

Animal Feed Scheme
Beef Mineral

Labs Reporting: 173
Methods Reported 323
Issue Date : 06/30/2019

Test Material Code # 201995

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			
000.02	Urea, As protein, Colorimetric (%)	0278	0.1000	0.0000				1		0	
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0027	2.911	0.0810				3		0	
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0504	3.335	0.0900				3		0	
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0169	3.625	0.0300				3		0	
001.03	Loss on Drying, Low temp. methods (%)	0868	3.095	0.0100				3		0	
001.03	Loss on Drying, Low temp. methods (%)	0843	3.525	0.2100				3		0	
001.03	Loss on Drying, Low temp. methods (%)	0893	4.325	0.0500				3		0	
001.05	Loss on Drying, LECO (%)	0610	2.940	0.1200				2		0	
001.05	Loss on Drying, LECO (%)	0644	3.015	0.1300				2		0	
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0226	2.795	0.0700	3.307	0.2927	0.1205	42	-1.75	8%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0675	2.800	0.1800	3.307	0.2927	0.1205	42	-1.73	8%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0187	2.805	0.0300	3.307	0.2927	0.1205	42	-1.71	8%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0038	2.870	0.6000	3.307	0.2927	0.1205	42	-1.49	7%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0353	2.995	0.0100	3.307	0.2927	0.1205	42	-1.06	5%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0019	3.000	0.2000	3.307	0.2927	0.1205	42	-1.05	5%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2009	3.033	0.0092	3.307	0.2927	0.1205	42	-0.94	4%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2190	3.040	0.0000	3.307	0.2927	0.1205	42	-0.91	4%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0034	3.045	0.1100	3.307	0.2927	0.1205	42	-0.89	4%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0849	3.125	0.0500	3.307	0.2927	0.1205	42	-0.62	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2053	3.140	0.0200	3.307	0.2927	0.1205	42	-0.57	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0590	3.145	0.1500	3.307	0.2927	0.1205	42	-0.55	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0028	3.150	0.1400	3.307	0.2927	0.1205	42	-0.53	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0003	3.155	0.2100	3.307	0.2927	0.1205	42	-0.52	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0035	3.165	0.1100	3.307	0.2927	0.1205	42	-0.48	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0049	3.180	0.1800	3.307	0.2927	0.1205	42	-0.43	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0638	3.230	0.0600	3.307	0.2927	0.1205	42	-0.26	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0045	3.255	0.0900	3.307	0.2927	0.1205	42	-0.18	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0407	3.295	0.1029	3.307	0.2927	0.1205	42	-0.04	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0366	3.300	0.2000	3.307	0.2927	0.1205	42	-0.02	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0682	3.300	0.0000	3.307	0.2927	0.1205	42	-0.02	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2012	3.304	0.1360	3.307	0.2927	0.1205	42	-0.01	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0278	3.320	0.0400	3.307	0.2927	0.1205	42	0.05	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2059	3.335	0.0500	3.307	0.2927	0.1205	42	0.10	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 (%)	0033	3.340	0.2400	3.307	0.2927	0.1205	42	0.11	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0683	3.380	0.0400	3.307	0.2927	0.1205	42	0.25	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0505	3.405	0.2100	3.307	0.2927	0.1205	42	0.34	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0074	3.440	0.0600	3.307	0.2927	0.1205	42	0.46	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0171	3.450	0.1600	3.307	0.2927	0.1205	42	0.49	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0148	3.455	0.0500	3.307	0.2927	0.1205	42	0.51	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0872	3.465	0.0100	3.307	0.2927	0.1205	42	0.54	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0689	3.500	0.0000	3.307	0.2927	0.1205	42	0.66	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2264	3.522	0.0628	3.307	0.2927	0.1205	42	0.74	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0843	3.525	0.2100	3.307	0.2927	0.1205	42	0.75	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2109	3.525	0.4500	3.307	0.2927	0.1205	42	0.75	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0142	3.600	0.0800	3.307	0.2927	0.1205	42	1.00	4%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0083	3.615	0.1100	3.307	0.2927	0.1205	42	1.05	5%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2259	3.686	0.1280	3.307	0.2927	0.1205	42	1.30	6%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0693	3.759	0.1330	3.307	0.2927	0.1205	42	1.54	7%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0098	3.770	0.2400	3.307	0.2927	0.1205	42	1.58	7%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0876	3.835	0.1100	3.307	0.2927	0.1205	42	1.81	8%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0529	5.520	0.0200	3.307	0.2927	0.1205	42	7.56	33%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2192	2.485	0.8700	3.307	0.2927	0.1205	42	-2.81	12%	1
001.99	Loss on Drying, Miscellaneous (%)	0186	2.695	0.0900	3.440	0.5634	0.1198	17	-1.32	11%	0
001.99	Loss on Drying, Miscellaneous (%)	0510	2.800	0.0000	3.440	0.5634	0.1198	17	-1.14	9%	0
001.99	Loss on Drying, Miscellaneous (%)	2246	3.030	0.0800	3.440	0.5634	0.1198	17	-0.73	6%	0
001.99	Loss on Drying, Miscellaneous (%)	0918	3.035	0.1500	3.440	0.5634	0.1198	17	-0.72	6%	0
001.99	Loss on Drying, Miscellaneous (%)	0948	3.110	0.0200	3.440	0.5634	0.1198	17	-0.59	5%	0
001.99	Loss on Drying, Miscellaneous (%)	0612	3.200	0.2600	3.440	0.5634	0.1198	17	-0.43	3%	0
001.99	Loss on Drying, Miscellaneous (%)	0910	3.200	0.0000	3.440	0.5634	0.1198	17	-0.43	3%	0
001.99	Loss on Drying, Miscellaneous (%)	0889	3.280	0.1200	3.440	0.5634	0.1198	17	-0.28	2%	0
001.99	Loss on Drying, Miscellaneous (%)	0357	3.285	0.0758	3.440	0.5634	0.1198	17	-0.28	2%	0
001.99	Loss on Drying, Miscellaneous (%)	0037	3.310	0.1200	3.440	0.5634	0.1198	17	-0.23	2%	0
001.99	Loss on Drying, Miscellaneous (%)	0676	3.505	0.1100	3.440	0.5634	0.1198	17	0.12	1%	0
001.99	Loss on Drying, Miscellaneous (%)	2258	3.525	0.2500	3.440	0.5634	0.1198	17	0.15	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0656	3.870	0.2400	3.440	0.5634	0.1198	17	0.76	6%	0
001.99	Loss on Drying, Miscellaneous (%)	2242	3.900	0.2000	3.440	0.5634	0.1198	17	0.82	7%	0
001.99	Loss on Drying, Miscellaneous (%)	0536	4.165	0.0900	3.440	0.5634	0.1198	17	1.29	11%	0
001.99	Loss on Drying, Miscellaneous (%)	0720	4.325	0.1300	3.440	0.5634	0.1198	17	1.57	13%	0
001.99	Loss on Drying, Miscellaneous (%)	0852	7.750	0.1000	3.440	0.5634	0.1198	17	7.65	63%	0
001.99	Loss on Drying, Miscellaneous (%)	0560	3.935	0.7500	3.440	0.5634	0.1198	17	0.88	7%	1
002.01	Protein, Crude, Auto Kjel-Foss (%)	0685	4.215	0.0100	4.358	0.1291	0.0960	8	-1.11	2%	0
002.01	Protein, Crude, Auto Kjel-Foss (%)	0870	4.241	0.1280	4.358	0.1291	0.0960	8	-0.90	1%	0
002.01	Protein, Crude, Auto Kjel-Foss (%)	0889	4.290	0.0000	4.358	0.1291	0.0960	8	-0.53	1%	0
002.01	Protein, Crude, Auto Kjel-Foss (%)	0164	4.345	0.0700	4.358	0.1291	0.0960	8	-0.10	0%	0
002.01	Protein, Crude, Auto Kjel-Foss (%)	2188	4.350	0.0400	4.358	0.1291	0.0960	8	-0.06	0%	0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
002.01	Protein, Crude, Auto Kjel-Foss (%)	0610	4.400	0.2000	4.358	0.1291	0.0960	8	0.33	0%	0
002.01	Protein, Crude, Auto Kjel-Foss (%)	2196	4.470	0.0000	4.358	0.1291	0.0960	8	0.87	1%	0
002.01	Protein, Crude, Auto Kjel-Foss (%)	2193	4.710	0.3200	4.358	0.1291	0.0960	8	2.73	4%	0
002.01	Protein, Crude, Auto Kjel-Foss (%)	2259	43.28	0.5850	4.358	0.1291	0.0960	8	301.47	447%	2
002.04	Protein, Crude, Copper Catalyst (%)	0874	4.315	0.1500				3			0
002.04	Protein, Crude, Copper Catalyst (%)	0638	4.350	0.1600				3			0
002.04	Protein, Crude, Copper Catalyst (%)	0405	11.40	0.0000				3			0
002.05	Protein, Crude, Copper, Boric Acid (%)	2258	4.245	0.0100	4.404	0.1374	0.0397	9	-1.16	2%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	2073	4.285	0.0300	4.404	0.1374	0.0397	9	-0.86	1%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	0881	4.306	0.0410	4.404	0.1374	0.0397	9	-0.72	1%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	2264	4.359	0.0560	4.404	0.1374	0.0397	9	-0.33	1%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	0868	4.385	0.0100	4.404	0.1374	0.0397	9	-0.14	0%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	2006	4.440	0.0600	4.404	0.1374	0.0397	9	0.26	0%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	2109	4.465	0.0500	4.404	0.1374	0.0397	9	0.45	1%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	0674	4.540	0.0000	4.404	0.1374	0.0397	9	0.99	2%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	0852	5.550	0.1000	4.404	0.1374	0.0397	9	8.34	13%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0592	0.6489	0.0289	4.434	0.2357	0.1222	49	-16.06	43%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0650	3.875	0.0100	4.434	0.2357	0.1222	49	-2.37	6%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0541	3.890	0.0600	4.434	0.2357	0.1222	49	-2.31	6%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0539	4.035	0.0100	4.434	0.2357	0.1222	49	-1.70	5%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0202	4.138	0.0500	4.434	0.2357	0.1222	49	-1.26	3%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0037	4.190	0.0400	4.434	0.2357	0.1222	49	-1.04	3%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0956	4.200	0.2000	4.434	0.2357	0.1222	49	-0.99	3%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0610	4.200	0.0000	4.434	0.2357	0.1222	49	-0.99	3%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0353	4.210	0.1600	4.434	0.2357	0.1222	49	-0.95	3%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2129	4.224	0.0720	4.434	0.2357	0.1222	49	-0.89	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2150	4.239	0.2280	4.434	0.2357	