fiber, Total Dietary, Enz-Grav (%)	0164	33.05	0.3000				1			0
015.41	Aluminum, ICP, Dry ash (ppm)	0407	94.73	0.7896				3			0
015.41	Aluminum, ICP, Dry ash (ppm)	0164	109.5	5.000				3			0
015.41	Aluminum, ICP, Dry ash (ppm)	0171	144.9	2.900				3			0
015.43	Aluminum, ICP, Microwave (ppm)	0510	85.00	0.0000				3			0

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015.43	Aluminum, ICP, Microwave (ppm)	0407	85.41	0.7569				3			0
015.43	Aluminum, ICP, Microwave (ppm)	0425	93.19	1.135				3			0
015.53	Aluminum, ICP-MS, Microwave (ppm)	0407	93.10	0.8375				2			0
015.53	Aluminum, ICP-MS, Microwave (ppm)	0553	104.5	1.000				2			0
017.41	Boron, ICP, Dry ash (ppm)	0407	15.68	0.4563				1			0
017.43	Boron, ICP, Microwave (ppm)	0510	13.50	1.000				2			0
017.43	Boron, ICP, Microwave (ppm)	0407	14.55	1.083				2			0
017.53	Boron, ICP-MS, Microwave (ppm)	0407	14.87	0.5480				2			0
017.53	Boron, ICP-MS, Microwave (ppm)	0553	19.40	1.600				2			0
019.00	Calcium, Ox-Mn04 Vol. (%)	2302	0.8600	0.0200				1			0
019.31	Calcium, AAS, Dry ash (%)	0001	0.8772	0.0076				3			0
019.31	Calcium, AAS, Dry ash (%)	0529	0.8900	0.0600				3			0
019.31	Calcium, AAS, Dry ash (%)	0656	0.8900	0.0000				3			0
019.41	Calcium, ICP, Dry ash (%)	2398	0.8000	0.0200	0.8213	0.0181	0.0112	9	-1.18	1%	0
019.41	Calcium, ICP, Dry ash (%)	0098	0.8050	0.0100	0.8213	0.0181	0.0112	9	-0.90	1%	0
019.41	Calcium, ICP, Dry ash (%)	0619	0.8135	0.0070	0.8213	0.0181	0.0112	9	-0.43	0%	0
019.41	Calcium, ICP, Dry ash (%)	0171	0.8150	0.0100	0.8213	0.0181	0.0112	9	-0.35	0%	0
019.41	Calcium, ICP, Dry ash (%)	1020	0.8150	0.0300	0.8213	0.0181	0.0112	9	-0.35	0%	0
019.41	Calcium, ICP, Dry ash (%)	0164	0.8250	0.0020	0.8213	0.0181	0.0112	9	0.20	0%	0
019.41	Calcium, ICP, Dry ash (%)	1021	0.8300	0.0000	0.8213	0.0181	0.0112	9	0.48	1%	0
019.41	Calcium, ICP, Dry ash (%)	0074	0.8400	0.0200	0.8213	0.0181	0.0112	9	1.03	1%	0
019.41	Calcium, ICP, Dry ash (%)	0407	0.8531	0.0014	0.8213	0.0181	0.0112	9	1.76	2%	0
019.41	Calcium, ICP, Dry ash (%)	0910	0.8450	0.0900	0.8213	0.0181	0.0112	9	1.31	1%	1
019.42	Calcium, ICP, Open vessel (%)	0870	0.8333	0.0165				3			0
019.42	Calcium, ICP, Open vessel (%)	0009	0.8500	0.0207				3			0
019.42	Calcium, ICP, Open vessel (%)	2207	0.9100	0.0200				3			0
019.43	Calcium, ICP, Microwave (%)	0510	0.7650	0.0100	0.8374	0.0371	0.0095	14	-1.95	4%	0
019.43	Calcium, ICP, Microwave (%)	2187	0.7687	0.0058	0.8374	0.0371	0.0095	14	-1.85	4%	0
019.43	Calcium, ICP, Microwave (%)	0042	0.8000	0.0140	0.8374	0.0371	0.0095	14	-1.01	2%	0
019.43	Calcium, ICP, Microwave (%)	2023	0.8155	0.0090	0.8374	0.0371	0.0095	14	-0.59	1%	0
019.43	Calcium, ICP, Microwave (%)	0407	0.8210	0.0058	0.8374	0.0371	0.0095	14	-0.44	1%	0
019.43	Calcium, ICP, Microwave (%)	0511	0.8350	0.0100	0.8374	0.0371	0.0095	14	-0.06	0%	0
019.43	Calcium, ICP, Microwave (%)	2033	0.8350	0.0100	0.8374	0.0371	0.0095	14	-0.06	0%	0
019.43	Calcium, ICP, Microwave (%)	0425	0.8550	0.0100	0.8374	0.0371	0.0095	14	0.47	1%	0
019.43	Calcium, ICP, Microwave (%)	0027	0.8595	0.0030	0.8374	0.0371	0.0095	14	0.59	1%	0
019.43	Calcium, ICP, Microwave (%)	0098	0.8600	0.0000	0.8374	0.0371	0.0095	14	0.61	1%	0
019.43	Calcium, ICP, Microwave (%)	0010	0.8650	0.0100	0.8374	0.0371	0.0095	14	0.74	2%	0
019.43	Calcium, ICP, Microwave (%)	0870	0.8668	0.0246	0.8374	0.0371	0.0095	14	0.79	2%	0
019.43	Calcium, ICP, Microwave (%)	2136	0.8725	0.0110	0.8374	0.0371	0.0095	14	0.94	2%	0
019.43	Calcium, ICP, Microwave (%)	2124	0.8750	0.0100	0.8374	0.0371	0.0095	14	1.01	2%	0
019.43	Calcium, ICP, Microwave (%)	2089	0.8600	0.0600	0.8374	0.0371	0.0095	14	0.61	1%	1
019.44	Calcium, ICP, Dry ash (%)	0873	0.7600	0.0400	0.8254	0.0189	0.0158	21	-3.47	4%	0

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019.44	Calcium, ICP, Dry ash (%)	2382	0.7950	0.0100	0.8254	0.0189	0.0158	21	-1.61	2%	0
019.44	Calcium, ICP, Dry ash (%)	2408	0.7965	0.0210	0.8254	0.0189	0.0158	21	-1.53	2%	0
019.44	Calcium, ICP, Dry ash (%)	0065	0.8150	0.0100	0.8254	0.0189	0.0158	21	-0.55	1%	0
019.44	Calcium, ICP, Dry ash (%)	2220	0.8150	0.0100	0.8254	0.0189	0.0158	21	-0.55	1%	0
019.44	Calcium, ICP, Dry ash (%)	2362	0.8150	0.0100	0.8254	0.0189	0.0158	21	-0.55	1%	0
019.44	Calcium, ICP, Dry ash (%)	2385	0.8150	0.0100	0.8254	0.0189	0.0158	21	-0.55	1%	0
019.44	Calcium, ICP, Dry ash (%)	2395	0.8150	0.0500	0.8254	0.0189	0.0158	21	-0.55	1%	0
019.44	Calcium, ICP, Dry ash (%)	2156	0.8200	0.0000	0.8254	0.0189	0.0158	21	-0.29	0%	0
019.44	Calcium, ICP, Dry ash (%)	2252	0.8220	0.0260	0.8254	0.0189	0.0158	21	-0.18	0%	0
019.44	Calcium, ICP, Dry ash (%)	2361	0.8300	0.0200	0.8254	0.0189	0.0158	21	0.24	0%	0
019.44	Calcium, ICP, Dry ash (%)	2380	0.8300	0.0000	0.8254	0.0189	0.0158	21	0.24	0%	0
019.44	Calcium, ICP, Dry ash (%)	1022	0.8350	0.0100	0.8254	0.0189	0.0158	21	0.51	1%	0
019.44	Calcium, ICP, Dry ash (%)	2379	0.8350	0.0100	0.8254	0.0189	0.0158	21	0.51	1%	0
019.44	Calcium, ICP, Dry ash (%)	2383	0.8350	0.0100	0.8254	0.0189	0.0158	21	0.51	1%	0
019.44	Calcium, ICP, Dry ash (%)	2114	0.8355	0.0061	0.8254	0.0189	0.0158	21	0.53	1%	0
019.44	Calcium, ICP, Dry ash (%)	2396	0.8395	0.0010	0.8254	0.0189	0.0158	21	0.75	1%	0
019.44	Calcium, ICP, Dry ash (%)	2381	0.8400	0.0200	0.8254	0.0189	0.0158	21	0.77	1%	0
019.44	Calcium, ICP, Dry ash (%)	2384	0.8400	0.0200	0.8254	0.0189	0.0158	21	0.77	1%	0
019.44	Calcium, ICP, Dry ash (%)	2293	0.8520	0.0180	0.8254	0.0189	0.0158	21	1.41	2%	0
019.44	Calcium, ICP, Dry ash (%)	2232	0.8760	0.0300	0.8254	0.0189	0.0158	21	2.68	3%	0
019.52	Calcium, ICP-MS, Open vessel (%)	0047	0.9990	0.0020				1			0
019.53	Calcium, ICP-MS, Microwave (%)	0553	0.8115	0.1310				2			0
019.53	Calcium, ICP-MS, Microwave (%)	0407	0.8217	0.0107				2			0
019.99	Calcium, Miscellaneous (%)	0242	0.7600	0.0200				3			0
019.99	Calcium, Miscellaneous (%)	2302	0.8100	0.0000				3			0
019.99	Calcium, Miscellaneous (%)	0676	0.8300	0.0200				3			0
021.41	Cobalt, ICP, Dry ash (ppm)	0619	0.6205	0.0010	0.7839	0.1461	0.0086	5			0
021.41	Cobalt, ICP, Dry ash (ppm)	0164	0.7000	0.0000	0.7839	0.1461	0.0086	5			0
021.41	Cobalt, ICP, Dry ash (ppm)	0910	0.7650	0.0100	0.7839	0.1461	0.0086	5			0
021.41	Cobalt, ICP, Dry ash (ppm)	0171	0.8280	0.0060	0.7839	0.1461	0.0086	5			0
021.41	Cobalt, ICP, Dry ash (ppm)	0407	1.006	0.0258	0.7839	0.1461	0.0086	5			0
021.42	Cobalt, ICP, Open vessel (ppm)	0042	0.7960	0.1200				1			0
021.43	Cobalt, ICP, Microwave (ppm)	0510	0.9250	0.0100				2			0
021.43	Cobalt, ICP, Microwave (ppm)	0407	1.009	0.0399				2			0
021.52	Cobalt, ICP-MS, Open vessel (ppm)	0047	0.6270	0.0500				2			0
021.52	Cobalt, ICP-MS, Open vessel (ppm)	2207	0.7000	0.0000				2			0
021.53	Cobalt, ICP-MS, Microwave (ppm)	2136	0.8450	0.0180				3			0
021.53	Cobalt, ICP-MS, Microwave (ppm)	0553	0.9200	0.0220				3			0
021.53	Cobalt, ICP-MS, Microwave (ppm)	0407	0.9703	0.0779				3			0
022.31	Copper, AAS, Dry ash (ppm)	0529	9.000	2.000				1			0
022.31	Copper, AAS, Dry ash (ppm)	0656	< 10.1					1			5
022.33	Copper, AAS, Microwave (ppm)	0010	7.950	0.1000				1			0