0.1222	49	-0.83	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0598	4.250	0.0600	4.434	0.2357	0.1222	49	-0.78	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0164	4.315	0.2500	4.434	0.2357	0.1222	49	-0.51	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0309	4.321	0.2888	4.434	0.2357	0.1222	49	-0.48	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0693	4.329	0.1030	4.434	0.2357	0.1222	49	-0.45	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0142	4.330	0.0000	4.434	0.2357	0.1222	49	-0.44	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0953	4.347	0.4180	4.434	0.2357	0.1222	49	-0.37	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0278	4.350	0.1000	4.434	0.2357	0.1222	49	-0.36	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0520	4.350	0.1000	4.434	0.2357	0.1222	49	-0.36	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2059	4.369	0.0562	4.434	0.2357	0.1222	49	-0.28	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0358	4.370	0.1200	4.434	0.2357	0.1222	49	-0.27	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0049	4.385	0.2700	4.434	0.2357	0.1222	49	-0.21	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0644	4.405	0.0500	4.434	0.2357	0.1222	49	-0.13	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0682	4.420	0.0000	4.434	0.2357	0.1222	49	-0.06	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2213	4.425	0.0700	4.434	0.2357	0.1222	49	-0.04	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0171	4.425	0.0500	4.434	0.2357	0.1222	49	-0.04	0%	0

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002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0083	4.435	0.1100	4.434	0.2357	0.1222	49	0.00	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0148	4.455	0.2100	4.434	0.2357	0.1222	49	0.09	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2076	4.483	0.1230	4.434	0.2357	0.1222	49	0.20	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0868	4.510	0.0200	4.434	0.2357	0.1222	49	0.32	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2242	4.510	0.2200	4.434	0.2357	0.1222	49	0.32	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0870	4.522	0.1104	4.434	0.2357	0.1222	49	0.37	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0425	4.525	0.0500	4.434	0.2357	0.1222	49	0.38	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2033	4.535	0.3100	4.434	0.2357	0.1222	49	0.43	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2184	4.545	0.1900	4.434	0.2357	0.1222	49	0.47	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0366	4.550	0.3000	4.434	0.2357	0.1222	49	0.49	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0407	4.579	0.0460	4.434	0.2357	0.1222	49	0.61	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0265	4.600	0.2000	4.434	0.2357	0.1222	49	0.70	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0574	4.610	0.0200	4.434	0.2357	0.1222	49	0.74	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0357	4.625	0.0000	4.434	0.2357	0.1222	49	0.81	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0918	4.635	0.1300	4.434	0.2357	0.1222	49	0.85	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0589	4.670	0.1600	4.434	0.2357	0.1222	49	1.00	3%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2109	4.730	0.1200	4.434	0.2357	0.1222	49	1.25	3%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0843	4.740	0.4400	4.434	0.2357	0.1222	49	1.30	3%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0859	4.766	0.0433	4.434	0.2357	0.1222	49	1.41	4%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0242	4.785	0.0900	4.434	0.2357	0.1222	49	1.49	4%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0186	4.790	0.0000	4.434	0.2357	0.1222	49	1.51	4%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0692	4.800	0.2000	4.434	0.2357	0.1222	49	1.55	4%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0510	4.850	0.1000	4.434	0.2357	0.1222	49	1.76	5%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0880	4.075	0.7300	4.434	0.2357	0.1222	49	-1.53	4%	1
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2089	67.67	0.6000	4.434	0.2357	0.1222	49	268.33	713%	2
002.11	Protein, Crude, NIR (%)	0889	10.46	0.1300				2			0
002.11	Protein, Crude, NIR (%)	0553	20.55	0.5300				2			0
002.99	Protein, Crude, Miscellaneous (%)	0643	5.095	1.350				1			0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	0653	1.390	0.0200				3			0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2109	1.855	0.0700				3			0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2258	1.880	0.3400				3			0
003.06	Fat, Crude, Pet Ether (%)	0918	1.395	0.1500	1.837	0.3944	0.0840	5			0
003.06	Fat, Crude, Pet Ether (%)	0425	1.500	0.0600	1.837	0.3944	0.0840	5			0
003.06	Fat, Crude, Pet Ether (%)	0644	1.826	0.0400	1.837	0.3944	0.0840	5			0
003.06	Fat, Crude, Pet Ether (%)	0682	2.220	0.0000	1.837	0.3944	0.0840	5			0
003.06	Fat, Crude, Pet Ether (%)	0164	2.245	0.1700	1.837	0.3944	0.0840	5			0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0685	0.9650	0.0500	1.661	0.4146	0.0559	5			0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0870	1.696	0.0793	1.661	0.4146	0.0559	5			0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0674	1.750	0.0000	1.661	0.4146	0.0559	5			0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0638	1.825	0.0500	1.661	0.4146	0.0559	5			0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0353	2.070	0.1000	1.661	0.4146	0.0559	5			0
003.10	Fat, Crude, Randall, Pet Ether (%)	2073	0.9050	0.0900	1.511	0.3087	0.1120	10	-1.96	20%	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, Crude, Randall, Pet Ether (%)	2188	1.145	0.1700	1.511	0.3087	0.1120	10	-1.19	12%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0062	1.360	0.0400	1.511	0.3087	0.1120	10	-0.49	5%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0881	1.461	0.1530	1.511	0.3087	0.1120	10	-0.16	2%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2184	1.475	0.0100	1.511	0.3087	0.1120	10	-0.12	1%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0541	1.520	0.1600	1.511	0.3087	0.1120	10	0.03	0%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0242	1.700	0.0600	1.511	0.3087	0.1120	10	0.61	6%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0148	1.750	0.0000	1.511	0.3087	0.1120	10	0.77	8%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0366	1.800	0.4000	1.511	0.3087	0.1120	10	0.94	10%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0870	1.851	0.0369	1.511	0.3087	0.1120	10	1.10	11%	0
003.11	Fat, Crude, NIR (%)	0405	2.540	0.0000				2			0
003.11	Fat, Crude, NIR (%)	0553	3.950	0.0200				2			0
003.12	Fat, Crude, Hexane Ext (%)	0171	1.500	0.0200				1			0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	2006	1.810	0.0400				1			0
003.14	Fat, Crude, Ankom (%)	0574	0.7250	0.0500	1.209	0.2388	0.1076	18	-2.03	20%	0
003.14	Fat, Crude, Ankom (%)	0358	0.9950	0.0700	1.209	0.2388	0.1076	18	-0.90	9%	0
003.14	Fat, Crude, Ankom (%)	0956	1.000	0.2000	1.209	0.2388	0.1076	18	-0.88	9%	0
003.14	Fat, Crude, Ankom (%)	0037	1.015	0.0700	1.209	0.2388	0.1076	18	-0.81	8%	0
003.14	Fat, Crude, Ankom (%)	2076	1.048	0.1464	1.209	0.2388	0.1076	18	-0.68	7%	0
003.14	Fat, Crude, Ankom (%)	0186	1.055	0.1100	1.209	0.2388	0.1076	18	-0.65	6%	0
003.14	Fat, Crude, Ankom (%)	0357	1.060	0.1200	1.209	0.2388	0.1076	18	-0.62	6%	0
003.14	Fat, Crude, Ankom (%)	0520	1.130	0.0400	1.209	0.2388	0.1076	18	-0.33	3%	0
003.14	Fat, Crude, Ankom (%)	2129	1.145	0.4100	1.209	0.2388	0.1076	18	-0.27	3%	0
003.14	Fat, Crude, Ankom (%)	0843	1.170	0.0400	1.209	0.2388	0.1076	18	-0.16	2%	0
003.14	Fat, Crude, Ankom (%)	0278	1.250	0.1000	1.209	0.2388	0.1076	18	0.17	2%	0
003.14	Fat, Crude, Ankom (%)	0265	1.315	0.1900	1.209	0.2388	0.1076	18	0.44	4%	0
003.14	Fat, Crude, Ankom (%)	0598	1.335	0.0900	1.209	0.2388	0.1076	18	0.53	5%	0
003.14	Fat, Crude, Ankom (%)	0202	1.396	0.0120	1.209	0.2388	0.1076	18	0.78	8%	0
003.14	Fat, Crude, Ankom (%)	0407	1.416	0.1876	1.209	0.2388	0.1076	18	0.87	9%	0
003.14	Fat, Crude, Ankom (%)	0682	1.480	0.0000	1.209	0.2388	0.1076	18	1.13	11%	0
003.14	Fat, Crude, Ankom (%)	0148	1.535	0.0500	1.209	0.2388	0.1076	18	1.37	13%	0
003.14	Fat, Crude, Ankom (%)	0049	1.575	0.0500	1.209	0.2388	0.1076	18	1.53	15%	0
003.14	Fat, Crude, Ankom (%)	0692	1.250	0.7000	1.209	0.2388	0.1076	18	0.17	2%	1
003.99	Fat, Crude, Miscellaneous (%)	0880	1.550	2.300				1			0
004.00	Fiber, Crude, Asbestos Free (%)	0171	1.875	0.0300	2.198	0.2758	0.1290	6	-1.17	7%	0
004.00	Fiber, Crude, Asbestos Free (%)	2076	1.976	0.5192	2.198	0.2758	0.1290	6	-0.81	5%	0
004.00	Fiber, Crude, Asbestos Free (%)	2264	2.145	0.0149	2.198	0.2758	0.1290	6	-0.19	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	0164	2.300	0.0000	2.198	0.2758	0.1290	6	0.37	2%	0
004.00	Fiber, Crude, Asbestos Free (%)	0425	2.400	0.2000	2.198	0.2758	0.1290	6	0.73	5%	0
004.00	Fiber, Crude, Asbestos Free (%)	2073	2.495	0.0100	2.198	0.2758	0.1290	6	1.07	7%	0
004.01	Fiber, Crude, Sing Filt (%)	0366	2.135	0.7100				1			0
004.03	Fiber, Crude, Fritted Glass (%)	0353	1.860	0.0200				1			0
004.06	Fiber, Crude, Fibertec (%)	0881	1.815	0.1530	2.129	0.4350	0.0483	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			
004.06	Fiber, Crude, Fibertec (%)	2006	1.920	0.0000	2.129	0.4350	0.0483	4			0
004.06	Fiber, Crude, Fibertec (%)	0918	2.010	0.0400	2.129	0.4350	0.0483	4			0
004.06	Fiber, Crude, Fibertec (%)	0674	2.770	0.0000	2.129	0.4350	0.0483	4			0
004.06	Fiber, Crude, Fibertec (%)	0638	2.150	0.5000	2.129	0.4350	0.0483	4			1
004.07	Fiber, Crude, ANKOM (%)	0644	1.495	0.0100	2.788	1.055	0.1665	15	-1.23	23%	0
004.07	Fiber, Crude, ANKOM (%)	2188	1.645	0.2100	2.788	1.055	0.1665	15	-1.08	20%	0
004.07	Fiber, Crude, ANKOM (%)	0708	1.685	0.0500	2.788	1.055	0.1665	15	-1.05	20%	0
004.07	Fiber, Crude, ANKOM (%)	0956	1.750	0.1000	2.788	1.055	0.1665	15	-0.98	19%	0
004.07	Fiber, Crude, ANKOM (%)	2259	1.790	0.0600	2.788	1.055	0.1665	15	-0.95	18%	0
004.07	Fiber, Crude, ANKOM (%)	0407	2.802	0.0877	2.788	1.055	0.1665	15	0.01	0%	0
004.07	Fiber, Crude, ANKOM (%)	0643	2.830	0.0200	2.788	1.055	0.1665	15	0.04	1%	0