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022.41	Copper, ICP, Dry ash (ppm)	0074	7.000	0.0000	7.586	0.6661	0.2465	6	-0.88	4%	0
022.41	Copper, ICP, Dry ash (ppm)	0407	7.145	0.2992	7.586	0.6661	0.2465	6	-0.66	3%	0
022.41	Copper, ICP, Dry ash (ppm)	0164	7.150	0.1000	7.586	0.6661	0.2465	6	-0.65	3%	0
022.41	Copper, ICP, Dry ash (ppm)	0171	7.810	0.2800	7.586	0.6661	0.2465	6	0.34	1%	0
022.41	Copper, ICP, Dry ash (ppm)	0098	7.905	0.0300	7.586	0.6661	0.2465	6	0.48	2%	0
022.41	Copper, ICP, Dry ash (ppm)	0619	8.505	0.7700	7.586	0.6661	0.2465	6	1.38	6%	0
022.42	Copper, ICP, Open vessel (ppm)	0870	6.750	0.1970				3			0
022.42	Copper, ICP, Open vessel (ppm)	2207	8.000	0.0000				3			0
022.42	Copper, ICP, Open vessel (ppm)	0009	8.500	1.000				3			0
022.43	Copper, ICP, Microwave (ppm)	0425	4.700	0.0400	7.033	1.153	0.3932	11	-2.02	17%	0
022.43	Copper, ICP, Microwave (ppm)	2023	5.950	0.1000	7.033	1.153	0.3932	11	-0.94	8%	0
022.43	Copper, ICP, Microwave (ppm)	0511	6.500	1.000	7.033	1.153	0.3932	11	-0.46	4%	0
022.43	Copper, ICP, Microwave (ppm)	0407	6.571	0.6266	7.033	1.153	0.3932	11	-0.40	3%	0
022.43	Copper, ICP, Microwave (ppm)	0098	6.720	0.0800	7.033	1.153	0.3932	11	-0.27	2%	0
022.43	Copper, ICP, Microwave (ppm)	0870	6.945	0.1690	7.033	1.153	0.3932	11	-0.08	1%	0
022.43	Copper, ICP, Microwave (ppm)	0510	7.000	0.0000	7.033	1.153	0.3932	11	-0.03	0%	0
022.43	Copper, ICP, Microwave (ppm)	2033	7.450	0.1000	7.033	1.153	0.3932	11	0.36	3%	0
022.43	Copper, ICP, Microwave (ppm)	2124	7.755	0.2500	7.033	1.153	0.3932	11	0.63	5%	0
022.43	Copper, ICP, Microwave (ppm)	2089	8.410	0.5600	7.033	1.153	0.3932	11	1.19	10%	0
022.43	Copper, ICP, Microwave (ppm)	0042	21.00	1.400	7.033	1.153	0.3932	11	12.12	99%	0
022.44	Copper, ICP, Dry ash (ppm)	2320	4.805	0.4700				3			0
022.44	Copper, ICP, Dry ash (ppm)	0910	7.500	1.000				3			0
022.44	Copper, ICP, Dry ash (ppm)	2114	13.35	0.2845				3			0
022.52	Copper, ICP-MS, Open vessel (ppm)	0047	5.970	0.2800				1			0
022.53	Copper, ICP-MS, Microwave (ppm)	2136	6.520	0.1400				3			0
022.53	Copper, ICP-MS, Microwave (ppm)	0407	6.679	0.2167				3			0
022.53	Copper, ICP-MS, Microwave (ppm)	0553	8.105	1.610				3			0
022.99	Copper, Miscellaneous (ppm)	0242	7.500	1.000				2			0
022.99	Copper, Miscellaneous (ppm)	2302	191.7	0.0000				2			0
023.01	Fluorine, Ion Sel Elect (ppm)	2033	< 5					0			5
024.53	Iodine, ICP-MS, Microwave (ppm)	2023	0.1850	0.0100				1			0
025.31	Iron, AAS, Dry ash (ppm)	0529	254.5	2.200				3			0
025.31	Iron, AAS, Dry ash (ppm)	0656	264.5	0.0000				3			0
025.31	Iron, AAS, Dry ash (ppm)	0001	272.3	15.30				3			0
025.41	Iron, ICP, Dry ash (ppm)	0407	253.3	7.725	264.3	11.78	7.162	8	-0.93	2%	0
025.41	Iron, ICP, Dry ash (ppm)	0098	253.4	1.500	264.3	11.78	7.162	8	-0.93	2%	0
025.41	Iron, ICP, Dry ash (ppm)	0164	260.0	0.0000	264.3	11.78	7.162	8	-0.36	1%	0
025.41	Iron, ICP, Dry ash (ppm)	0910	260.0	20.00	264.3	11.78	7.162	8	-0.36	1%	0
025.41	Iron, ICP, Dry ash (ppm)	0619	260.2	7.300	264.3	11.78	7.162	8	-0.35	1%	0
025.41	Iron, ICP, Dry ash (ppm)	0074	269.5	1.000	264.3	11.78	7.162	8	0.44	1%	0
025.41	Iron, ICP, Dry ash (ppm)	0171	278.6	1.000	264.3	11.78	7.162	8	1.22	3%	0
025.41	Iron, ICP, Dry ash (ppm)	2114	279.4	18.77	264.3	11.78	7.162	8	1.28	3%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
025.42	Iron, ICP, Open vessel (ppm)	0870	261.0	11.80				2			0
025.42	Iron, ICP, Open vessel (ppm)	2207	267.0	2.000				2			0
025.43	Iron, ICP, Microwave (ppm)	0425	3.190	0.0000	258.7	17.86	5.682	11	-14.31	49%	0
025.43	Iron, ICP, Microwave (ppm)	0511	239.5	13.00	258.7	17.86	5.682	11	-1.08	4%	0
025.43	Iron, ICP, Microwave (ppm)	0407	248.9	3.079	258.7	17.86	5.682	11	-0.55	2%	0
025.43	Iron, ICP, Microwave (ppm)	2033	250.0	0.0000	258.7	17.86	5.682	11	-0.49	2%	0
025.43	Iron, ICP, Microwave (ppm)	0510	258.0	2.000	258.7	17.86	5.682	11	-0.04	0%	0
025.43	Iron, ICP, Microwave (ppm)	2136	258.5	3.000	258.7	17.86	5.682	11	-0.01	0%	0
025.43	Iron, ICP, Microwave (ppm)	2023	263.5	3.000	258.7	17.86	5.682	11	0.27	1%	0
025.43	Iron, ICP, Microwave (ppm)	0870	263.9	15.20	258.7	17.86	5.682	11	0.29	1%	0
025.43	Iron, ICP, Microwave (ppm)	0098	268.2	4.800	258.7	17.86	5.682	11	0.53	2%	0
025.43	Iron, ICP, Microwave (ppm)	2124	277.8	4.850	258.7	17.86	5.682	11	1.07	4%	0
025.43	Iron, ICP, Microwave (ppm)	2089	450.1	13.57	258.7	17.86	5.682	11	10.71	37%	0
025.52	Iron, ICP-MS, Open vessel (ppm)	0047	276.8	4.500				1			0
025.53	Iron, ICP-MS, Microwave (ppm)	0407	252.0	2.324				2			0
025.53	Iron, ICP-MS, Microwave (ppm)	0553	257.0	6.000				2			0
025.99	Iron, Miscellaneous (ppm)	2302	189.0	0.0000				2			0
025.99	Iron, Miscellaneous (ppm)	0242	246.5	5.000				2			0
027.31	Magnesium, AAS, Dry ash (%)	0529	0.3100	0.1000				3			0
027.31	Magnesium, AAS, Dry ash (%)	0001	0.3684	0.0014				3			0
027.31	Magnesium, AAS, Dry ash (%)	0656	0.4100	0.0000				3			0
027.41	Magnesium, ICP, Dry ash (%)	0407	0.3519	0.0069	0.3857	0.0165	0.0060	10	-2.05	4%	0
027.41	Magnesium, ICP, Dry ash (%)	0098	0.3650	0.0100	0.3857	0.0165	0.0060	10	-1.25	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0910	0.3800	0.0200	0.3857	0.0165	0.0060	10	-0.35	1%	0
027.41	Magnesium, ICP, Dry ash (%)	1020	0.3830	0.0060	0.3857	0.0165	0.0060	10	-0.17	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0164	0.3870	0.0060	0.3857	0.0165	0.0060	10	0.08	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0619	0.3875	0.0010	0.3857	0.0165	0.0060	10	0.11	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0074	0.3900	0.0000	0.3857	0.0165	0.0060	10	0.26	1%	0
027.41	Magnesium, ICP, Dry ash (%)	1021	0.3975	0.0010	0.3857	0.0165	0.0060	10	0.71	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0171	0.3980	0.0020	0.3857	0.0165	0.0060	10	0.74	2%	0
027.41	Magnesium, ICP, Dry ash (%)	2232	0.4085	0.0070	0.3857	0.0165	0.0060	10	1.38	3%	0
027.42	Magnesium, ICP, Open vessel (%)	0870	0.3812	0.0063				3			0
027.42	Magnesium, ICP, Open vessel (%)	0009	0.3999	0.0182				3			0
027.42	Magnesium, ICP, Open vessel (%)	2207	0.4150	0.0100				3			0
027.43	Magnesium, ICP, Microwave (%)	0407	0.3330	0.0039	0.3777	0.0220	0.0090	14	-2.04	6%	0
027.43	Magnesium, ICP, Microwave (%)	0510	0.3500	0.0000	0.3777	0.0220	0.0090	14	-1.26	4%	0
027.43	Magnesium, ICP, Microwave (%)	0511	0.3550	0.0100	0.3777	0.0220	0.0090	14	-1.03	3%	0
027.43	Magnesium, ICP, Microwave (%)	2187	0.3573	0.0008	0.3777	0.0220	0.0090	14	-0.93	3%	0
027.43	Magnesium, ICP, Microwave (%)	2023	0.3700	0.0120	0.3777	0.0220	0.0090	14	-0.35	1%	0
027.43	Magnesium, ICP, Microwave (%)	0042	0.3720	0.0120	0.3777	0.0220	0.0090	14	-0.26	1%	0
027.43	Magnesium, ICP, Microwave (%)	0870	0.3835	0.0130	0.3777	0.0220	0.0090	14	0.26	1%	0
027.43	Magnesium, ICP, Microwave (%)	0425	0.3881	0.0028	0.3777	0.0220	0.0090	14	0.47	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			
027.43	Magnesium, ICP, Microwave (%)	0027	0.3890	0.0020	0.3777	0.0220	0.0090	14	0.51	1%	0
027.43	Magnesium, ICP, Microwave (%)	0098	0.3900	0.0000	0.3777	0.0220	0.0090	14	0.56	2%	0
027.43	Magnesium, ICP, Microwave (%)	2136	0.3935	0.0190	0.3777	0.0220	0.0090	14	0.72	2%	0
027.43	Magnesium, ICP, Microwave (%)	2033	0.3950	0.0100	0.3777	0.0220	0.0090	14	0.79	2%	0
027.43	Magnesium, ICP, Microwave (%)	2089	0.3950	0.0300	0.3777	0.0220	0.0090	14	0.79	2%	0
027.43	Magnesium, ICP, Microwave (%)	2124	0.4050	0.0100	0.3777	0.0220	0.0090	14	1.24	4%	0
027.44	Magnesium, ICP, Dry ash (%)	0873	0.3490	0.0140	0.3824	0.0095	0.0081	20	-3.51	4%	0
027.44	Magnesium, ICP, Dry ash (%)	2320	0.3500	0.0000	0.3824	0.0095	0.0081	20	-3.41	4%	0
027.44	Magnesium, ICP, Dry ash (%)	2382	0.3685	0.0050	0.3824	0.0095	0.0081	20	-1.46	2%	0
027.44	Magnesium, ICP, Dry ash (%)	2408	0.3755	0.0150	0.3824	0.0095	0.0081	20	-0.72	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2380	0.3765	0.0010	0.3824	0.0095	0.0081	20	-0.62	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2385	0.3770	0.0080	0.3824	0.0095	0.0081	20	-0.57	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2114	0.3796	0.0025	0.3824	0.0095	0.0081	20	-0.30	0%	0
027.44	Magnesium, ICP, Dry ash (%)	2395	0.3800	0.0200	0.3824	0.0095	0.0081	20	-0.25	0%	0
027.44	Magnesium, ICP, Dry ash (%)	2362	0.3820	0.0080	0.3824	0.0095	0.0081	20	-0.04	0%	0
027.44	Magnesium, ICP, Dry ash (%)	2156	0.3830	0.0080	0.3824	0.0095	0.0081	20	0.06	0%	0
027.44	Magnesium, ICP, Dry ash (%)	2220	0.3835	0.0130	0.3824	0.0095	0.0081	20	0.12	0%	0
027.44	Magnesium, ICP, Dry ash (%)	2252	0.3835	0.0070	0.3824	0.0095	0.0081	20	0.12	0%	0
027.44	Magnesium, ICP, Dry ash (%)	2379	0.3845	0.0030	0.3824	0.0095	0.0081	20	0.22	0%	0
027.44	Magnesium, ICP, Dry ash (%)	2383	0.3875	0.0030	0.3824	0.0095	0.0081	20	0.54	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2384	0.3875	0.0030	0.3824	0.0095	0.0081	20	0.54	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2361	0.3900	0.0200	0.3824	0.0095	0.0081	20	0.80	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2381	0.3900	0.0020	0.3824	0.0095	0.0081	20	0.80	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2396	0.3925	0.0030	0.3824	0.0095	0.0081	20	1.06	1%	0
027.44	Magnesium, ICP, Dry ash (%)	0065	0.3938	0.0125	0.3824	0.0095	0.0081	20	1.20	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2293	0.4010	0.0140	0.3824	0.0095	0.0081	20	1.96	2%	0
027.44	Magnesium, ICP, Dry ash (%)	1022	0.7945	0.0170	0.3824	0.0095	0.0081	20	43.36	54%	2
027.52	Magnesium, ICP-MS, Open vessel (%)	0047	0.3205	0.0090				1			0
027.53	Magnesium, ICP-MS, Microwave (%)	0407	0.3801	0.0057				2			0
027.53	Magnesium, ICP-MS, Microwave (%)	0553	0.4215	0.0490				2			0
027.99	Magnesium, Miscellaneous (%)	2302	0.3300	0.0000				2			0
027.99	Magnesium, Miscellaneous (%)	0242	0.4050	0.0100				2			0
028.31	Manganese, AAS, Dry ash (ppm)	0001	25.57	0.8100				3			0
028.31	Manganese, AAS, Dry ash (ppm)	0529	30.30	1.400				3			0
028.31	Manganese, AAS, Dry ash (ppm)	0656	31.02	0.0000				3			0
028.41	Manganese, ICP, Dry ash (ppm)	2320	15.70	0.8000	25.90	1.781	0.7429	10	-5.73	20%	0
028.41	Manganese, ICP, Dry ash (ppm)	0164	24.50	1.000	25.90	1.781	0.7429	10	-0.79	3%	0
028.41	Manganese, ICP, Dry ash (ppm)	0074	25.00	0.0000	25.90	1.781	0.7429	10	-0.51	2%	0
028.41	Manganese, ICP, Dry ash (ppm)	2398	25.20	1.650	25.90	1.781	0.7429	10	-0.40	1%	0
028.41	Manganese, ICP, Dry ash (ppm)	0407	25.63	0.6488	25.90	1.781	0.7429	10	-0.16	1%	0
028.41	Manganese, ICP, Dry ash (ppm)	0098	25.95	0.4000	25.90	1.781	0.7429	10	0.03	0%	0
028.41	Manganese, ICP, Dry ash (ppm)	0910	26.00	2.000	25.90	1.781	0.7429	10	0.05	0%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
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028.41	Manganese, ICP, Dry ash (ppm)	2361	27.47	0.7300	25.90	1.781	0.7429	10	0.88	3%	0
028.41	Manganese, ICP, Dry ash (ppm)	0619	27.75	0.1000	25.90	1.781	0.7429	10	1.04	4%	0
028.41	Manganese, ICP, Dry ash (ppm)	0171	28.32	0.1000	25.90	1.781	0.7429	10	1.36	5%	0
028.42	Manganese, ICP, Open vessel (ppm)	0870	24.53	0.7200				3			0
028.42	Manganese, ICP, Open vessel (ppm)	0009	26.00	2.000				3			0
028.42	Manganese, ICP, Open vessel (ppm)	2207	29.00	0.0000				3			0
028.43	Manganese, ICP, Microwave (ppm)	0870	24.39	1.590	26.53	1.831	0.7066	14	-1.17	4%	0
028.43	Manganese, ICP, Microwave (ppm)	0511	24.50	1.000	26.53	1.831	0.7066	14	-1.11	4%	0
028.43	Manganese, ICP, Microwave (ppm)	0425	24.90	0.6600	26.53	1.831	0.7066	14	-0.89	3%	0
028.43	Manganese, ICP, Microwave (ppm)	0510	25.00	0.0000	26.53	1.831	0.7066	14	-0.83	3%	0
028.43	Manganese, ICP, Microwave (ppm)	2187	25.70	0.2000	26.53	1.831	0.7066	14	-0.45	2%	0
028.43	Manganese, ICP, Microwave (ppm)	2089	25.80	0.2100	26.53	1.831	0.7066	14	-0.40	1%	0
028.43	Manganese, ICP, Microwave (ppm)	0407	25.90	1.735	26.53	1.831	0.7066	14	-0.34	1%	0
028.43	Manganese, ICP, Microwave (ppm)	2033	25.96	0.2100	26.53	1.831	0.7066	14	-0.31	1%	0
028.43	Manganese, ICP, Microwave (ppm)	2136	27.35	0.9000	26.53	1.831	0.7066	14	0.45	2%	0
028.43	Manganese, ICP, Microwave (ppm)	0098	27.98	1.000	26.53	1.831	0.7066	14	0.79	3%	0
028.43	Manganese, ICP, Microwave (ppm)	2023	28.15	0.5000	26.53	1.831	0.7066	14	0.89	3%	0
028.43	Manganese, ICP, Microwave (ppm)	0042	28.25	0.3000	26.53	1.831	0.7066	14	0.94	3%	0
028.43	Manganese, ICP, Microwave (ppm)	0027	28.53	0.0870	26.53	1.831	0.7066	14	1.10	4%	0
028.43	Manganese, ICP, Microwave (ppm)	2124	28.95	1.500	26.53	1.831	0.7066	14	1.32	5%	0
028.44	Manganese, ICP, Dry ash (ppm)	2382	25.97	0.3400	27.15	0.4055	0.2089	9	-2.91	2%	0
028.44	Manganese, ICP, Dry ash (ppm)	2385	26.78	0.0400	27.15	0.4055	0.2089	9	-0.92	1%	0
028.44	Manganese, ICP, Dry ash (ppm)	2114	26.82	0.1005	27.15	0.4055	0.2089	9	-0.82	1%	0
028.44	Manganese, ICP, Dry ash (ppm)	2383	27.12	0.1700	27.15	0.4055	0.2089	9	-0.09	0%	0
028.44	Manganese, ICP, Dry ash (ppm)	2381	27.32	0.2700	27.15	0.4055	0.2089	9	0.40	0%	0
028.44	Manganese, ICP, Dry ash (ppm)	2384	27.35	0.3400	27.15	0.4055	0.2089	9	0.49	0%	0
028.44	Manganese, ICP, Dry ash (ppm)	2380	27.41	0.3600	27.15	0.4055	0.2089	9	0.64	0%	0
028.44	Manganese, ICP, Dry ash (ppm)	2379	27.46	0.2000	27.15	0.4055	0.2089	9	0.76	1%	0
028.44	Manganese, ICP, Dry ash (ppm)	1022	27.57	0.0600	27.15	0.4055	0.2089	9	1.03	1%	0
028.52	Manganese, ICP-MS, Open vessel (ppm)	0047	39.53	0.7000				1			0
028.53	Manganese, ICP-MS, Microwave (ppm)	0553	25.80	0.4000				2			0
028.53	Manganese, ICP-MS, Microwave (ppm)	0407	26.72	0.8909				2			0
028.99	Manganese, Miscellaneous (ppm)	2302	19.67	0.0000				2			0
028.99	Manganese, Miscellaneous (ppm)	0242	26.50	1.000				2			0
031.01	Phosphorus, Photometric (%)	0529	0.1550	0.0100				3			0
031.01	Phosphorus, Photometric (%)	2302	0.1550	0.0500				3			0
031.01	Phosphorus, Photometric (%)	0656	0.2200	0.0000				3			0
031.03	Phosphorus, Autoanalyzer (%)	0001	0.1395	0.0010				1			0
031.41	Phosphorus, ICP, Dry ash (%)	0164	0.1440	0.0020	0.1498	0.0047	0.0021	9	-1.24	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0619	0.1465	0.0010	0.1498	0.0047	0.0021	9	-0.70	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	2232	0.1470	0.0020	0.1498	0.0047	0.0021	9	-0.60	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0098	0.1483	0.0035	0.1498	0.0047	0.0021	9	-0.33	1%	0