004.07	Fiber, Crude, ANKOM (%)	0278	2.850	0.1000	2.788	1.055	0.1665	15	0.06	1%	0
004.07	Fiber, Crude, ANKOM (%)	0520	2.925	0.3700	2.788	1.055	0.1665	15	0.13	2%	0
004.07	Fiber, Crude, ANKOM (%)	0692	3.000	0.8000	2.788	1.055	0.1665	15	0.20	4%	0
004.07	Fiber, Crude, ANKOM (%)	0682	3.400	0.0000	2.788	1.055	0.1665	15	0.58	11%	0
004.07	Fiber, Crude, ANKOM (%)	0598	3.430	0.4000	2.788	1.055	0.1665	15	0.61	12%	0
004.07	Fiber, Crude, ANKOM (%)	0265	3.910	0.2200	2.788	1.055	0.1665	15	1.06	20%	0
004.07	Fiber, Crude, ANKOM (%)	2033	4.100	0.0000	2.788	1.055	0.1665	15	1.24	24%	0
004.07	Fiber, Crude, ANKOM (%)	2109	4.205	0.0700	2.788	1.055	0.1665	15	1.34	25%	0
004.07	Fiber, Crude, ANKOM (%)	0202	12.79	1.391	2.788	1.055	0.1665	15	9.49	179%	1
004.11	Fiber, Crude, NIR (%)	0889	4.240	0.0600				3			0
004.11	Fiber, Crude, NIR (%)	0405	4.910	0.0000				3			0
004.11	Fiber, Crude, NIR (%)	0553	6.685	0.3500				3			0
005.00	Ash, 2h @ 600°C (%)	0425	61.48	0.2600	65.48	1.143	0.3932	83	-3.50	3%	0
005.00	Ash, 2h @ 600°C (%)	2184	62.08	0.2600	65.48	1.143	0.3932	83	-2.98	3%	0
005.00	Ash, 2h @ 600°C (%)	0964	62.40	0.4970	65.48	1.143	0.3932	83	-2.70	2%	0
005.00	Ash, 2h @ 600°C (%)	0918	62.48	0.5200	65.48	1.143	0.3932	83	-2.63	2%	0
005.00	Ash, 2h @ 600°C (%)	0357	62.95	0.1000	65.48	1.143	0.3932	83	-2.22	2%	0
005.00	Ash, 2h @ 600°C (%)	0186	63.00	0.0000	65.48	1.143	0.3932	83	-2.17	2%	0
005.00	Ash, 2h @ 600°C (%)	0539	63.01	0.2100	65.48	1.143	0.3932	83	-2.17	2%	0
005.00	Ash, 2h @ 600°C (%)	0278	63.05	0.4600	65.48	1.143	0.3932	83	-2.13	2%	0
005.00	Ash, 2h @ 600°C (%)	0650	63.11	0.3000	65.48	1.143	0.3932	83	-2.08	2%	0
005.00	Ash, 2h @ 600°C (%)	0169	63.24	0.1400	65.48	1.143	0.3932	83	-1.96	2%	0
005.00	Ash, 2h @ 600°C (%)	0148	63.35	0.0600	65.48	1.143	0.3932	83	-1.87	2%	0
005.00	Ash, 2h @ 600°C (%)	2033	63.35	0.3000	65.48	1.143	0.3932	83	-1.87	2%	0
005.00	Ash, 2h @ 600°C (%)	0019	63.50	2.400	65.48	1.143	0.3932	83	-1.74	2%	0
005.00	Ash, 2h @ 600°C (%)	0049	63.65	0.1000	65.48	1.143	0.3932	83	-1.60	1%	0
005.00	Ash, 2h @ 600°C (%)	0574	64.04	0.4100	65.48	1.143	0.3932	83	-1.27	1%	0
005.00	Ash, 2h @ 600°C (%)	0598	64.44	0.0600	65.48	1.143	0.3932	83	-0.91	1%	0
005.00	Ash, 2h @ 600°C (%)	0876	64.46	0.2300	65.48	1.143	0.3932	83	-0.90	1%	0
005.00	Ash, 2h @ 600°C (%)	0651	64.74	0.3750	65.48	1.143	0.3932	83	-0.65	1%	0
005.00	Ash, 2h @ 600°C (%)	0956	64.80	0.4000	65.48	1.143	0.3932	83	-0.60	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
005.00	Ash, 2h @ 600°C (%)	0164	64.84	0.2100	65.48	1.143	0.3932	83	-0.57	0%	0
005.00	Ash, 2h @ 600°C (%)	0142	65.02	0.1900	65.48	1.143	0.3932	83	-0.41	0%	0
005.00	Ash, 2h @ 600°C (%)	0027	65.13	0.2720	65.48	1.143	0.3932	83	-0.31	0%	0
005.00	Ash, 2h @ 600°C (%)	0656	65.13	0.4200	65.48	1.143	0.3932	83	-0.31	0%	0
005.00	Ash, 2h @ 600°C (%)	0653	65.25	0.1400	65.48	1.143	0.3932	83	-0.20	0%	0
005.00	Ash, 2h @ 600°C (%)	0004	65.26	0.4600	65.48	1.143	0.3932	83	-0.20	0%	0
005.00	Ash, 2h @ 600°C (%)	0589	65.28	1.050	65.48	1.143	0.3932	83	-0.18	0%	0
005.00	Ash, 2h @ 600°C (%)	2199	65.30	0.4000	65.48	1.143	0.3932	83	-0.16	0%	0
005.00	Ash, 2h @ 600°C (%)	0675	65.30	0.2000	65.48	1.143	0.3932	83	-0.16	0%	0
005.00	Ash, 2h @ 600°C (%)	0510	65.31	0.0300	65.48	1.143	0.3932	83	-0.16	0%	0
005.00	Ash, 2h @ 600°C (%)	0354	65.33	0.0800	65.48	1.143	0.3932	83	-0.13	0%	0
005.00	Ash, 2h @ 600°C (%)	0553	65.37	0.9300	65.48	1.143	0.3932	83	-0.10	0%	0
005.00	Ash, 2h @ 600°C (%)	0035	65.37	0.6400	65.48	1.143	0.3932	83	-0.10	0%	0
005.00	Ash, 2h @ 600°C (%)	0643	65.41	0.1500	65.48	1.143	0.3932	83	-0.07	0%	0
005.00	Ash, 2h @ 600°C (%)	0848	65.44	0.0200	65.48	1.143	0.3932	83	-0.04	0%	0
005.00	Ash, 2h @ 600°C (%)	2053	65.45	0.1000	65.48	1.143	0.3932	83	-0.03	0%	0
005.00	Ash, 2h @ 600°C (%)	2242	65.46	0.2600	65.48	1.143	0.3932	83	-0.02	0%	0
005.00	Ash, 2h @ 600°C (%)	0881	65.50	0.5070	65.48	1.143	0.3932	83	0.01	0%	0
005.00	Ash, 2h @ 600°C (%)	0175	65.50	0.2000	65.48	1.143	0.3932	83	0.01	0%	0
005.00	Ash, 2h @ 600°C (%)	0541	65.54	0.7400	65.48	1.143	0.3932	83	0.05	0%	0
005.00	Ash, 2h @ 600°C (%)	2006	65.58	0.0200	65.48	1.143	0.3932	83	0.08	0%	0
005.00	Ash, 2h @ 600°C (%)	0001	65.59	0.0666	65.48	1.143	0.3932	83	0.09	0%	0
005.00	Ash, 2h @ 600°C (%)	0144	65.60	0.2200	65.48	1.143	0.3932	83	0.10	0%	0
005.00	Ash, 2h @ 600°C (%)	0953	65.62	0.4500	65.48	1.143	0.3932	83	0.11	0%	0
005.00	Ash, 2h @ 600°C (%)	0870	65.67	0.3234	65.48	1.143	0.3932	83	0.16	0%	0
005.00	Ash, 2h @ 600°C (%)	0529	65.68	0.7500	65.48	1.143	0.3932	83	0.17	0%	0
005.00	Ash, 2h @ 600°C (%)	0034	65.68	0.3850	65.48	1.143	0.3932	83	0.17	0%	0
005.00	Ash, 2h @ 600°C (%)	0693	65.68	0.2010	65.48	1.143	0.3932	83	0.17	0%	0
005.00	Ash, 2h @ 600°C (%)	0229	65.78	0.2300	65.48	1.143	0.3932	83	0.25	0%	0
005.00	Ash, 2h @ 600°C (%)	2188	65.79	0.0800	65.48	1.143	0.3932	83	0.27	0%	0
005.00	Ash, 2h @ 600°C (%)	0505	65.80	0.0800	65.48	1.143	0.3932	83	0.28	0%	0
005.00	Ash, 2h @ 600°C (%)	0171	65.81	0.2100	65.48	1.143	0.3932	83	0.28	0%	0
005.00	Ash, 2h @ 600°C (%)	0358	65.81	0.0400	65.48	1.143	0.3932	83	0.29	0%	0
005.00	Ash, 2h @ 600°C (%)	0674	65.83	0.0000	65.48	1.143	0.3932	83	0.30	0%	0
005.00	Ash, 2h @ 600°C (%)	2150	65.87	0.0600	65.48	1.143	0.3932	83	0.34	0%	0
005.00	Ash, 2h @ 600°C (%)	2264	65.88	0.7214	65.48	1.143	0.3932	83	0.35	0%	0
005.00	Ash, 2h @ 600°C (%)	0033	65.90	0.4000	65.48	1.143	0.3932	83	0.36	0%	0
005.00	Ash, 2h @ 600°C (%)	0098	65.92	0.4700	65.48	1.143	0.3932	83	0.38	0%	0
005.00	Ash, 2h @ 600°C (%)	0682	65.92	0.0000	65.48	1.143	0.3932	83	0.38	0%	0
005.00	Ash, 2h @ 600°C (%)	0504	65.93	0.3500	65.48	1.143	0.3932	83	0.39	0%	0
005.00	Ash, 2h @ 600°C (%)	0407	66.00	0.5022	65.48	1.143	0.3932	83	0.45	0%	0
005.00	Ash, 2h @ 600°C (%)	0108	66.00	0.2600	65.48	1.143	0.3932	83	0.45	0%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
005.00	Ash, 2h @ 600°C (%)	0968	66.07	0.7420	65.48	1.143	0.3932	83	0.52	0%	0
005.00	Ash, 2h @ 600°C (%)	0226	66.10	0.8000	65.48	1.143	0.3932	83	0.54	0%	0
005.00	Ash, 2h @ 600°C (%)	0062	66.16	0.2100	65.48	1.143	0.3932	83	0.59	1%	0
005.00	Ash, 2h @ 600°C (%)	0353	66.21	0.0300	65.48	1.143	0.3932	83	0.63	1%	0
005.00	Ash, 2h @ 600°C (%)	0083	66.29	0.1400	65.48	1.143	0.3932	83	0.71	1%	0
005.00	Ash, 2h @ 600°C (%)	0880	66.39	0.5500	65.48	1.143	0.3932	83	0.79	1%	0
005.00	Ash, 2h @ 600°C (%)	2193	66.43	0.0200	65.48	1.143	0.3932	83	0.83	1%	0
005.00	Ash, 2h @ 600°C (%)	0520	66.47	0.0100	65.48	1.143	0.3932	83	0.86	1%	0
005.00	Ash, 2h @ 600°C (%)	2259	66.48	0.4500	65.48	1.143	0.3932	83	0.87	1%	0
005.00	Ash, 2h @ 600°C (%)	2076	66.55	2.363	65.48	1.143	0.3932	83	0.93	1%	0
005.00	Ash, 2h @ 600°C (%)	2196	66.56	0.0000	65.48	1.143	0.3932	83	0.94	1%	0
005.00	Ash, 2h @ 600°C (%)	2181	66.62	0.5100	65.48	1.143	0.3932	83	0.99	1%	0
005.00	Ash, 2h @ 600°C (%)	2073	66.73	0.0100	65.48	1.143	0.3932	83	1.09	1%	0
005.00	Ash, 2h @ 600°C (%)	0874	66.86	1.110	65.48	1.143	0.3932	83	1.20	1%	0
005.00	Ash, 2h @ 600°C (%)	0309	66.90	0.4900	65.48	1.143	0.3932	83	1.23	1%	0
005.00	Ash, 2h @ 600°C (%)	0265	66.95	1.500	65.48	1.143	0.3932	83	1.28	1%	0
005.00	Ash, 2h @ 600°C (%)	2200	66.95	0.1000	65.48	1.143	0.3932	83	1.28	1%	0
005.00	Ash, 2h @ 600°C (%)	0948	67.05	0.5600	65.48	1.143	0.3932	83	1.37	1%	0
005.00	Ash, 2h @ 600°C (%)	0242	67.14	0.6400	65.48	1.143	0.3932	83	1.45	1%	0
005.00	Ash, 2h @ 600°C (%)	0366	67.55	0.1000	65.48	1.143	0.3932	83	1.81	2%	0
005.00	Ash, 2h @ 600°C (%)	0045	68.00	1.800	65.48	1.143	0.3932	83	2.20	2%	0
005.00	Ash, 2h @ 600°C (%)	0047	68.50	0.6000	65.48	1.143	0.3932	83	2.64	2%	0
005.00	Ash, 2h @ 600°C (%)	0511	62.83	2.870	65.48	1.143	0.3932	83	-2.33	2%	1
005.00	Ash, 2h @ 600°C (%)	0623	67.17	4.983	65.48	1.143	0.3932	83	1.48	1%	1
005.02	Ash, LECO (%)	2075	65.70	0.0500				2			0
005.02	Ash, LECO (%)	0644	65.84	0.2600				2			0
005.05	Ash, 3h @ 550°C (%)	0638	64.29	0.4600	66.69	1.023	0.2881	29	-2.34	2%	0
005.05	Ash, 3h @ 550°C (%)	0003	64.53	0.7100	66.69	1.023	0.2881	29	-2.11	2%	0
005.05	Ash, 3h @ 550°C (%)	0726	65.35	0.0500	66.69	1.023	0.2881	29	-1.31	1%	0
005.05	Ash, 3h @ 550°C (%)	0066	65.45	0.3300	66.69	1.023	0.2881	29	-1.21	1%	0
005.05	Ash, 3h @ 550°C (%)	0689	65.80	0.0500	66.69	1.023	0.2881	29	-0.87	1%	0
005.05	Ash, 3h @ 550°C (%)	0263	66.00	0.1170	66.69	1.023	0.2881	29	-0.67	1%	0
005.05	Ash, 3h @ 550°C (%)	2258	66.06	0.2200	66.69	1.023	0.2881	29	-0.61	0%	0
005.05	Ash, 3h @ 550°C (%)	0683	66.08	0.3800	66.69	1.023	0.2881	29	-0.59	0%	0
005.05	Ash, 3h @ 550°C (%)	0893	66.23	0.3300	66.69	1.023	0.2881	29	-0.45	0%	0
005.05	Ash, 3h @ 550°C (%)	0038	66.31	0.0800	66.69	1.023	0.2881	29	-0.37	0%	0
005.05	Ash, 3h @ 550°C (%)	2192	66.40	0.3100	66.69	1.023	0.2881	29	-0.29	0%	0
005.05	Ash, 3h @ 550°C (%)	0590	66.50	0.0000	66.69	1.023	0.2881	29	-0.18	0%	0
005.05	Ash, 3h @ 550°C (%)	0610	66.54	0.2100	66.69	1.023	0.2881	29	-0.15	0%	0
005.05	Ash, 3h @ 550°C (%)	0868	66.61	0.0600	66.69	1.023	0.2881	29	-0.08	0%	0
005.05	Ash, 3h @ 550°C (%)	2012	66.61	0.4600	66.69	1.023	0.2881	29	-0.08	0%	0
005.05	Ash, 3h @ 550°C (%)	0939	66.62	0.1500	66.69	1.023	0.2881	29	-0.07	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 (%)	0941	66.68	0.3000	66.69	1.023	0.2881	29	-0.01	0%	0
005.05	Ash, 3h @ 550°C (%)	0897	66.75	0.0300	66.69	1.023	0.2881	29	0.06	0%	0
005.05	Ash, 3h @ 550°C (%)	0955	66.85	0.3000	66.69	1.023	0.2881	29	0.16	0%	0
005.05	Ash, 3h @ 550°C (%)	0294	66.90	0.4000	66.69	1.023	0.2881	29	0.21	0%	0
005.05	Ash, 3h @ 550°C (%)	0685	66.98	0.0300	66.69	1.023	0.2881	29	0.28	0%	0
005.05	Ash, 3h @ 550°C (%)	0692	67.35	0.1000	66.69	1.023	0.2881	29	0.65	0%	0
005.05	Ash, 3h @ 550°C (%)	2009	67.51	0.0350	66.69	1.023	0.2881	29	0.81	1%	0
005.05	Ash, 3h @ 550°C (%)	2109	67.72	0.3400	66.69	1.023	0.2881	29	1.01	1%	0
005.05	Ash, 3h @ 550°C (%)	2264	67.73	0.6827	66.69	1.023	0.2881	29	1.02	1%	0
005.05	Ash, 3h @ 550°C (%)	2246	67.99	0.1600	66.69	1.023	0.2881	29	1.27	1%	0
005.05	Ash, 3h @ 550°C (%)	0889	69.53	0.7296	66.69	1.023	0.2881	29	2.78	2%	0
005.05	Ash, 3h @ 550°C (%)	0190	69.81	1.140	66.69	1.023	0.2881	29	3.05	2%	0
005.05	Ash, 3h @ 550°C (%)	2129	72.84	0.1900	66.69	1.023	0.2881	29	6.01	5%	0