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031.41	Phosphorus, ICP, Dry ash (%)	0171	0.1500	0.0000	0.1498	0.0047	0.0021	9	0.04	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	1021	0.1500	0.0000	0.1498	0.0047	0.0021	9	0.04	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0407	0.1501	0.0078	0.1498	0.0047	0.0021	9	0.06	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0074	0.1555	0.0030	0.1498	0.0047	0.0021	9	1.22	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	1020	0.1600	0.0000	0.1498	0.0047	0.0021	9	2.17	3%	0
031.41	Phosphorus, ICP, Dry ash (%)	0910	0.1500	0.0200	0.1498	0.0047	0.0021	9	0.04	0%	1
031.42	Phosphorus, ICP, Open vessel (%)	0047	0.1300	0.0000	0.1439	0.0123	0.0031	4			0
031.42	Phosphorus, ICP, Open vessel (%)	0870	0.1427	0.0049	0.1439	0.0123	0.0031	4			0
031.42	Phosphorus, ICP, Open vessel (%)	0009	0.1431	0.0076	0.1439	0.0123	0.0031	4			0
031.42	Phosphorus, ICP, Open vessel (%)	2207	0.1600	0.0000	0.1439	0.0123	0.0031	4			0
031.43	Phosphorus, ICP, Microwave (%)	2033	0.1345	0.0010	0.1490	0.0126	0.0028	16	-1.15	5%	0
031.43	Phosphorus, ICP, Microwave (%)	0407	0.1359	0.0022	0.1490	0.0126	0.0028	16	-1.04	4%	0
031.43	Phosphorus, ICP, Microwave (%)	0010	0.1400	0.0000	0.1490	0.0126	0.0028	16	-0.71	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0425	0.1400	0.0000	0.1490	0.0126	0.0028	16	-0.71	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0511	0.1400	0.0000	0.1490	0.0126	0.0028	16	-0.71	3%	0
031.43	Phosphorus, ICP, Microwave (%)	2187	0.1403	0.0012	0.1490	0.0126	0.0028	16	-0.69	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0001	0.1405	0.0050	0.1490	0.0126	0.0028	16	-0.67	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0027	0.1480	0.0020	0.1490	0.0126	0.0028	16	-0.08	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0042	0.1480	0.0020	0.1490	0.0126	0.0028	16	-0.08	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0510	0.1500	0.0000	0.1490	0.0126	0.0028	16	0.08	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0098	0.1538	0.0022	0.1490	0.0126	0.0028	16	0.38	2%	0
031.43	Phosphorus, ICP, Microwave (%)	2124	0.1550	0.0100	0.1490	0.0126	0.0028	16	0.48	2%	0
031.43	Phosphorus, ICP, Microwave (%)	2136	0.1580	0.0040	0.1490	0.0126	0.0028	16	0.71	3%	0
031.43	Phosphorus, ICP, Microwave (%)	2023	0.1655	0.0030	0.1490	0.0126	0.0028	16	1.31	6%	0
031.43	Phosphorus, ICP, Microwave (%)	0870	0.1666	0.0029	0.1490	0.0126	0.0028	16	1.39	6%	0
031.43	Phosphorus, ICP, Microwave (%)	2089	0.1950	0.0100	0.1490	0.0126	0.0028	16	3.65	15%	0
031.44	Phosphorus, ICP, Dry ash (%)	2398	0.1400	0.0000	0.1585	0.0097	0.0059	21	-1.92	6%	0
031.44	Phosphorus, ICP, Dry ash (%)	2114	0.1456	0.0018	0.1585	0.0097	0.0059	21	-1.34	4%	0
031.44	Phosphorus, ICP, Dry ash (%)	0873	0.1500	0.0000	0.1585	0.0097	0.0059	21	-0.88	3%	0
031.44	Phosphorus, ICP, Dry ash (%)	1022	0.1500	0.0000	0.1585	0.0097	0.0059	21	-0.88	3%	0
031.44	Phosphorus, ICP, Dry ash (%)	2380	0.1500	0.0000	0.1585	0.0097	0.0059	21	-0.88	3%	0
031.44	Phosphorus, ICP, Dry ash (%)	2384	0.1500	0.0000	0.1585	0.0097	0.0059	21	-0.88	3%	0
031.44	Phosphorus, ICP, Dry ash (%)	2385	0.1500	0.0000	0.1585	0.0097	0.0059	21	-0.88	3%	0
031.44	Phosphorus, ICP, Dry ash (%)	0065	0.1513	0.0025	0.1585	0.0097	0.0059	21	-0.75	2%	0
031.44	Phosphorus, ICP, Dry ash (%)	2379	0.1600	0.0000	0.1585	0.0097	0.0059	21	0.15	0%	0
031.44	Phosphorus, ICP, Dry ash (%)	2382	0.1600	0.0000	0.1585	0.0097	0.0059	21	0.15	0%	0
031.44	Phosphorus, ICP, Dry ash (%)	2383	0.1600	0.0000	0.1585	0.0097	0.0059	21	0.15	0%	0
031.44	Phosphorus, ICP, Dry ash (%)	2395	0.1600	0.0200	0.1585	0.0097	0.0059	21	0.15	0%	0
031.44	Phosphorus, ICP, Dry ash (%)	2252	0.1620	0.0200	0.1585	0.0097	0.0059	21	0.36	1%	0
031.44	Phosphorus, ICP, Dry ash (%)	2156	0.1650	0.0100	0.1585	0.0097	0.0059	21	0.67	2%	0
031.44	Phosphorus, ICP, Dry ash (%)	2220	0.1650	0.0100	0.1585	0.0097	0.0059	21	0.67	2%	0
031.44	Phosphorus, ICP, Dry ash (%)	2361	0.1650	0.0100	0.1585	0.0097	0.0059	21	0.67	2%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
031.44	Phosphorus, ICP, Dry ash (%)	2362	0.1650	0.0100	0.1585	0.0097	0.0059	21	0.67	2%	0
031.44	Phosphorus, ICP, Dry ash (%)	2408	0.1655	0.0190	0.1585	0.0097	0.0059	21	0.72	2%	0
031.44	Phosphorus, ICP, Dry ash (%)	2396	0.1675	0.0110	0.1585	0.0097	0.0059	21	0.93	3%	0
031.44	Phosphorus, ICP, Dry ash (%)	2381	0.1700	0.0000	0.1585	0.0097	0.0059	21	1.19	4%	0
031.44	Phosphorus, ICP, Dry ash (%)	2293	0.1810	0.0100	0.1585	0.0097	0.0059	21	2.33	7%	0
031.53	Phosphorus, ICP-MS, Microwave (%)	0407	0.1482	0.0027				2			0
031.53	Phosphorus, ICP-MS, Microwave (%)	0553	0.1525	0.0070				2			0
031.99	Phosphorus, Miscellaneous (%)	0676	0.1300	0.0000				3			0
031.99	Phosphorus, Miscellaneous (%)	0242	0.1400	0.0000				3			0
031.99	Phosphorus, Miscellaneous (%)	2302	0.1500	0.0000				3			0
032.31	Potassium, AAS, Dry ash (%)	0529	2.900	0.0000				3			0
032.31	Potassium, AAS, Dry ash (%)	0656	4.300	0.0000				3			0
032.31	Potassium, AAS, Dry ash (%)	0208	4.370	0.0400				3			0
032.41	Potassium, ICP, Dry ash (%)	0910	3.870	0.0000	4.254	0.2162	0.0841	11	-1.77	5%	0
032.41	Potassium, ICP, Dry ash (%)	0619	4.070	0.0200	4.254	0.2162	0.0841	11	-0.85	2%	0
032.41	Potassium, ICP, Dry ash (%)	1020	4.085	0.0900	4.254	0.2162	0.0841	11	-0.78	2%	0
032.41	Potassium, ICP, Dry ash (%)	0098	4.105	0.0100	4.254	0.2162	0.0841	11	-0.69	2%	0
032.41	Potassium, ICP, Dry ash (%)	1021	4.280	0.0800	4.254	0.2162	0.0841	11	0.12	0%	0
032.41	Potassium, ICP, Dry ash (%)	0164	4.285	0.0900	4.254	0.2162	0.0841	11	0.14	0%	0
032.41	Potassium, ICP, Dry ash (%)	0171	4.307	0.0670	4.254	0.2162	0.0841	11	0.24	1%	0
032.41	Potassium, ICP, Dry ash (%)	0407	4.331	0.1561	4.254	0.2162	0.0841	11	0.36	1%	0
032.41	Potassium, ICP, Dry ash (%)	0074	4.345	0.0700	4.254	0.2162	0.0841	11	0.42	1%	0
032.41	Potassium, ICP, Dry ash (%)	2232	4.476	0.0280	4.254	0.2162	0.0841	11	1.03	3%	0
032.41	Potassium, ICP, Dry ash (%)	0208	4.703	0.3140	4.254	0.2162	0.0841	11	2.08	5%	0
032.42	Potassium, ICP, Open vessel (%)	0047	4.250	0.1000	4.514	0.2307	0.1922	4			0
032.42	Potassium, ICP, Open vessel (%)	2207	4.470	0.2800	4.514	0.2307	0.1922	4			0
032.42	Potassium, ICP, Open vessel (%)	0009	4.525	0.2456	4.514	0.2307	0.1922	4			0
032.42	Potassium, ICP, Open vessel (%)	0870	4.811	0.1430	4.514	0.2307	0.1922	4			0
032.43	Potassium, ICP, Microwave (%)	0027	3.792	0.0130	4.229	0.2662	0.0496	15	-1.65	5%	0
032.43	Potassium, ICP, Microwave (%)	0510	3.860	0.0200	4.229	0.2662	0.0496	15	-1.39	4%	0
032.43	Potassium, ICP, Microwave (%)	0407	3.912	0.0407	4.229	0.2662	0.0496	15	-1.19	4%	0
032.43	Potassium, ICP, Microwave (%)	2187	4.062	0.0111	4.229	0.2662	0.0496	15	-0.63	2%	0
032.43	Potassium, ICP, Microwave (%)	0511	4.155	0.1300	4.229	0.2662	0.0496	15	-0.28	1%	0
032.43	Potassium, ICP, Microwave (%)	2023	4.190	0.0400	4.229	0.2662	0.0496	15	-0.15	0%	0
032.43	Potassium, ICP, Microwave (%)	0098	4.240	0.0200	4.229	0.2662	0.0496	15	0.04	0%	0
032.43	Potassium, ICP, Microwave (%)	2089	4.250	0.0400	4.229	0.2662	0.0496	15	0.08	0%	0
032.43	Potassium, ICP, Microwave (%)	0010	4.290	0.0600	4.229	0.2662	0.0496	15	0.23	1%	0
032.43	Potassium, ICP, Microwave (%)	0042	4.305	0.0300	4.229	0.2662	0.0496	15	0.28	1%	0
032.43	Potassium, ICP, Microwave (%)	2136	4.375	0.0500	4.229	0.2662	0.0496	15	0.55	2%	0
032.43	Potassium, ICP, Microwave (%)	2033	4.400	0.0000	4.229	0.2662	0.0496	15	0.64	2%	0
032.43	Potassium, ICP, Microwave (%)	2124	4.440	0.1000	4.229	0.2662	0.0496	15	0.79	2%	0
032.43	Potassium, ICP, Microwave (%)	0870	4.505	0.1690	4.229	0.2662	0.0496	15	1.03	3%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
032.43	Potassium, ICP, Microwave (%)	0425	4.700	0.0200	4.229	0.2662	0.0496	15	1.77	6%	0
032.44	Potassium, ICP, Dry ash (%)	2320	0.8200	0.1000	4.062	0.2065	0.0990	21	-15.70	40%	0
032.44	Potassium, ICP, Dry ash (%)	0873	3.715	0.1900	4.062	0.2065	0.0990	21	-1.68	4%	0
032.44	Potassium, ICP, Dry ash (%)	2384	3.885	0.0500	4.062	0.2065	0.0990	21	-0.86	2%	0
032.44	Potassium, ICP, Dry ash (%)	2380	3.890	0.0200	4.062	0.2065	0.0990	21	-0.83	2%	0
032.44	Potassium, ICP, Dry ash (%)	2382	3.890	0.0200	4.062	0.2065	0.0990	21	-0.83	2%	0
032.44	Potassium, ICP, Dry ash (%)	2379	3.945	0.0300	4.062	0.2065	0.0990	21	-0.56	1%	0
032.44	Potassium, ICP, Dry ash (%)	2408	3.967	0.1600	4.062	0.2065	0.0990	21	-0.46	1%	0
032.44	Potassium, ICP, Dry ash (%)	2385	3.970	0.0000	4.062	0.2065	0.0990	21	-0.44	1%	0
032.44	Potassium, ICP, Dry ash (%)	2383	4.005	0.1300	4.062	0.2065	0.0990	21	-0.27	1%	0
032.44	Potassium, ICP, Dry ash (%)	2220	4.050	0.2000	4.062	0.2065	0.0990	21	-0.06	0%	0
032.44	Potassium, ICP, Dry ash (%)	2381	4.055	0.0500	4.062	0.2065	0.0990	21	-0.03	0%	0
032.44	Potassium, ICP, Dry ash (%)	2395	4.085	0.1700	4.062	0.2065	0.0990	21	0.11	0%	0
032.44	Potassium, ICP, Dry ash (%)	2156	4.100	0.1000	4.062	0.2065	0.0990	21	0.19	0%	0
032.44	Potassium, ICP, Dry ash (%)	2361	4.125	0.2100	4.062	0.2065	0.0990	21	0.31	1%	0
032.44	Potassium, ICP, Dry ash (%)	2362	4.130	0.0200	4.062	0.2065	0.0990	21	0.33	1%	0
032.44	Potassium, ICP, Dry ash (%)	2252	4.135	0.0030	4.062	0.2065	0.0990	21	0.35	1%	0
032.44	Potassium, ICP, Dry ash (%)	2396	4.202	0.1050	4.062	0.2065	0.0990	21	0.68	2%	0
032.44	Potassium, ICP, Dry ash (%)	2293	4.302	0.2580	4.062	0.2065	0.0990	21	1.16	3%	0
032.44	Potassium, ICP, Dry ash (%)	2114	4.322	0.0444	4.062	0.2065	0.0990	21	1.26	3%	0
032.44	Potassium, ICP, Dry ash (%)	0065	4.361	0.1177	4.062	0.2065	0.0990	21	1.45	4%	0
032.44	Potassium, ICP, Dry ash (%)	1022	8.570	0.1000	4.062	0.2065	0.0990	21	21.83	56%	0
032.53	Potassium, ICP-MS, Microwave (%)	0553	3.880	0.0400				2			0
032.53	Potassium, ICP-MS, Microwave (%)	0407	4.178	0.0549				2			0
032.99	Potassium, Miscellaneous (%)	2302	3.370	0.0000				3			0
032.99	Potassium, Miscellaneous (%)	0242	4.190	0.1000				3			0
032.99	Potassium, Miscellaneous (%)	0001	4.205	0.0390				3			0
033.00	Salt as chloride, Sol Cl (%)	0511	0.9950	0.1700				2			0
033.00	Salt as chloride, Sol Cl (%)	0309	1.645	0.0032				2			0
033.01	Salt as chloride, Poten Cl (%)	2023	0.9900	0.0000	1.600	0.0573	0.0039	8	-10.65	19%	0
033.01	Salt as chloride, Poten Cl (%)	0425	1.530	0.0000	1.600	0.0573	0.0039	8	-1.22	2%	0
033.01	Salt as chloride, Poten Cl (%)	0510	1.600	0.0000	1.600	0.0573	0.0039	8	0.00	0%	0
033.01	Salt as chloride, Poten Cl (%)	0098	1.610	0.0200	1.600	0.0573	0.0039	8	0.17	0%	0
033.01	Salt as chloride, Poten Cl (%)	0242	1.630	0.0000	1.600	0.0573	0.0039	8	0.52	1%	0
033.01	Salt as chloride, Poten Cl (%)	0001	1.635	0.0100	1.600	0.0573	0.0039	8	0.61	1%	0
033.01	Salt as chloride, Poten Cl (%)	0164	1.640	0.0000	1.600	0.0573	0.0039	8	0.69	1%	0
033.01	Salt as chloride, Poten Cl (%)	0407	1.643	0.0010	1.600	0.0573	0.0039	8	0.74	1%	0
033.01	Salt as chloride, Poten Cl (%)	0028	1.600	0.0860	1.600	0.0573	0.0039	8	0.00	0%	1
033.05	Salt as chloride, Ion Sel Electrode (%)	0171	1.845	0.0100				1			0
033.99	Salt, Miscellaneous (%)	2320	0.2555	0.0030				3			0
033.99	Salt, Miscellaneous (%)	0650	1.650	0.0000				3			0
033.99	Salt, Miscellaneous (%)	2136	1.700	0.3000				3			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
034.04	Selenium, Total (Se), AA, Hydride (ppm)	0171	1.190	0.1000				1			0
034.41	Selenium, Total (Se), ICP, Dry ash (ppm)	0619	0.9920	0.0760				1			0
034.43	Selenium, Total (Se), ICP, Microwave (ppm)	2114	1.004	0.0186				1			0
034.51	Selenium, Total (Se), ICP-MS, Dry Ash (ppm)	0910	1.450	0.1000				1			0
034.53	Selenium, Total (Se), ICP-MS, Microwave (ppm)	0553	1.100	0.0000	1.413	0.3074	0.0959	5			0
034.53	Selenium, Total (Se), ICP-MS, Microwave (ppm)	0164	1.255	0.2900	1.413	0.3074	0.0959	5			0
034.53	Selenium, Total (Se), ICP-MS, Microwave (ppm)	0407	1.311	0.0096	1.413	0.3074	0.0959	5			0
034.53	Selenium, Total (Se), ICP-MS, Microwave (ppm)	2136	1.500	0.0400	1.413	0.3074	0.0959	5			0
034.53	Selenium, Total (Se), ICP-MS, Microwave (ppm)	2033	1.900	0.1400	1.413	0.3074	0.0959	5			0
035.31	Sodium, AAS, Dry ash (%)	0529	0.0440	0.0080				2			0
035.31	Sodium, AAS, Dry ash (%)	0656	0.0500	0.0000				2			0
035.41	Sodium, ICP, Dry ash (%)	2232	0.0051	0.0001	0.0691	0.0260	0.0049	29	-2.47	46%	0
035.41	Sodium, ICP, Dry ash (%)	2396	0.0175	0.0070	0.0691	0.0260	0.0049	29	-1.99	37%	0
035.41	Sodium, ICP, Dry ash (%)	0407	0.0422	0.0028	0.0691	0.0260	0.0049	29	-1.04	19%	0
035.41	Sodium, ICP, Dry ash (%)	0910	0.0450	0.0100	0.0691	0.0260	0.0049	29	-0.93	17%	0
035.41	Sodium, ICP, Dry ash (%)	0065	0.0454	0.0068	0.0691	0.0260	0.0049	29	-0.91	17%	0
035.41	Sodium, ICP, Dry ash (%)	0098	0.0460	0.0011	0.0691	0.0260	0.0049	29	-0.89	17%	0
035.41	Sodium, ICP, Dry ash (%)	1022	0.0500	0.0000	0.0691	0.0260	0.0049	29	-0.74	14%	0
035.41	Sodium, ICP, Dry ash (%)	2385	0.0500	0.0000	0.0691	0.0260	0.0049	29	-0.74	14%	0
035.41	Sodium, ICP, Dry ash (%)	0619	0.0545	0.0150	0.0691	0.0260	0.0049	29	-0.56	11%	0
035.41	Sodium, ICP, Dry ash (%)	1021	0.0550	0.0100	0.0691	0.0260	0.0049	29	-0.54	10%	0
035.41	Sodium, ICP, Dry ash (%)	2398	0.0550	0.0100	0.0691	0.0260	0.0049	29	-0.54	10%	0
035.41	Sodium, ICP, Dry ash (%)	0164	0.0600	0.0100	0.0691	0.0260	0.0049	29	-0.35	7%	0
035.41	Sodium, ICP, Dry ash (%)	2384	0.0600	0.0000	0.0691	0.0260	0.0049	29	-0.35	7%	0
035.41	Sodium, ICP, Dry ash (%)	2114	0.0611	0.0006	0.0691	0.0260	0.0049	29	-0.31	6%	0
035.41	Sodium, ICP, Dry ash (%)	0171	0.0655	0.0030	0.0691	0.0260	0.0049	29	-0.14	3%	0
035.41	Sodium, ICP, Dry ash (%)	0873	0.0700	0.0000	0.0691	0.0260	0.0049	29	0.03	1%	0
035.41	Sodium, ICP, Dry ash (%)	2379	0.0700	0.0000	0.0691	0.0260	0.0049	29	0.03	1%	0
035.41	Sodium, ICP, Dry ash (%)	2382	0.0700	0.0000	0.0691	0.0260	0.0049	29	0.03	1%	0
035.41	Sodium, ICP, Dry ash (%)	2381	0.0900	0.0000	0.0691	0.0260	0.0049	29	0.80	15%	0
035.41	Sodium, ICP, Dry ash (%)	2383	0.0900	0.0000	0.0691	0.0260	0.0049	29	0.80	15%	0
035.41	Sodium, ICP, Dry ash (%)	2220	0.0905	0.0030	0.0691	0.0260	0.0049	29	0.82	15%	0
035.41	Sodium, ICP, Dry ash (%)	2156	0.0915	0.0070	0.0691	0.0260	0.0049	29	0.86	16%	0
035.41	Sodium, ICP, Dry ash (%)	2361	0.0930	0.0080	0.0691	0.0260	0.0049	29	0.92	17%	0
035.41	Sodium, ICP, Dry ash (%)	2362	0.0940	0.0080	0.0691	0.0260	0.0049	29	0.96	18%	0