005.05	Ash, 3h @ 550°C (%)	0885	68.81	1.522	66.69	1.023	0.2881	29	2.07	2%	1
005.11	Ash, NIR (%)	0889	59.15	0.4777				2			0
005.11	Ash, NIR (%)	0852	70.78	1.040				2			0
005.99	Ash, Miscellaneous (%)	0676	66.47	0.2900	67.06	0.4322	0.1665	4			0
005.99	Ash, Miscellaneous (%)	0202	67.00	0.0060	67.06	0.4322	0.1665	4			0
005.99	Ash, Miscellaneous (%)	0910	67.35	0.1000	67.06	0.4322	0.1665	4			0
005.99	Ash, Miscellaneous (%)	0536	67.41	0.2700	67.06	0.4322	0.1665	4			0
005.99	Ash, Miscellaneous (%)	2055	63.00	0.0000	67.06	0.4322	0.1665	4			2
006.00	Total Sugars, As sucrose (%)	0407	1.290	0.4000				1			0
006.99	Total Sugars, Miscellaneous (%)	0956	1.250	0.1000				1			0
008.02	Fiber, Acid Detergent, Crucible (%)	0038	2.286	0.1690				3			0
008.02	Fiber, Acid Detergent, Crucible (%)	0148	3.255	1.190				3			0
008.02	Fiber, Acid Detergent, Crucible (%)	0353	3.440	0.1000				3			0
008.05	Fiber, Acid Detergent, Acid Detergent-Hach (%)	0265	4.410	0.2000				1			0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0278	2.100	0.4000	2.965	0.6058	0.1658	12	-1.43	15%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0956	2.250	0.1000	2.965	0.6058	0.1658	12	-1.18	12%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0407	2.742	0.4097	2.965	0.6058	0.1658	12	-0.37	4%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0357	2.750	0.1000	2.965	0.6058	0.1658	12	-0.36	4%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0049	2.785	0.0700	2.965	0.6058	0.1658	12	-0.30	3%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0148	2.785	0.0300	2.965	0.6058	0.1658	12	-0.30	3%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0870	2.822	0.0861	2.965	0.6058	0.1658	12	-0.24	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0918	2.983	0.0240	2.965	0.6058	0.1658	12	0.03	0%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0358	3.375	0.0300	2.965	0.6058	0.1658	12	0.68	7%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0037	3.525	0.0900	2.965	0.6058	0.1658	12	0.92	9%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	2193	3.590	0.0600	2.965	0.6058	0.1658	12	1.03	11%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	2129	4.295	0.5900	2.965	0.6058	0.1658	12	2.20	22%	0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat (%)	0353	8.705	0.2100				1			0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	2193	6.175	0.1100	7.524	1.043	0.2424	13	-1.29	9%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0278	6.300	0.0000	7.524	1.043	0.2424	13	-1.17	8%	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, Filter Bag - ANKOM (%)	0870	6.909	0.1461	7.524	1.043	0.2424	13	-0.59	4%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0956	7.050	0.1000	7.524	1.043	0.2424	13	-0.45	3%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0358	7.110	0.2000	7.524	1.043	0.2424	13	-0.40	3%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0407	7.124	0.0154	7.524	1.043	0.2424	13	-0.38	3%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0049	7.135	1.210	7.524	1.043	0.2424	13	-0.37	3%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0598	7.540	0.0200	7.524	1.043	0.2424	13	0.02	0%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0357	7.750	0.3000	7.524	1.043	0.2424	13	0.22	2%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0265	8.290	0.2000	7.524	1.043	0.2424	13	0.73	5%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0918	8.510	0.0800	7.524	1.043	0.2424	13	0.95	7%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0037	8.825	0.0100	7.524	1.043	0.2424	13	1.25	9%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0148	12.64	0.7600	7.524	1.043	0.2424	13	4.91	34%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	2129	46.39	2.360	7.524	1.043	0.2424	13	37.26	258%	2
009.99	Fiber, Neutral Detergent, Miscellaneous (%)	0889	6.850	0.2400				1			0
010.03	Moisture, Karl-Fischer (%)	0164	2.860	0.1200				2			0
010.03	Moisture, Karl-Fischer (%)	0843	4.005	0.2700				2			0
010.11	Moisture, NIR (%)	0889	3.285	0.0300				2			0
010.11	Moisture, NIR (%)	0553	6.765	0.7500				2			0
010.99	Moisture, Miscellaneous (%)	0726	2.545	0.0100	3.622	0.8437	0.0578	9	-1.28	15%	0
010.99	Moisture, Miscellaneous (%)	0948	3.110	0.0200	3.622	0.8437	0.0578	9	-0.61	7%	0
010.99	Moisture, Miscellaneous (%)	2089	3.115	0.0900	3.622	0.8437	0.0578	9	-0.60	7%	0
010.99	Moisture, Miscellaneous (%)	0939	3.250	0.0600	3.622	0.8437	0.0578	9	-0.44	5%	0
010.99	Moisture, Miscellaneous (%)	2129	3.335	0.0300	3.622	0.8437	0.0578	9	-0.34	4%	0
010.99	Moisture, Miscellaneous (%)	2150	3.795	0.2300	3.622	0.8437	0.0578	9	0.21	2%	0
010.99	Moisture, Miscellaneous (%)	0190	4.155	0.0100	3.622	0.8437	0.0578	9	0.63	7%	0
010.99	Moisture, Miscellaneous (%)	2076	4.405	0.0700	3.622	0.8437	0.0578	9	0.93	11%	0
010.99	Moisture, Miscellaneous (%)	0405	8.240	0.0000	3.622	0.8437	0.0578	9	5.47	64%	0
010.99	Moisture, Miscellaneous (%)	0692	3.400	1.000	3.622	0.8437	0.0578	9	-0.26	3%	1
011.01	Loss on Drying, 135°C 2hr (%)	0880	2.515	0.6500	5.199	0.5455	0.1454	56	-4.92	26%	0
011.01	Loss on Drying, 135°C 2hr (%)	0650	2.915	0.0100	5.199	0.5455	0.1454	56	-4.19	22%	0
011.01	Loss on Drying, 135°C 2hr (%)	0263	3.223	0.0790	5.199	0.5455	0.1454	56	-3.62	19%	0
011.01	Loss on Drying, 135°C 2hr (%)	0643	3.600	0.4000	5.199	0.5455	0.1454	56	-2.93	15%	0
011.01	Loss on Drying, 135°C 2hr (%)	0539	4.230	0.2200	5.199	0.5455	0.1454	56	-1.78	9%	0
011.01	Loss on Drying, 135°C 2hr (%)	2033	4.340	0.0600	5.199	0.5455	0.1454	56	-1.57	8%	0
011.01	Loss on Drying, 135°C 2hr (%)	0520	4.400	0.2000	5.199	0.5455	0.1454	56	-1.46	8%	0
011.01	Loss on Drying, 135°C 2hr (%)	0874	4.440	0.1200	5.199	0.5455	0.1454	56	-1.39	7%	0
011.01	Loss on Drying, 135°C 2hr (%)	0675	4.465	0.0500	5.199	0.5455	0.1454	56	-1.35	7%	0
011.01	Loss on Drying, 135°C 2hr (%)	2196	4.710	0.0000	5.199	0.5455	0.1454	56	-0.90	5%	0
011.01	Loss on Drying, 135°C 2hr (%)	0653	4.720	0.0200	5.199	0.5455	0.1454	56	-0.88	5%	0
011.01	Loss on Drying, 135°C 2hr (%)	0175	4.750	0.3000	5.199	0.5455	0.1454	56	-0.82	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0536	4.775	0.3700	5.199	0.5455	0.1454	56	-0.78	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	2246	4.780	0.0800	5.199	0.5455	0.1454	56	-0.77	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0226	4.785	0.3100	5.199	0.5455	0.1454	56	-0.76	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	
011.01	Loss on Drying, 135°C 2hr (%)	0425	4.860	0.0600	5.199	0.5455	0.1454	56	-0.62	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0968	4.891	0.1550	5.199	0.5455	0.1454	56	-0.57	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0881	5.013	0.0520	5.199	0.5455	0.1454	56	-0.34	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0682	5.040	0.0000	5.199	0.5455	0.1454	56	-0.29	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0598	5.045	0.1900	5.199	0.5455	0.1454	56	-0.28	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0294	5.100	0.0000	5.199	0.5455	0.1454	56	-0.18	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0674	5.100	0.0000	5.199	0.5455	0.1454	56	-0.18	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0047	5.150	0.3000	5.199	0.5455	0.1454	56	-0.09	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0953	5.195	0.3300	5.199	0.5455	0.1454	56	-0.01	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0651	5.200	0.0350	5.199	0.5455	0.1454	56	0.00	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	2006	5.235	0.3500	5.199	0.5455	0.1454	56	0.07	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0623	5.296	0.2183	5.199	0.5455	0.1454	56	0.18	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0354	5.315	0.0100	5.199	0.5455	0.1454	56	0.21	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0541	5.345	0.2500	5.199	0.5455	0.1454	56	0.27	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0870	5.368	0.3040	5.199	0.5455	0.1454	56	0.31	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	2181	5.400	0.3200	5.199	0.5455	0.1454	56	0.37	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	2193	5.410	0.1600	5.199	0.5455	0.1454	56	0.39	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0171	5.420	0.0000	5.199	0.5455	0.1454	56	0.41	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	2073	5.420	0.0000	5.199	0.5455	0.1454	56	0.41	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0511	5.430	0.2000	5.199	0.5455	0.1454	56	0.42	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0108	5.445	0.3300	5.199	0.5455	0.1454	56	0.45	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0574	5.445	0.0900	5.199	0.5455	0.1454	56	0.45	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0098	5.450	0.0400	5.199	0.5455	0.1454	56	0.46	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0144	5.460	0.0200	5.199	0.5455	0.1454	56	0.48	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0358	5.465	0.2700	5.199	0.5455	0.1454	56	0.49	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0062	5.500	0.1400	5.199	0.5455	0.1454	56	0.55	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	2188	5.500	0.1000	5.199	0.5455	0.1454	56	0.55	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0229	5.588	0.0090	5.199	0.5455	0.1454	56	0.71	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	2184	5.595	0.0500	5.199	0.5455	0.1454	56	0.73	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0407	5.610	0.0903	5.199	0.5455	0.1454	56	0.75	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0242	5.620	0.2000	5.199	0.5455	0.1454	56	0.77	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0202	5.629	0.0750	5.199	0.5455	0.1454	56	0.79	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0265	5.650	0.3000	5.199	0.5455	0.1454	56	0.83	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0685	5.680	0.0000	5.199	0.5455	0.1454	56	0.88	5%	0
011.01	Loss on Drying, 135°C 2hr (%)	0164	5.700	0.0800	5.199	0.5455	0.1454	56	0.92	5%	0
011.01	Loss on Drying, 135°C 2hr (%)	0859	5.711	0.0490	5.199	0.5455	0.1454	56	0.94	5%	0
011.01	Loss on Drying, 135°C 2hr (%)	2031	5.863	0.1050	5.199	0.5455	0.1454	56	1.22	6%	0