035.41	Sodium, ICP, Dry ash (%)	2408	0.0945	0.0150	0.0691	0.0260	0.0049	29	0.98	18%	0
035.41	Sodium, ICP, Dry ash (%)	2395	0.0950	0.0100	0.0691	0.0260	0.0049	29	1.00	19%	0
035.41	Sodium, ICP, Dry ash (%)	2293	0.0985	0.0150	0.0691	0.0260	0.0049	29	1.13	21%	0
035.41	Sodium, ICP, Dry ash (%)	2320	0.1000	0.0000	0.0691	0.0260	0.0049	29	1.19	22%	0
035.41	Sodium, ICP, Dry ash (%)	1020	0.1200	0.0000	0.0691	0.0260	0.0049	29	1.96	37%	0
035.41	Sodium, ICP, Dry ash (%)	2252	0.0745	0.0410	0.0691	0.0260	0.0049	29	0.21	4%	1
035.42	Sodium, ICP, Open vessel (%)	0870	0.0344	0.0017				2			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
035.42	Sodium, ICP, Open vessel (%)	2207	0.0400	0.0000				2			0
035.43	Sodium, ICP, Microwave (%)	0511	0.0300	0.0000	0.0367	0.0025	0.0017	11	-2.64	9%	0
035.43	Sodium, ICP, Microwave (%)	0870	0.0346	0.0021	0.0367	0.0025	0.0017	11	-0.84	3%	0
035.43	Sodium, ICP, Microwave (%)	0407	0.0355	0.0007	0.0367	0.0025	0.0017	11	-0.48	2%	0
035.43	Sodium, ICP, Microwave (%)	2033	0.0355	0.0010	0.0367	0.0025	0.0017	11	-0.46	2%	0
035.43	Sodium, ICP, Microwave (%)	2136	0.0356	0.0016	0.0367	0.0025	0.0017	11	-0.43	1%	0
035.43	Sodium, ICP, Microwave (%)	0510	0.0370	0.0020	0.0367	0.0025	0.0017	11	0.13	0%	0
035.43	Sodium, ICP, Microwave (%)	2187	0.0371	0.0006	0.0367	0.0025	0.0017	11	0.17	1%	0
035.43	Sodium, ICP, Microwave (%)	2023	0.0372	0.0002	0.0367	0.0025	0.0017	11	0.21	1%	0
035.43	Sodium, ICP, Microwave (%)	0098	0.0377	0.0004	0.0367	0.0025	0.0017	11	0.40	1%	0
035.43	Sodium, ICP, Microwave (%)	2124	0.0400	0.0000	0.0367	0.0025	0.0017	11	1.31	5%	0
035.43	Sodium, ICP, Microwave (%)	2089	0.0950	0.0100	0.0367	0.0025	0.0017	11	23.02	80%	0
035.43	Sodium, ICP, Microwave (%)	0425	0.5000	0.0800	0.0367	0.0025	0.0017	11	182.84	632%	2
035.43	Sodium, ICP, Microwave (%)	0042	< 0.04		0.0367	0.0025	0.0017	11			5
035.53	Sodium, ICP-MS, Microwave (%)	0407	0.0368	0.0004				2			0
035.53	Sodium, ICP-MS, Microwave (%)	0553	0.0431	0.0052				2			0
035.99	Sodium, Miscellaneous (%)	0242	0.0350	0.0100				3			0
035.99	Sodium, Miscellaneous (%)	2302	0.0600	0.0000				3			0
035.99	Sodium, Miscellaneous (%)	0027	0.0990	0.0000				3			0
036.04	Sulfur, LECO (%)	0001	0.4725	0.0070				1			0
036.42	Sulfur, ICP, Open vessel (%)	2320	0.2800	0.0000	0.4528	0.0423	0.0059	7	-4.09	19%	0
036.42	Sulfur, ICP, Open vessel (%)	0910	0.4200	0.0000	0.4528	0.0423	0.0059	7	-0.77	4%	0
036.42	Sulfur, ICP, Open vessel (%)	0407	0.4528	0.0048	0.4528	0.0423	0.0059	7	0.00	0%	0
036.42	Sulfur, ICP, Open vessel (%)	0870	0.4587	0.0158	0.4528	0.0423	0.0059	7	0.14	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0164	0.4650	0.0100	0.4528	0.0423	0.0059	7	0.29	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0171	0.4885	0.0010	0.4528	0.0423	0.0059	7	0.85	4%	0
036.42	Sulfur, ICP, Open vessel (%)	2207	0.4950	0.0100	0.4528	0.0423	0.0059	7	1.00	5%	0
036.43	Sulfur, ICP, Microwave (%)	2033	0.4400	0.0000	0.4843	0.0422	0.0149	9	-1.05	5%	0
036.43	Sulfur, ICP, Microwave (%)	0407	0.4487	0.0131	0.4843	0.0422	0.0149	9	-0.84	4%	0
036.43	Sulfur, ICP, Microwave (%)	0510	0.4600	0.0000	0.4843	0.0422	0.0149	9	-0.58	3%	0
036.43	Sulfur, ICP, Microwave (%)	0042	0.4645	0.0090	0.4843	0.0422	0.0149	9	-0.47	2%	0
036.43	Sulfur, ICP, Microwave (%)	2136	0.4790	0.0020	0.4843	0.0422	0.0149	9	-0.12	1%	0
036.43	Sulfur, ICP, Microwave (%)	0098	0.4813	0.0014	0.4843	0.0422	0.0149	9	-0.07	0%	0
036.43	Sulfur, ICP, Microwave (%)	0870	0.5040	0.0233	0.4843	0.0422	0.0149	9	0.47	2%	0
036.43	Sulfur, ICP, Microwave (%)	2023	0.5335	0.0250	0.4843	0.0422	0.0149	9	1.17	5%	0
036.43	Sulfur, ICP, Microwave (%)	2089	0.5700	0.0600	0.4843	0.0422	0.0149	9	2.03	9%	0
036.53	Sulfur, ICP-MS, Microwave (%)	0553	0.4220	0.0040				1			0
036.99	Sulfur, Miscellaneous (%)	2302	0.3800	0.0000				2			0
036.99	Sulfur, Miscellaneous (%)	0242	0.4350	0.0100				2			0
037.31	Zinc, AAS, Dry ash (ppm)	0001	18.32	0.2400				3			0
037.31	Zinc, AAS, Dry ash (ppm)	0529	24.40	0.0000				3			0
037.31	Zinc, AAS, Dry ash (ppm)	0656	84.26	0.0000				3			0

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037.33	Zinc, AAS, Microwave (ppm)	0010	25.15	0.7000				1			0
037.41	Zinc, ICP, Dry ash (ppm)	2089	21.53	1.890	25.00	2.525	1.674	7	-1.38	7%	0
037.41	Zinc, ICP, Dry ash (ppm)	0164	23.50	1.000	25.00	2.525	1.674	7	-0.59	3%	0
037.41	Zinc, ICP, Dry ash (ppm)	0407	24.61	0.4177	25.00	2.525	1.674	7	-0.15	1%	0
037.41	Zinc, ICP, Dry ash (ppm)	0098	25.33	0.3400	25.00	2.525	1.674	7	0.13	1%	0
037.41	Zinc, ICP, Dry ash (ppm)	0910	25.50	3.000	25.00	2.525	1.674	7	0.20	1%	0
037.41	Zinc, ICP, Dry ash (ppm)	0619	25.75	4.500	25.00	2.525	1.674	7	0.30	1%	0
037.41	Zinc, ICP, Dry ash (ppm)	0171	30.43	0.5700	25.00	2.525	1.674	7	2.15	11%	0
037.42	Zinc, ICP, Open vessel (ppm)	0009	20.00	0.0000				3			0
037.42	Zinc, ICP, Open vessel (ppm)	0870	21.27	0.2000				3			0
037.42	Zinc, ICP, Open vessel (ppm)	2207	25.00	0.0000				3			0
037.43	Zinc, ICP, Microwave (ppm)	0511	21.00	2.000	24.62	2.219	1.018	11	-1.63	7%	0
037.43	Zinc, ICP, Microwave (ppm)	0425	22.08	0.4290	24.62	2.219	1.018	11	-1.14	5%	0
037.43	Zinc, ICP, Microwave (ppm)	2033	22.75	0.1000	24.62	2.219	1.018	11	-0.84	4%	0
037.43	Zinc, ICP, Microwave (ppm)	0407	24.15	1.085	24.62	2.219	1.018	11	-0.21	1%	0
037.43	Zinc, ICP, Microwave (ppm)	0870	24.30	1.650	24.62	2.219	1.018	11	-0.14	1%	0
037.43	Zinc, ICP, Microwave (ppm)	0510	25.00	2.000	24.62	2.219	1.018	11	0.17	1%	0
037.43	Zinc, ICP, Microwave (ppm)	2136	25.40	0.4000	24.62	2.219	1.018	11	0.35	2%	0
037.43	Zinc, ICP, Microwave (ppm)	2124	25.90	1.280	24.62	2.219	1.018	11	0.58	3%	0
037.43	Zinc, ICP, Microwave (ppm)	0098	25.97	1.470	24.62	2.219	1.018	11	0.61	3%	0
037.43	Zinc, ICP, Microwave (ppm)	2023	26.05	0.3000	24.62	2.219	1.018	11	0.65	3%	0
037.43	Zinc, ICP, Microwave (ppm)	0027	27.89	0.4820	24.62	2.219	1.018	11	1.47	7%	0
037.43	Zinc, ICP, Microwave (ppm)	0042	32.75	6.100	24.62	2.219	1.018	11	3.67	17%	1
037.44	Zinc, ICP, Dry ash (ppm)	2320	13.10	0.4000				2			0
037.44	Zinc, ICP, Dry ash (ppm)	2114	23.55	0.3761				2			0
037.52	Zinc, ICP-MS, Open vessel (ppm)	0047	34.35	5.030				1			0
037.53	Zinc, ICP-MS, Microwave (ppm)	0407	22.38	0.1138				2			0
037.53	Zinc, ICP-MS, Microwave (ppm)	0553	26.90	6.400				2			0
037.99	Zinc, Miscellaneous (ppm)	2302	23.00	0.0000				2			0
037.99	Zinc, Miscellaneous (ppm)	0242	23.50	1.000				2			0
038.41	Molybdenum, ICP, Dry ash (ppm)	0171	0.6405	1.005				3			0
038.41	Molybdenum, ICP, Dry ash (ppm)	0407	1.092	0.0333				3			0
038.41	Molybdenum, ICP, Dry ash (ppm)	0910	1.205	0.0300				3			0
038.42	Molybdenum, ICP, Open vessel (ppm)	0042	1.545	0.0900				1			0
038.43	Molybdenum, ICP, Microwave (ppm)	0407	1.172	0.0435				2			0
038.43	Molybdenum, ICP, Microwave (ppm)	0510	1.200	0.0000				2			0
038.53	Molybdenum, ICP-MS, Microwave (ppm)	0164	1.225	0.0300	1.292	0.1066	0.0288	4			0
038.53	Molybdenum, ICP-MS, Microwave (ppm)	0553	1.230	0.0400	1.292	0.1066	0.0288	4			0
038.53	Molybdenum, ICP-MS, Microwave (ppm)	0407	1.264	0.0052	1.292	0.1066	0.0288	4			0