011.01	Loss on Drying, 135°C 2hr (%)	0066	5.895	0.1700	5.199	0.5455	0.1454	56	1.28	7%	0
011.01	Loss on Drying, 135°C 2hr (%)	0843	5.960	0.1200	5.199	0.5455	0.1454	56	1.40	7%	0
011.01	Loss on Drying, 135°C 2hr (%)	0004	6.040	0.0400	5.199	0.5455	0.1454	56	1.54	8%	0
011.01	Loss on Drying, 135°C 2hr (%)	0589	6.320	0.0600	5.199	0.5455	0.1454	56	2.06	11%	0
011.01	Loss on Drying, 135°C 2hr (%)	0553	5.635	1.090	5.199	0.5455	0.1454	56	0.80	4%	1

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
011.02	Loss on Drying, 130°C for 2 hours (%)	2075	3.860	0.3200				2			0
011.02	Loss on Drying, 130°C for 2 hours (%)	0942	4.720	0.5000				2			0
011.99	Loss on Drying, High Temp. Methods Miscellaneous (%)	0857	5.050	0.1000				2			0
011.99	Loss on Drying, High Temp. Methods Miscellaneous (%)	0852	6.545	0.1100				2			0
012.00	Starch, Polarimetric (Ewers) (%)	2006	0.8500	0.0200				1			0
012.00	Starch, Polarimetric (Ewers) (%)	0164	< 1					1			5
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	0956	1.900	0.0000	3.526	1.981	0.4909	7	-0.82	23%	0
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	0164	2.350	0.1000	3.526	1.981	0.4909	7	-0.59	17%	0
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	0870	2.374	0.0602	3.526	1.981	0.4909	7	-0.58	16%	0
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	0148	2.605	0.4900	3.526	1.981	0.4909	7	-0.46	13%	0
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	2242	3.620	0.2600	3.526	1.981	0.4909	7	0.05	1%	0
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	0265	5.335	0.6500	3.526	1.981	0.4909	7	0.91	26%	0
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	0918	14.62	1.876	3.526	1.981	0.4909	7	5.60	157%	0
012.03	Starch, Enzymatic-Colorimetric Method, Miscellaneous (%)	0407	1.290	0.0521				1			0
012.04	Starch, Enzymatic-Enzyme Membrane Technology (YSI) (%)	0353	1.850	0.0800				2			0
012.04	Starch, Enzymatic-Enzyme Membrane Technology (YSI) (%)	0278	2.100	0.0000				2			0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2073	1.475	0.0300	2.473	0.9018	0.1900	6	-1.11	20%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0242	1.915	0.0100	2.473	0.9018	0.1900	6	-0.62	11%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2150	2.460	0.3400	2.473	0.9018	0.1900	6	-0.01	0%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0541	2.580	0.6400	2.473	0.9018	0.1900	6	0.12	2%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0202	2.584	0.1160	2.473	0.9018	0.1900	6	0.12	2%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2076	3.992	0.0038	2.473	0.9018	0.1900	6	1.68	31%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0650	1.475	0.3500	2.550	0.7345	0.1161	11	-1.46	21%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0874	1.660	0.2600	2.550	0.7345	0.1161	11	-1.21	17%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0164	2.330	0.0200	2.550	0.7345	0.1161	11	-0.30	4%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0407	2.416	0.0900	2.550	0.7345	0.1161	11	-0.18	3%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0148	2.430	0.0200	2.550	0.7345	0.1161	11	-0.16	2%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0870	2.432	0.1557	2.550	0.7345	0.1161	11	-0.16	2%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	2264	2.528	0.1619	2.550	0.7345	0.1161	11	-0.03	0%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0682	2.640	0.0000	2.550	0.7345	0.1161	11	0.12	2%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	2033	3.180	0.0200	2.550	0.7345	0.1161	11	0.86	12%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	2259	3.391	0.0590	2.550	0.7345	0.1161	11	1.14	16%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0425	3.570	0.1400	2.550	0.7345	0.1161	11	1.39	20%	0
013.10	Fat, Acid Pretreat, Soxtec-Acid Hydrolysis (%)	0638	1.800	0.2000				3			0
013.10	Fat, Acid Pretreat, Soxtec-Acid Hydrolysis (%)	0353	1.880	0.0600				3			0
013.10	Fat, Acid Pretreat, Soxtec-Acid Hydrolysis (%)	0610	1.985	0.0300				3			0
013.13	Fat, Acid Pretreat, Ankom- Acid Hydrolysis (%)	0265	2.425	0.3100				3			0
013.13	Fat, Acid Pretreat, Ankom- Acid Hydrolysis (%)	0843	2.670	0.8000				3			0
013.13	Fat, Acid Pretreat, Ankom- Acid Hydrolysis (%)	0407	3.022	0.0864				3			0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0407	1,105	30.50	1,289	171.1	22.13	4			0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0164	1,200	40.00	1,289	171.1	22.13	4			0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0520	1,356	16.00	1,289	171.1	22.13	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			
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0171	1,493	2.000	1,289	171.1	22.13	4		0	
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0049	1,323	159.6	1,289	171.1	22.13	4		1	
015.42	Aluminum, ICP, Open vessel (mg / kg (ppm))	0560	1,521	74.00				1		0	
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0510	1,245	30.00	1,345	89.99	46.76	6	-1.12	4%	0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0425	1,263	12.00	1,345	89.99	46.76	6	-0.92	3%	0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0169	1,340	20.00	1,345	89.99	46.76	6	-0.06	0%	0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0353	1,378	18.00	1,345	89.99	46.76	6	0.36	1%	0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0918	1,396	100.5	1,345	89.99	46.76	6	0.57	2%	0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0021	1,450	100.0	1,345	89.99	46.76	6	1.16	4%	0
015.52	Aluminum, ICP-MS, Open vessel (mg / kg (ppm))	0186	1,338	36.00				1		0	
015.53	Aluminum, ICP-MS, Microwave (mg / kg (ppm))	0015	1,326	101.0				2		0	
015.53	Aluminum, ICP-MS, Microwave (mg / kg (ppm))	0553	1,620	80.00				2		0	
017.41	Boron, ICP, Dry ash (mg / kg (ppm))	0358	3.925	0.2900	12.83	7.706	1.872	4		0	
017.41	Boron, ICP, Dry ash (mg / kg (ppm))	0407	10.69	0.0366	12.83	7.706	1.872	4		0	
017.41	Boron, ICP, Dry ash (mg / kg (ppm))	0049	14.29	2.220	12.83	7.706	1.872	4		0	
017.41	Boron, ICP, Dry ash (mg / kg (ppm))	0229	22.43	4.940	12.83	7.706	1.872	4		0	
017.42	Boron, ICP, Open vessel (mg / kg (ppm))	0265	6.360	0.8200	14.69	10.71	0.7755	4		0	
017.42	Boron, ICP, Open vessel (mg / kg (ppm))	0560	10.42	0.0700	14.69	10.71	0.7755	4		0	
017.42	Boron, ICP, Open vessel (mg / kg (ppm))	0693	11.59	1.232	14.69	10.71	0.7755	4		0	
017.42	Boron, ICP, Open vessel (mg / kg (ppm))	0294	30.39	0.9800	14.69	10.71	0.7755	4		0	
017.42	Boron, ICP, Open vessel (mg / kg (ppm))	2053	< 4		14.69	10.71	0.7755	4		5	
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0345	11.58	0.0500				3		0	
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0918	16.74	0.1450				3		0	
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0510	17.50	1.000				3		0	
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0353	27.00	4.000				3		1	
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0021	< 25					3		5	
017.53	Boron, ICP-MS, Microwave (mg / kg (ppm))	0015	27.96	5.370				1		0	
019.00	Calcium, Ox-Mn04 Vol. (%)	0893	13.41	0.2400	13.98	0.6022	0.0757	10	-0.94	2%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0623	13.45	0.0346	13.98	0.6022	0.0757	10	-0.88	2%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	2109	13.48	0.1110	13.98	0.6022	0.0757	10	-0.83	2%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0651	13.63	0.0600	13.98	0.6022	0.0757	10	-0.58	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0897	13.71	0.1400	13.98	0.6022	0.0757	10	-0.45	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0683	13.91	0.0800	13.98	0.6022	0.0757	10	-0.11	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	2006	14.30	0.0910	13.98	0.6022	0.0757	10	0.53	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	2190	14.46	0.0000	13.98	0.6022	0.0757	10	0.80	2%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	2246	14.56	0.0000	13.98	0.6022	0.0757	10	0.97	2%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	2181	18.60	0.0000	13.98	0.6022	0.0757	10	7.67	17%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0881	13.66	0.5400	13.98	0.6022	0.0757	10	-0.53	1%	1
019.02	Calcium, Hach Method (%)	2128	14.66	0.5250				1		0	
019.03	Calcium, Semiauto (Autoanalyzer) (%)	0036	13.71	0.0011				1		0	
019.08	Calcium, EDTA (%)	0689	12.09	0.3100	15.30	2.913	0.1139	10	-1.11	11%	0
019.08	Calcium, EDTA (%)	2196	13.65	0.0000	15.30	2.913	0.1139	10	-0.57	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	
019.08	Calcium, EDTA (%)	2193	13.71	0.4300	15.30	2.913	0.1139	10	-0.55	5%	0
019.08	Calcium, EDTA (%)	0885	13.80	0.0811	15.30	2.913	0.1139	10	-0.52	5%	0
019.08	Calcium, EDTA (%)	2188	14.26	0.0100	15.30	2.913	0.1139	10	-0.36	3%	0
019.08	Calcium, EDTA (%)	2190	14.46	0.0000	15.30	2.913	0.1139	10	-0.29	3%	0
019.08	Calcium, EDTA (%)	2009	14.63	0.0266	15.30	2.913	0.1139	10	-0.23	2%	0
019.08	Calcium, EDTA (%)	2199	17.65	0.1000	15.30	2.913	0.1139	10	0.81	8%	0
019.08	Calcium, EDTA (%)	2031	19.13	0.0808	15.30	2.913	0.1139	10	1.31	12%	0
019.08	Calcium, EDTA (%)	0852	19.85	0.1000	15.30	2.913	0.1139	10	1.56	15%	0
019.31	Calcium, AAS, Dry ash (%)	0939	11.15	0.0900	14.04	1.012	0.1476	18	-2.87	10%	0
019.31	Calcium, AAS, Dry ash (%)	0884	12.71	0.2400	14.04	1.012	0.1476	18	-1.32	5%	0
019.31	Calcium, AAS, Dry ash (%)	0536	13.32	0.1200	14.04	1.012	0.1476	18	-0.72	3%	0
019.31	Calcium, AAS, Dry ash (%)	0108	13.37	0.2400	14.04	1.012	0.1476	18	-0.67	2%	0
019.31	Calcium, AAS, Dry ash (%)	0674	13.41	0.0000	14.04	1.012	0.1476	18	-0.63	2%	0
019.31	Calcium, AAS, Dry ash (%)	2196	13.45	0.0000	14.04	1.012	0.1476	18	-0.59	2%	0
019.31	Calcium, AAS, Dry ash (%)	0948	13.48	0.0400	14.04	1.012	0.1476	18	-0.56	2%	0
019.31	Calcium, AAS, Dry ash (%)	0142	13.64	0.0076	14.04	1.012	0.1476	18	-0.40	1%	0
019.31	Calcium, AAS, Dry ash (%)	2258	13.91	0.2700	14.04	1.012	0.1476	18	-0.14	0%	0
019.31	Calcium, AAS, Dry ash (%)	0175	14.05	0.1000	14.04	1.012	0.1476	18	0.01	0%	0
019.31	Calcium, AAS, Dry ash (%)	0868	14.13	0.4700	14.04	1.012	0.1476	18	0.08	0%	0
019.31	Calcium, AAS, Dry ash (%)	2022	14.46	0.0100	14.04	1.012	0.1476	18	0.41	1%	0
019.31	Calcium, AAS, Dry ash (%)	2246	14.59	0.0000	14.04	1.012	0.1476	18	0.54	2%	0