038.53	Molybdenum, ICP-MS, Microwave (ppm)	2136	1.450	0.0400	1.292	0.1066	0.0288	4			0
040.53	Barium, ICP-MS, Microwave (ppm)	0407	20.87	0.1817				1			0
041.53	Vanadium, ICP-MS, Microwave (ppm)	0407	0.3839	0.0064				2			0

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041.53	Vanadium, ICP-MS, Microwave (ppm)	0553	0.4000	0.0380				2		0	
042.99	Chloride, Miscellaneous (%)	2302	0.8200	0.0000				2		0	
042.99	Chloride, Miscellaneous (%)	0619	0.8885	0.0030				2		0	
101.02	Choline Chloride, LC (ppm)	0227	1,100	20.00				1		0	
102.01	Niacin, Microbiological (ppm)	0227	33.85	0.5000				1		0	
103.01	Pantothenic Acid, Microbiological (ppm)	0227	31.60	1.800				1		0	
104.00	Riboflavin, Fluorometric (ppm)	0227	16.35	0.3000				1		0	
105.00	Thiamine, LC (ppm)	2023	1.050	0.1000				1		0	
105.01	Thiamine, Fluorometer (ppm)	0227	2.665	0.1700				1		0	
106.02	Vitamin A, LC (KU / kg)	0676	0.0600	0.0000				1		0	
106.02	Vitamin A, LC (KU / kg)	0227	< 0.3					1		5	
107.00	Vitamin B12, Microbiological (ppb)	0227	11.50	0.4000				1		0	
108.01	Vitamin D3, LC, AOAC (KU / kg)	2023	< 0.22					0		5	
108.02	Vitamin D3, LC (KU / kg)	0227	< 0.05					0		5	
109.02	Vitamin E, LC (IU / kg)	0227	7.420	0.2600				2		0	
109.02	Vitamin E, LC (IU / kg)	0676	9.245	0.0500				2		0	
112.01	Pyridoxine, LC (µg / g)	0227	6.040	0.0200				1		0	
113.01	Folic Acid, Micro (ppm)	0227	1.185	0.0300				1		0	
114.01	Biotin, Microbiological (ppm)	0227	0.8970	0.0780				1		0	
120.00	Alanine, Post-col Ninhydrin Der (%)	0227	0.3200	0.0000				3		0	
120.00	Alanine, Post-col Ninhydrin Der (%)	0504	0.3250	0.0100				3		0	
120.00	Alanine, Post-col Ninhydrin Der (%)	0870	0.3334	0.0101				3		0	
120.02	Alanine, Post-col OPA Der (%)	2023	0.3150	0.0100				1		0	
120.05	Alanine, Pre-col AQC Der (%)	0407	0.3015	0.0150				2		0	
120.05	Alanine, Pre-col AQC Der (%)	0676	0.3100	0.0000				2		0	
121.00	Arginine, Post-col Ninhydrin Der (%)	0227	0.2350	0.0300				3		0	
121.00	Arginine, Post-col Ninhydrin Der (%)	0504	0.2400	0.0000				3		0	
121.00	Arginine, Post-col Ninhydrin Der (%)	0870	0.2541	0.0013				3		0	
121.02	Arginine, Post-col OPA Der (%)	2023	0.2500	0.0000				1		0	
121.05	Arginine, Pre-col AQC Der (%)	0407	0.2530	0.0000				2		0	
121.05	Arginine, Pre-col AQC Der (%)	0676	0.2850	0.0100				2		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0504	1.140	0.0200				3		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0227	1.185	0.0300				3		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0870	1.188	0.0482				3		0	
122.02	Aspartic, Post-col OPA Der (%)	2023	1.090	0.0200				1		0	
122.05	Aspartic, Pre-col AQC Der (%)	0407	1.051	0.0100				2		0	
122.05	Aspartic, Pre-col AQC Der (%)	0676	1.145	0.0700				2		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0870	0.0796	0.0084				3		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0227	0.0900	0.0000				3		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0504	0.1150	0.0100				3		0	
124.02	Cysteine/Cystine, PAO Post-col OPA Der (%)	2023	0.1100	0.0000				1		0	
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0407	0.0766	0.0100				2		0	

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124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0676	0.1050	0.0100				2		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0504	0.9550	0.0100				3		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0227	0.9850	0.0500				3		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0870	1.014	0.0407				3		0	
125.02	Glutamic, Post-col OPA Der (%)	2023	0.5150	0.0500				1		0	
125.05	Glutamic, Pre-col AQC Der (%)	0407	0.8885	0.0250				2		0	
125.05	Glutamic, Pre-col AQC Der (%)	0676	0.9300	0.1000				2		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0504	0.4550	0.0100				3		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0870	0.4609	0.0095				3		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0227	0.4850	0.0100				3		0	
126.02	Glycine, Post-col OPA Der (%)	2023	0.4450	0.0100				1		0	
126.05	Glycine, Pre-col AQC Der (%)	0407	0.4835	0.0010				2		0	
126.05	Glycine, Pre-col AQC Der (%)	0676	0.4950	0.0300				2		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0870	0.1374	0.0125				3		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0504	0.1400	0.0000				3		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0227	0.1550	0.0300				3		0	
127.02	Histidine, Post-col OPA Der (%)	2023	0.1300	0.0000				1		0	
127.05	Histidine, Pre-col AQC Der (%)	0676	0.1100	0.0000				2		0	
127.05	Histidine, Pre-col AQC Der (%)	0407	0.1350	0.0000				2		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0870	0.2194	0.0189				3		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0227	0.2450	0.0100				3		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0504	0.2450	0.0100				3		0	
128.02	Isoleucine, Post-col OPA Der (%)	2023	0.2300	0.0000				1		0	
128.05	Isoleucine, Pre-col AQC Der (%)	0676	0.2050	0.0100				2		0	
128.05	Isoleucine, Pre-col AQC Der (%)	0407	0.2275	0.0010				2		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0870	0.3704	0.0020				3		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0227	0.3750	0.0300				3		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0504	0.3850	0.0100				3		0	
129.02	Leucine, Post-col OPA Der (%)	2023	0.3950	0.0100				1		0	
129.05	Leucine, Pre-col AQC Der (%)	0407	0.3300	0.0020				2		0	
129.05	Leucine, Pre-col AQC Der (%)	0676	0.3350	0.0100				2		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0504	0.2050	0.0100				3		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0870	0.2069	0.0097				3		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0227	0.2250	0.0100				3		0	
130.02	L-Lysine, Post-col OPA Der (%)	2023	0.1850	0.0100				1		0	
130.05	L-Lysine, Pre-col AQC Der (%)	0407	0.1870	0.0020				2		0	
130.05	L-Lysine, Pre-col AQC Der (%)	0676	0.2150	0.0100				2		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0870	0.0448	0.0065				3		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0504	0.0450	0.0100				3		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0227	0.0600	0.0000				3		0	
131.02	Methionine, PAO Post-col OPA Der (%)	2023	0.0500	0.0000				1		0	
131.05	Methionine, PAO Pre-col AQC Der (%)	0407	0.0721	0.0075				2		0	

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131.05	Methionine, PAO Pre-col AQC Der (%)	0676	0.1550	0.0100				2		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0227	0.2350	0.0100				3		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0504	0.2450	0.0100				3		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0870	0.2584	0.0102				3		0	
132.02	Phenylalanine, Post-col OPA Der (%)	2023	0.2300	0.0000				1		0	
132.05	Phenylalanine, Pre-col AQC Der (%)	0407	0.2055	0.0030				2		0	
132.05	Phenylalanine, Pre-col AQC Der (%)	0676	0.2450	0.0100				2		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0870	0.2701	0.0009				3		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0504	0.2850	0.0100				3		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0227	0.3300	0.0400				3		0	