019.31	Calcium, AAS, Dry ash (%)	0001	14.75	0.2300	14.04	1.012	0.1476	18	0.69	2%	0
019.31	Calcium, AAS, Dry ash (%)	0656	14.94	0.3700	14.04	1.012	0.1476	18	0.88	3%	0
019.31	Calcium, AAS, Dry ash (%)	0529	14.97	0.3700	14.04	1.012	0.1476	18	0.91	3%	0
019.31	Calcium, AAS, Dry ash (%)	2248	16.05	0.0000	14.04	1.012	0.1476	18	1.99	7%	0
019.31	Calcium, AAS, Dry ash (%)	0874	16.15	0.1000	14.04	1.012	0.1476	18	2.08	7%	0
019.32	Calcium, AAS, Open vessel (%)	0169	13.35	0.1000				2			0
019.32	Calcium, AAS, Open vessel (%)	0504	14.38	0.1500				2			0
019.33	Calcium, AAS, Microwave (%)	0612	14.48	0.0100				1			0
019.41	Calcium, ICP, Dry ash (%)	0405	10.97	0.0000	13.58	0.9567	0.2914	24	-2.73	10%	0
019.41	Calcium, ICP, Dry ash (%)	0144	11.65	0.3000	13.58	0.9567	0.2914	24	-2.02	7%	0
019.41	Calcium, ICP, Dry ash (%)	0598	12.17	0.2300	13.58	0.9567	0.2914	24	-1.48	5%	0
019.41	Calcium, ICP, Dry ash (%)	0520	12.80	0.4500	13.58	0.9567	0.2914	24	-0.82	3%	0
019.41	Calcium, ICP, Dry ash (%)	0910	12.81	0.9200	13.58	0.9567	0.2914	24	-0.81	3%	0
019.41	Calcium, ICP, Dry ash (%)	0171	12.93	0.0600	13.58	0.9567	0.2914	24	-0.68	2%	0
019.41	Calcium, ICP, Dry ash (%)	0148	13.12	0.4000	13.58	0.9567	0.2914	24	-0.48	2%	0
019.41	Calcium, ICP, Dry ash (%)	0164	13.40	0.6000	13.58	0.9567	0.2914	24	-0.19	1%	0
019.41	Calcium, ICP, Dry ash (%)	0511	13.40	0.2400	13.58	0.9567	0.2914	24	-0.19	1%	0
019.41	Calcium, ICP, Dry ash (%)	0019	13.43	0.0600	13.58	0.9567	0.2914	24	-0.16	1%	0
019.41	Calcium, ICP, Dry ash (%)	0354	13.47	0.0300	13.58	0.9567	0.2914	24	-0.12	0%	0
019.41	Calcium, ICP, Dry ash (%)	0049	13.54	0.4400	13.58	0.9567	0.2914	24	-0.04	0%	0
019.41	Calcium, ICP, Dry ash (%)	0848	13.55	0.0200	13.58	0.9567	0.2914	24	-0.03	0%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
019.41	Calcium, ICP, Dry ash (%)	0653	13.62	0.0700	13.58	0.9567	0.2914	24	0.04	0%	0
019.41	Calcium, ICP, Dry ash (%)	0003	13.65	0.7000	13.58	0.9567	0.2914	24	0.07	0%	0
019.41	Calcium, ICP, Dry ash (%)	0074	13.77	0.2100	13.58	0.9567	0.2914	24	0.19	1%	0
019.41	Calcium, ICP, Dry ash (%)	0229	13.83	0.5800	13.58	0.9567	0.2914	24	0.26	1%	0
019.41	Calcium, ICP, Dry ash (%)	0695	13.93	0.1670	13.58	0.9567	0.2914	24	0.37	1%	0
019.41	Calcium, ICP, Dry ash (%)	0619	14.25	0.1000	13.58	0.9567	0.2914	24	0.70	2%	0
019.41	Calcium, ICP, Dry ash (%)	2259	14.57	0.4310	13.58	0.9567	0.2914	24	1.03	4%	0
019.41	Calcium, ICP, Dry ash (%)	0407	14.67	0.0145	13.58	0.9567	0.2914	24	1.14	4%	0
019.41	Calcium, ICP, Dry ash (%)	0226	14.74	0.1000	13.58	0.9567	0.2914	24	1.21	4%	0
019.41	Calcium, ICP, Dry ash (%)	0358	15.40	0.0400	13.58	0.9567	0.2914	24	1.90	7%	0
019.41	Calcium, ICP, Dry ash (%)	0066	15.72	0.8300	13.58	0.9567	0.2914	24	2.23	8%	0
019.41	Calcium, ICP, Dry ash (%)	0004	14.19	1.890	13.58	0.9567	0.2914	24	0.63	2%	1
019.42	Calcium, ICP, Open vessel (%)	0870	11.51	0.2600	13.72	1.190	0.2564	22	-1.85	8%	0
019.42	Calcium, ICP, Open vessel (%)	0357	11.86	0.4038	13.72	1.190	0.2564	22	-1.56	7%	0
019.42	Calcium, ICP, Open vessel (%)	0685	12.19	0.0200	13.72	1.190	0.2564	22	-1.28	6%	0
019.42	Calcium, ICP, Open vessel (%)	2012	12.29	0.5200	13.72	1.190	0.2564	22	-1.20	5%	0
019.42	Calcium, ICP, Open vessel (%)	0263	12.61	0.0240	13.72	1.190	0.2564	22	-0.93	4%	0
019.42	Calcium, ICP, Open vessel (%)	0294	13.22	0.5300	13.72	1.190	0.2564	22	-0.42	2%	0
019.42	Calcium, ICP, Open vessel (%)	0265	13.50	0.4000	13.72	1.190	0.2564	22	-0.18	1%	0
019.42	Calcium, ICP, Open vessel (%)	0037	13.53	0.1100	13.72	1.190	0.2564	22	-0.16	1%	0
019.42	Calcium, ICP, Open vessel (%)	0042	13.55	0.1000	13.72	1.190	0.2564	22	-0.14	1%	0
019.42	Calcium, ICP, Open vessel (%)	0186	13.60	0.4000	13.72	1.190	0.2564	22	-0.10	0%	0
019.42	Calcium, ICP, Open vessel (%)	0693	13.73	0.3640	13.72	1.190	0.2564	22	0.01	0%	0
019.42	Calcium, ICP, Open vessel (%)	0035	13.74	0.7500	13.72	1.190	0.2564	22	0.02	0%	0
019.42	Calcium, ICP, Open vessel (%)	0045	13.90	0.0000	13.72	1.190	0.2564	22	0.15	1%	0
019.42	Calcium, ICP, Open vessel (%)	0278	13.96	0.0600	13.72	1.190	0.2564	22	0.21	1%	0
019.42	Calcium, ICP, Open vessel (%)	0366	14.00	0.0000	13.72	1.190	0.2564	22	0.24	1%	0
019.42	Calcium, ICP, Open vessel (%)	0560	14.25	0.6678	13.72	1.190	0.2564	22	0.45	2%	0
019.42	Calcium, ICP, Open vessel (%)	0692	14.35	0.5000	13.72	1.190	0.2564	22	0.53	2%	0
019.42	Calcium, ICP, Open vessel (%)	0187	14.60	0.1100	13.72	1.190	0.2564	22	0.74	3%	0
019.42	Calcium, ICP, Open vessel (%)	0726	15.09	0.0100	13.72	1.190	0.2564	22	1.15	5%	0
019.42	Calcium, ICP, Open vessel (%)	2259	15.10	0.0720	13.72	1.190	0.2564	22	1.16	5%	0
019.42	Calcium, ICP, Open vessel (%)	2053	15.20	0.2000	13.72	1.190	0.2564	22	1.25	5%	0
019.42	Calcium, ICP, Open vessel (%)	0190	15.90	0.1400	13.72	1.190	0.2564	22	1.84	8%	0
019.43	Calcium, ICP, Microwave (%)	0964	1.434	0.0260	13.42	0.9439	0.1840	26	-12.70	45%	0
019.43	Calcium, ICP, Microwave (%)	0353	11.36	0.1300	13.42	0.9439	0.1840	26	-2.19	8%	0
019.43	Calcium, ICP, Microwave (%)	0202	11.47	0.2330	13.42	0.9439	0.1840	26	-2.07	7%	0
019.43	Calcium, ICP, Microwave (%)	0083	12.36	0.1400	13.42	0.9439	0.1840	26	-1.12	4%	0
019.43	Calcium, ICP, Microwave (%)	0032	12.75	0.3000	13.42	0.9439	0.1840	26	-0.71	2%	0
019.43	Calcium, ICP, Microwave (%)	0098	12.82	0.6300	13.42	0.9439	0.1840	26	-0.64	2%	0
019.43	Calcium, ICP, Microwave (%)	0036	12.92	0.0972	13.42	0.9439	0.1840	26	-0.53	2%	0
019.43	Calcium, ICP, Microwave (%)	0675	12.94	0.1300	13.42	0.9439	0.1840	26	-0.51	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	
019.43	Calcium, ICP, Microwave (%)	0021	13.00	0.0000	13.42	0.9439	0.1840	26	-0.44	2%	0
019.43	Calcium, ICP, Microwave (%)	0010	13.06	0.0100	13.42	0.9439	0.1840	26	-0.39	1%	0
019.43	Calcium, ICP, Microwave (%)	0918	13.18	0.0950	13.42	0.9439	0.1840	26	-0.25	1%	0
019.43	Calcium, ICP, Microwave (%)	0013	13.20	0.0000	13.42	0.9439	0.1840	26	-0.23	1%	0
019.43	Calcium, ICP, Microwave (%)	0510	13.35	0.0200	13.42	0.9439	0.1840	26	-0.07	0%	0
019.43	Calcium, ICP, Microwave (%)	0345	13.60	0.0600	13.42	0.9439	0.1840	26	0.19	1%	0
019.43	Calcium, ICP, Microwave (%)	0027	13.62	0.1930	13.42	0.9439	0.1840	26	0.21	1%	0
019.43	Calcium, ICP, Microwave (%)	0035	13.70	0.2100	13.42	0.9439	0.1840	26	0.29	1%	0
019.43	Calcium, ICP, Microwave (%)	0425	13.72	0.1300	13.42	0.9439	0.1840	26	0.31	1%	0
019.43	Calcium, ICP, Microwave (%)	2089	13.82	0.1400	13.42	0.9439	0.1840	26	0.42	1%	0
019.43	Calcium, ICP, Microwave (%)	0968	13.87	0.0310	13.42	0.9439	0.1840	26	0.47	2%	0
019.43	Calcium, ICP, Microwave (%)	0017	14.00	0.0290	13.42	0.9439	0.1840	26	0.62	2%	0
019.43	Calcium, ICP, Microwave (%)	0038	14.14	0.4100	13.42	0.9439	0.1840	26	0.76	3%	0
019.43	Calcium, ICP, Microwave (%)	0033	14.20	0.2000	13.42	0.9439	0.1840	26	0.83	3%	0
019.43	Calcium, ICP, Microwave (%)	0682	14.36	0.0000	13.42	0.9439	0.1840	26	1.00	4%	0
019.43	Calcium, ICP, Microwave (%)	0505	14.65	0.5600	13.42	0.9439	0.1840	26	1.30	5%	0
019.43	Calcium, ICP, Microwave (%)	2256	16.30	0.5600	13.42	0.9439	0.1840	26	3.05	11%	0
019.43	Calcium, ICP, Microwave (%)	2192	17.13	0.4500	13.42	0.9439	0.1840	26	3.93	14%	0
019.43	Calcium, ICP, Microwave (%)	2234	19.32	2.170	13.42	0.9439	0.1840	26	6.25	22%	1
019.44	Calcium, ICP, Dry ash (%)	0955	14.00	0.0000				1			0
019.52	Calcium, ICP-MS, Open vessel (%)	0154	11.84	1.464				3			0
019.52	Calcium, ICP-MS, Open vessel (%)	0186	13.95	0.1000				3			0
019.52	Calcium, ICP-MS, Open vessel (%)	0047	16.13	0.5500				3			0
019.53	Calcium, ICP-MS, Microwave (%)	0015	11.54	1.070	12.76	1.308	0.5375	4			0
019.53	Calcium, ICP-MS, Microwave (%)	0939	11.95	0.5800	12.76	1.308	0.5375	4			0
019.53	Calcium, ICP-MS, Microwave (%)	0572	13.10	0.4000	12.76	1.308	0.5375	4			0
019.53	Calcium, ICP-MS, Microwave (%)	0553	14.45	0.1000	12.76	1.308	0.5375	4			0
019.99	Calcium, Miscellaneous (%)	0242	11.77	0.2900	13.04	0.9019	0.4725	4			0
019.99	Calcium, Miscellaneous (%)	0100	13.05	0.7800	13.04	0.9019	0.4725	4			0
019.99	Calcium, Miscellaneous (%)	0889	13.68	0.3598	13.04	0.9019	0.4725	4			0
019.99	Calcium, Miscellaneous (%)	0676	13.68	0.4600	13.04	0.9019	0.4725	4			0
021.31	Cobalt, AAS, Dry ash (mg / kg (ppm))	0689	18.75	3.500	29.19	11.11	1.238	4			0
021.31	Cobalt, AAS, Dry ash (mg / kg (ppm))	2248	20.68	0.0000	29.19	11.11	1.238	4			0
021.31	Cobalt, AAS, Dry ash (mg / kg (ppm))	0164	36.50	1.000	29.19	11.11	1.238	4			0
021.31	Cobalt, AAS, Dry ash (mg / kg (ppm))	0939	40.82	0.4500	29.19	11.11	1.238	4			0
021.41	Cobalt, ICP, Dry ash (mg / kg (ppm))	0955	11.55	1.300	24.19	8.105	0.7303	5			0
021.41	Cobalt, ICP, Dry ash (mg / kg (ppm))	0171	23.47	0.1000	24.19	8.105	0.7303	5			0
021.41	Cobalt, ICP, Dry ash (mg / kg (ppm))	0407	23.50	0.2715	24.19	8.105	0.7303	5			0
021.41	Cobalt, ICP, Dry ash (mg / kg (ppm))	0619	29.90	0.8000	24.19	8.105	0.7303	5			0
021.41	Cobalt, ICP, Dry ash (mg / kg (ppm))	0148	32.52	1.180	24.19	8.105	0.7303	5			0
021.42	Cobalt, ICP, Open vessel (mg / kg (ppm))	0693	26.12	5.335	30.54	3.837	1.442	8	-1.15	7%	0
021.42	Cobalt, ICP, Open vessel (mg / kg (ppm))	2259	27.32	0.5320	30.54	3.837	1.442	8	-0.84	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	
021.42	Cobalt, ICP, Open vessel (mg / kg (ppm))	2053	28.10	0.0000	30.54	3.837	1.442	8	-0.63	4%	0
021.42	Cobalt, ICP, Open vessel (mg / kg (ppm))	0045	29.85	1.100	30.54	3.837	1.442	8	-0.18	1%	0
021.42	Cobalt, ICP, Open vessel (mg / kg (ppm))	0186	31.00	0.0000	30.54	3.837	1.442	8	0.12	1%	0
021.42	Cobalt, ICP, Open vessel (mg / kg (ppm))	0560	32.40	0.4400	30.54	3.837	1.442	8	0.49	3%	0
021.42	Cobalt, ICP, Open vessel (mg / kg (ppm))	0504	33.20	4.020	30.54	3.837	1.442	8	0.69	4%	0
021.42	Cobalt, ICP, Open vessel (mg / kg (ppm))	2012	41.49	0.1100	30.54	3.837	1.442	8	2.85	18%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0353	26.50	1.000	33.48	3.993	1.373	9	-1.75	10%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0169	30.80	3.000	33.48	3.993	1.373	9	-0.67	4%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0345	32.05	0.8500	33.48	3.993	1.373	9	-0.36	2%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0964	32.05	1.266	33.48	3.993	1.373	9	-0.36	2%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0021	33.00	2.000	33.48	3.993	1.373	9	-0.12	1%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0510	34.18	1.470	33.48	3.993	1.373	9	0.17	1%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0027	35.28	0.1640	33.48	3.993	1.373	9	0.45	3%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0013	37.00	1.400	33.48	3.993	1.373	9	0.88	5%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0038	41.08	1.210	33.48	3.993	1.373	9	1.90	11%	0
021.51	Cobalt, ICP-MS, Dry ash (mg / kg (ppm))	2146	34.81	0.4800				1			0
021.52	Cobalt, ICP-MS, Open vessel (mg / kg (ppm))	0910	33.82	5.010				3			0
021.52	Cobalt, ICP-MS, Open vessel (mg / kg (ppm))	0186	34.00	0.0000				3			0
021.52	Cobalt, ICP-MS, Open vessel (mg / kg (ppm))	0047	44.80	1.180				3			0
021.53	Cobalt, ICP-MS, Microwave (mg / kg (ppm))	0033	34.10	0.0000	36.20	1.922	1.089	5			0
021.53	Cobalt, ICP-MS, Microwave (mg / kg (ppm))	0939	34.95	0.2200	36.20	1.922	1.089	5			0
021.53	Cobalt, ICP-MS, Microwave (mg / kg (ppm))	0918	36.28	1.127	36.20	1.922	1.089	5			0
021.53	Cobalt, ICP-MS, Microwave (mg / kg (ppm))	0021	36.50	3.000	36.20	1.922	1.089	5			0
021.53	Cobalt, ICP-MS, Microwave (mg / kg (ppm))	0553	39.15	1.100	36.20	1.922	1.089	5			0
021.53	Cobalt, ICP-MS, Microwave (mg / kg (ppm))	0015	42.95	11.87	36.20	1.922	1.089	5			1
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	2196	1,366	0.0000	1,429	49.20	20.80	15	-1.28	2%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0689	1,371	9.300	1,429	49.20	20.80	15	-1.18	2%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0001	1,386	66.00	1,429	49.20	20.80	15	-0.87	2%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0175	1,400	0.0000	1,429	49.20	20.80	15	-0.59	1%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	2146	1,407	41.00	1,429	49.20	20.80	15	-0.46	1%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0536	1,413	5.000	1,429	49.20	20.80	15	-0.34	1%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	2188	1,418	2.700	1,429	49.20	20.80	15	-0.23	0%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0868	1,419	26.70	1,429	49.20	20.80	15	-0.19	0%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0529	1,420	2.500	1,429	49.20	20.80	15	-0.18	0%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	2248	1,440	0.0000	1,429	49.20	20.80	15	0.22	0%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0939	1,446	46.00	1,429	49.20	20.80	15	0.35	1%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	2246	1,462	4.000	1,429	49.20	20.80	15	0.67	1%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0656	1,482	29.86	1,429	49.20	20.80	15	1.08	2%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0884	1,508	63.00	1,429	49.20	20.80	15	1.60	3%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	2022	1,510	16.00	1,429	49.20	20.80	15	1.65	3%	0
022.32	Copper, AAS, Open vessel (mg / kg (ppm))	0504	1,557	75.00				1			0
022.33	Copper, AAS, Microwave (mg / kg (ppm))	0948	1,385	23.72				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			
022.33	Copper, AAS, Microwave (mg / kg (ppm))	0010	1,531	31.00				2			0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0619	1,227	115.0	1,394	122.0	33.97	23	-1.38	6%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0653	1,263	36.00	1,394	122.0	33.97	23	-1.08	5%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0848	1,267	1.380	1,394	122.0	33.97	23	-1.05	5%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0407	1,269	56.19	1,394	122.0	33.97	23	-1.03	5%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0171	1,280	27.00	1,394	122.0	33.97	23	-0.94	4%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0511	1,284	27.00	1,394	122.0	33.97	23	-0.91	4%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0520	1,305	54.00	1,394	122.0	33.97	23	-0.73	3%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0955	1,336	19.00	1,394	122.0	33.97	23	-0.48	2%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0019	1,345	26.00	1,394	122.0	33.97	23	-0.40	2%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0910	1,359	60.00	1,394	122.0	33.97	23	-0.29	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0598	1,366	32.00	1,394	122.0	33.97	23	-0.23	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0405	1,366	0.0000	1,394	122.0	33.97	23	-0.23	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0695	1,387	20.31	1,394	122.0	33.97	23	-0.06	0%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0354	1,412	19.60	1,394	122.0	33.97	23	0.14	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0074	1,473	10.00	1,394	122.0	33.97	23	0.64	3%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0003	1,474	111.0	1,394	122.0	33.97	23	0.65	3%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0164	1,485	30.00	1,394	122.0	33.97	23	0.74	3%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0229	1,492	13.00	1,394	122.0	33.97	23	0.80	3%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0720	1,502	11.40	1,394	122.0	33.97	23	0.88	4%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0148	1,517	52.07	1,394	122.0	33.97	23	1.00	4%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0004	1,541	7.260	1,394	122.0	33.97	23	1.20	5%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0226	1,546	44.00	1,394	122.0	33.97	23	1.24	5%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0358	1,694	9.020	1,394	122.0	33.97	23	2.45	11%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0049	1,431	232.7	1,394	122.0	33.97	23	0.30	1%	1
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0357	1,308	28.89	1,436	95.64	53.79	22	-1.34	4%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0294	1,337	20.48	1,436	95.64	53.79	22	-1.03	3%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0263	1,341	41.90	1,436	95.64	53.79	22	-1.00	3%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0366	1,355	90.00	1,436	95.64	53.79	22	-0.85	3%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0685	1,358	17.02	1,436	95.64	53.79	22	-0.82	3%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0870	1,366	93.00	1,436	95.64	53.79	22	-0.74	2%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0042	1,369	83.00	1,436	95.64	53.79	22	-0.71	2%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0265	1,380	100.0	1,436	95.64	53.79	22	-0.59	2%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0186	1,385	96.00	1,436	95.64	53.79	22	-0.54	2%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	2053	1,394	18.00	1,436	95.64	53.79	22	-0.44	1%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0045	1,415	10.00	1,436	95.64	53.79	22	-0.22	1%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0278	1,417	3.200	1,436	95.64	53.79	22	-0.20	1%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0035	1,452	70.00	1,436	95.64	53.79	22	0.17	1%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0190	1,472	7.020	1,436	95.64	53.79	22	0.37	1%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0693	1,492	135.4	1,436	95.64	53.79	22	0.58	2%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	2012	1,496	1.090	1,436	95.64	53.79	22	0.62	2%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0560	1,496	17.00	1,436	95.64	53.79	22	0.63	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	
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	2259	1,514	24.57	1,436	95.64	53.79	22	0.82	3%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0187	1,537	18.20	1,436	95.64	53.79	22	1.05	4%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0504	1,555	86.00	1,436	95.64	53.79	22	1.24	4%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0692	1,580	20.00	1,436	95.64	53.79	22	1.50	5%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0037	1,605	202.7	1,436	95.64	53.79	22	1.77	6%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0726	800.5	1,303	1,436	95.64	53.79	22	-6.65	22%	1
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0202	1,197	2.615	1,443	102.6	42.96	25	-2.40	9%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0038	1,241	70.00	1,443	102.6	42.96	25	-1.97	7%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0345	1,308	15.00	1,443	102.6	42.96	25	-1.32	5%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0918	1,328	39.86	1,443	102.6	42.96	25	-1.12	4%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0510	1,365	10.00	1,443	102.6	42.96	25	-0.76	3%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0505	1,377	6.000	1,443	102.6	42.96	25	-0.65	2%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0083	1,381	20.00	1,443	102.6	42.96	25	-0.61	2%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0425	1,393	45.00	1,443	102.6	42.96	25	-0.49	2%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0021	1,400	0.0000	1,443	102.6	42.96	25	-0.42	1%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0353	1,421	6.000	1,443	102.6	42.96	25	-0.22	1%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0968	1,424	4.000	1,443	102.6	42.96	25	-0.19	1%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	2192	1,430	98.00	1,443	102.6	42.96	25	-0.13	0%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0169	1,445	10.00	1,443	102.6	42.96	25	0.02	0%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0682	1,454	0.0000	1,443	102.6	42.96	25	0.11	0%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0027	1,455	115.4	1,443	102.6	42.96	25	0.12	0%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0017	1,481	35.61	1,443	102.6	42.96	25	0.37	1%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0032	1,485	30.00	1,443	102.6	42.96	25	0.41	1%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0035	1,495	20.00	1,443	102.6	42.96	25	0.50	2%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0098	1,496	117.0	1,443	102.6	42.96	25	0.51	2%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0033	1,505	130.0	1,443	102.6	42.96	25	0.60	2%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0964	1,536	59.99	1,443	102.6	42.96	25	0.90	3%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	2089	1,570	55.56	1,443	102.6	42.96	25	1.24	4%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0675	1,577	50.08	1,443	102.6	42.96	25	1.30	5%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	2256	1,580	0.5500	1,443	102.6	42.96	25	1.33	5%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	2234	1,647	133.4	1,443	102.6	42.96	25	1.98	7%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0013	1,560	220.0	1,443	102.6	42.96	25	1.14	4%	1