133.05	Proline, Pre-col AQC Der (%)	0407	0.2700	0.0000				2		0	
133.05	Proline, Pre-col AQC Der (%)	0676	0.3100	0.0200				2		0	
133.99	Proline, Miscellaneous (%)	2023	0.3350	0.0100				1		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0504	0.2700	0.0200				3		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0227	0.3550	0.0100				3		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0870	0.3682	0.0087				3		0	
134.02	Serine, Post-col OPA Der (%)	2023	0.3300	0.0000				1		0	
134.05	Serine, Pre-col AQC Der (%)	0407	0.2355	0.0010				2		0	
134.05	Serine, Pre-col AQC Der (%)	0676	0.3400	0.0000				2		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0504	0.2200	0.0000				3		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0870	0.2243	0.0037				3		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0227	0.2350	0.0100				3		0	
135.02	Threonine, Post-col OPA Der (%)	2023	0.2250	0.0100				1		0	
135.05	Threonine, Pre-col AQC Der (%)	0407	0.1635	0.0010				2		0	
135.05	Threonine, Pre-col AQC Der (%)	0676	0.2150	0.0100				2		0	
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0870	0.0607	0.0011				2		0	
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0227	0.1000	0.0000				2		0	
136.02	Tryptophan, Alka-Hydrol Post-col OPA De (%)	2023	0.0600	0.0000				1		0	
136.05	Tryptophan, Pre-col AQC Der (%)	0407	0.0830	0.0000				1		0	
136.99	Tryptophan, Miscellaneous (%)	0504	0.0300	0.0000				1		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0870	0.1701	0.0093				3		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0227	0.1800	0.0000				3		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0504	0.1800	0.0000				3		0	
137.02	Tyrosine, Post-col OPA Der (%)	2023	0.1500	0.0000				1		0	
137.05	Tyrosine, Pre-col AQC Der (%)	0407	0.1970	0.0060				2		0	
137.05	Tyrosine, Pre-col AQC Der (%)	0676	0.2600	0.0000				2		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0870	0.2543	0.0226				3		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0504	0.3050	0.0100				3		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0227	0.3600	0.0400				3		0	
138.02	Valine, Post-col OPA Der (%)	2023	0.2900	0.0000				1		0	
138.05	Valine, Pre-col AQC Der (%)	0407	0.2670	0.0080				2		0	
138.05	Valine, Pre-col AQC Der (%)	0676	0.2850	0.0100				2		0	

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139.00	Taurine, Post-col Ninhydrin Der (%)	0504	0.2300	0.0000				1		0	
139.05	Taurine, Pre-col AQC Der (%)	0407	0.0215	0.0010				1		0	
139.99	Taurine, Miscellaneous (%)	0227	< 0.01					0		5	
160.99	Fructose, Miscellaneous (%)	0619	2.935	0.0500				3		0	
160.99	Fructose, Miscellaneous (%)	2136	3.460	0.0600				3		0	
160.99	Fructose, Miscellaneous (%)	0227	3.640	0.0200				3		0	
162.99	Glucose, Miscellaneous (%)	0619	0.7500	0.0200				3		0	
162.99	Glucose, Miscellaneous (%)	0227	1.010	0.1200				3		0	
162.99	Glucose, Miscellaneous (%)	2136	1.675	0.0300				3		0	
163.99	Lactose, Miscellaneous (%)	0619	0.0000	0.0000				0		4	
163.99	Lactose, Miscellaneous (%)	2136	< 0.1					0		5	
163.99	Lactose, Miscellaneous (%)	0227	< 0.15					0		5	
164.99	Maltose, Miscellaneous (%)	2136	< 0.1					0		5	
164.99	Maltose, Miscellaneous (%)	0227	< 0.15					0		5	
165.99	Sucrose, Miscellaneous (%)	0227	24.29	0.2200				3		0	
165.99	Sucrose, Miscellaneous (%)	2136	26.20	0.4000				3		0	
165.99	Sucrose, Miscellaneous (%)	0619	28.70	0.8000				3		0	
166.99	Raffinose, Miscellaneous (%)	0227	0.0650	0.0100				1		0	
167.99	Stachyose, Miscellaneous (%)	0227	0.4300	0.0200				1		0	
400.01	Water Activity, Aqualab chilled mirror (Units)	0407	0.1413	0.0001				3		0	
400.01	Water Activity, Aqualab chilled mirror (Units)	2114	0.1995	0.0031				3		0	
400.01	Water Activity, Aqualab chilled mirror (Units)	2320	0.2705	0.0070				3		0	
400.99	Water Activity, Miscellaneous (Units)	0910	0.1295	0.0010	0.1782	0.0303	0.0124	5		0	
400.99	Water Activity, Miscellaneous (Units)	0656	0.1700	0.0000	0.1782	0.0303	0.0124	5		0	
400.99	Water Activity, Miscellaneous (Units)	0676	0.1875	0.0210	0.1782	0.0303	0.0124	5		0	
400.99	Water Activity, Miscellaneous (Units)	0619	0.1990	0.0060	0.1782	0.0303	0.0124	5		0	
400.99	Water Activity, Miscellaneous (Units)	2136	0.2050	0.0340	0.1782	0.0303	0.0124	5		0	
516.00	Arsenic, Total (As), AA, Hydride (ppm)	0171	0.2135	0.0250				1		0	
516.43	Arsenic, Total (As), ICP, Microwave (ppm)	2124	< 0.89					0		5	
516.53	Arsenic, Total (As), ICP-MS, Microwave (ppm)	0407	0.2142	0.0040	0.2443	0.0338	0.0080	4		0	
516.53	Arsenic, Total (As), ICP-MS, Microwave (ppm)	0553	0.2190	0.0040	0.2443	0.0338	0.0080	4		0	
516.53	Arsenic, Total (As), ICP-MS, Microwave (ppm)	0227	0.2590	0.0140	0.2443	0.0338	0.0080	4		0	
516.53	Arsenic, Total (As), ICP-MS, Microwave (ppm)	2033	0.2850	0.0100	0.2443	0.0338	0.0080	4		0	
518.41	Cadmium, ICP, Dry ash (ppm)	0407	0.0242	0.0021				2		0	
518.41	Cadmium, ICP, Dry ash (ppm)	0171	0.0695	0.0090				2		0	
518.43	Cadmium, ICP, Microwave (ppm)	0407	0.1052	0.0096				1		0	
518.43	Cadmium, ICP, Microwave (ppm)	2124	< 0.16					1		5	
518.53	Cadmium, ICP-MS, Microwave (ppm)	0407	0.1229	0.0047	0.1307	0.0087	0.0032	4		0	
518.53	Cadmium, ICP-MS, Microwave (ppm)	0553	0.1270	0.0040	0.1307	0.0087	0.0032	4		0	
518.53	Cadmium, ICP-MS, Microwave (ppm)	2033	0.1300	0.0000	0.1307	0.0087	0.0032	4		0	
518.53	Cadmium, ICP-MS, Microwave (ppm)	0227	0.1430	0.0040	0.1307	0.0087	0.0032	4		0	
520.41	Chromium, Total (Cr), ICP, Dry ash (ppm)	0407	1.047	0.2203				2		0	

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
520.41	Chromium, Total (Cr), ICP, Dry ash (ppm)	0171	1.226	0.0350				2		0	
520.43	Chromium, Total (Cr), ICP, Microwave (ppm)	0407	1.220	0.1205				2		0	
520.43	Chromium, Total (Cr), ICP, Microwave (ppm)	0510	1.655	0.0300				2		0	
520.53	Chromium, Total (Cr), ICP-MS, Microwave (ppm)	0407	1.567	0.0385				3		0	
520.53	Chromium, Total (Cr), ICP-MS, Microwave (ppm)	0164	1.635	0.1900				3		0	
520.53	Chromium, Total (Cr), ICP-MS, Microwave (ppm)	0553	1.650	0.1000				3		0	
526.41	Lead, ICP, Dry ash (ppm)	0171	0.1125	0.0230				2		0	
526.41	Lead, ICP, Dry ash (ppm)	0407	0.1314	0.0215				2		0	
526.43	Lead, ICP, Microwave (ppm)	0407	0.2172	0.0619				1		0	
526.53	Lead, ICP-MS, Microwave (ppm)	2033	0.0800	0.0000	0.0888	0.0077	0.0029	4		0	
526.53	Lead, ICP-MS, Microwave (ppm)	0407	0.0869	0.0079	0.0888	0.0077	0.0029	4		0	
526.53	Lead, ICP-MS, Microwave (ppm)	0553	0.0897	0.0008	0.0888	0.0077	0.0029	4		0	
526.53	Lead, ICP-MS, Microwave (ppm)	0227	0.0985	0.0030	0.0888	0.0077	0.0029	4		0	
529.99	Mercury, Miscellaneous (ppb)	0407	1.089	0.1150				1		0	
529.99	Mercury, Miscellaneous (ppb)	2033	< 5					1		5	
529.99	Mercury, Miscellaneous (ppb)	0227	< 10					1		5	
539.41	Nickel, ICP, Dry ash (ppm)	0407	2.798	0.0341				2		0	
539.41	Nickel, ICP, Dry ash (ppm)	0171	3.107	0.0030				2		0	
539.43	Nickel, ICP, Microwave (ppm)	0407	2.700	0.0868				1		0	
539.53	Nickel, ICP-MS, Microwave (ppm)	0407	3.253	0.0694				2		0	
539.53	Nickel, ICP-MS, Microwave (ppm)	0553	3.455	0.0500				2		0	

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