022.44	Copper, ICP, Dry ash (mg / kg (ppm))	0066	1,631	37.75				1			0
022.51	Copper, ICP-MS, Dry ash (mg / kg (ppm))	2146	1,375	78.00				1			0
022.52	Copper, ICP-MS, Open vessel (mg / kg (ppm))	0186	1,202	31.00				2			0
022.52	Copper, ICP-MS, Open vessel (mg / kg (ppm))	0047	1,469	9.000				2			0
022.53	Copper, ICP-MS, Microwave (mg / kg (ppm))	0572	1,380	0.0000	1,416	33.13	69.68	4			0
022.53	Copper, ICP-MS, Microwave (mg / kg (ppm))	0939	1,396	11.00	1,416	33.13	69.68	4			0
022.53	Copper, ICP-MS, Microwave (mg / kg (ppm))	0015	1,437	167.7	1,416	33.13	69.68	4			0
022.53	Copper, ICP-MS, Microwave (mg / kg (ppm))	0021	1,450	100.0	1,416	33.13	69.68	4			0
022.99	Copper, Miscellaneous (mg / kg (ppm))	0100	1,413	52.00				2			0
022.99	Copper, Miscellaneous (mg / kg (ppm))	0242	1,425	60.00				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			
024.03	Iodine, Ion-selective electrode (mg / kg (ppm))	0171	113.0	6.000				1			0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0689	2,298	140.7	4,282	805.7	68.91	14	-2.46	23%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0536	3,123	120.0	4,282	805.7	68.91	14	-1.44	14%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	2248	3,257	0.0000	4,282	805.7	68.91	14	-1.27	12%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0874	3,760	0.0000	4,282	805.7	68.91	14	-0.65	6%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	2196	4,439	0.0000	4,282	805.7	68.91	14	0.19	2%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0001	4,480	156.0	4,282	805.7	68.91	14	0.25	2%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0505	4,501	58.00	4,282	805.7	68.91	14	0.27	3%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0939	4,533	100.0	4,282	805.7	68.91	14	0.31	3%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0175	4,550	100.0	4,282	805.7	68.91	14	0.33	3%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	2022	4,563	25.00	4,282	805.7	68.91	14	0.35	3%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0529	4,597	66.20	4,282	805.7	68.91	14	0.39	4%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0868	4,660	57.10	4,282	805.7	68.91	14	0.47	4%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	2246	4,920	28.00	4,282	805.7	68.91	14	0.79	7%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0884	5,678	113.7	4,282	805.7	68.91	14	1.73	16%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	2188	4,463	558.6	4,282	805.7	68.91	14	0.22	2%	1
025.32	Iron, AAS, Open vessel (mg / kg (ppm))	0504	4,722	150.0				1			0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0720	3,049	51.50	4,401	515.3	123.4	24	-2.62	15%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0955	3,156	219.0	4,401	515.3	123.4	24	-2.42	14%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0405	3,171	0.0000	4,401	515.3	123.4	24	-2.39	14%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0695	3,382	24.97	4,401	515.3	123.4	24	-1.98	12%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0598	3,849	6.000	4,401	515.3	123.4	24	-1.07	6%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0653	3,874	119.0	4,401	515.3	123.4	24	-1.02	6%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0049	4,257	16.09	4,401	515.3	123.4	24	-0.28	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0074	4,300	146.0	4,401	515.3	123.4	24	-0.20	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0354	4,303	129.3	4,401	515.3	123.4	24	-0.19	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0407	4,504	396.9	4,401	515.3	123.4	24	0.20	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0171	4,504	4.000	4,401	515.3	123.4	24	0.20	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0520	4,511	233.0	4,401	515.3	123.4	24	0.21	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0511	4,569	39.00	4,401	515.3	123.4	24	0.32	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0003	4,588	52.00	4,401	515.3	123.4	24	0.36	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0910	4,589	435.0	4,401	515.3	123.4	24	0.36	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0019	4,673	108.0	4,401	515.3	123.4	24	0.53	3%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0358	4,673	124.4	4,401	515.3	123.4	24	0.53	3%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0164	4,725	70.00	4,401	515.3	123.4	24	0.63	4%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0226	4,760	459.0	4,401	515.3	123.4	24	0.70	4%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0004	4,779	123.0	4,401	515.3	123.4	24	0.73	4%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0229	4,823	35.00	4,401	515.3	123.4	24	0.82	5%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0148	4,883	22.21	4,401	515.3	123.4	24	0.93	5%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0066	4,910	24.86	4,401	515.3	123.4	24	0.99	6%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0619	5,043	123.0	4,401	515.3	123.4	24	1.24	7%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0693	4,146	525.3	4,695	416.1	146.0	17	-1.32	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	
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0870	4,153	66.00	4,695	416.1	146.0	17	-1.30	6%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0042	4,213	65.00	4,695	416.1	146.0	17	-1.16	5%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	2012	4,469	45.02	4,695	416.1	146.0	17	-0.54	2%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0278	4,504	100.0	4,695	416.1	146.0	17	-0.46	2%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0294	4,517	174.7	4,695	416.1	146.0	17	-0.43	2%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0366	4,525	50.00	4,695	416.1	146.0	17	-0.41	2%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0263	4,603	20.00	4,695	416.1	146.0	17	-0.22	1%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0265	4,645	290.0	4,695	416.1	146.0	17	-0.12	1%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0035	4,714	127.0	4,695	416.1	146.0	17	0.04	0%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0187	4,752	30.12	4,695	416.1	146.0	17	0.14	1%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0045	4,850	80.00	4,695	416.1	146.0	17	0.37	2%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0037	4,898	64.40	4,695	416.1	146.0	17	0.49	2%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0560	5,062	310.7	4,695	416.1	146.0	17	0.88	4%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0692	5,125	370.0	4,695	416.1	146.0	17	1.03	5%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0190	5,326	99.10	4,695	416.1	146.0	17	1.52	7%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0726	5,365	64.00	4,695	416.1	146.0	17	1.61	7%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0038	4,039	16.00	4,519	290.9	104.0	21	-1.65	5%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2192	4,126	24.00	4,519	290.9	104.0	21	-1.35	4%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0353	4,134	474.0	4,519	290.9	104.0	21	-1.32	4%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0425	4,234	197.0	4,519	290.9	104.0	21	-0.98	3%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0345	4,253	55.00	4,519	290.9	104.0	21	-0.92	3%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0675	4,349	25.42	4,519	290.9	104.0	21	-0.58	2%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0033	4,370	80.00	4,519	290.9	104.0	21	-0.51	2%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0083	4,470	20.00	4,519	290.9	104.0	21	-0.17	1%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0510	4,470	80.00	4,519	290.9	104.0	21	-0.17	1%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0169	4,480	140.0	4,519	290.9	104.0	21	-0.13	0%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0032	4,595	10.00	4,519	290.9	104.0	21	0.26	1%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0021	4,600	400.0	4,519	290.9	104.0	21	0.28	1%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0918	4,610	29.07	4,519	290.9	104.0	21	0.31	1%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0017	4,631	50.40	4,519	290.9	104.0	21	0.39	1%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0964	4,667	10.91	4,519	290.9	104.0	21	0.51	2%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0968	4,707	2.000	4,519	290.9	104.0	21	0.65	2%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0098	4,725	117.0	4,519	290.9	104.0	21	0.71	2%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0013	4,725	110.0	4,519	290.9	104.0	21	0.71	2%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0035	4,762	53.00	4,519	290.9	104.0	21	0.83	3%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0682	4,953	0.0000	4,519	290.9	104.0	21	1.49	5%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2089	5,234	290.0	4,519	290.9	104.0	21	2.46	8%	0
025.52	Iron, ICP-MS, Open vessel (mg / kg (ppm))	0154	1,058	142.7				2			0
025.52	Iron, ICP-MS, Open vessel (mg / kg (ppm))	0047	4,615	9.000				2			0
025.53	Iron, ICP-MS, Microwave (mg / kg (ppm))	0015	4,205	262.4				3			0
025.53	Iron, ICP-MS, Microwave (mg / kg (ppm))	0939	4,763	6.000				3			0
025.53	Iron, ICP-MS, Microwave (mg / kg (ppm))	0553	4,820	20.00				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			
025.99	Iron, Miscellaneous (mg / kg (ppm))	0242	3,920	6.000				2			0
025.99	Iron, Miscellaneous (mg / kg (ppm))	0100	4,856	246.0				2			0
027.31	Magnesium, AAS, Dry ash (%)	0689	0.7800	0.0200	1.844	0.1207	0.0535	16	-8.81	29%	0
027.31	Magnesium, AAS, Dry ash (%)	2248	1.669	0.0000	1.844	0.1207	0.0535	16	-1.45	5%	0
027.31	Magnesium, AAS, Dry ash (%)	0939	1.755	0.0100	1.844	0.1207	0.0535	16	-0.73	2%	0
027.31	Magnesium, AAS, Dry ash (%)	0142	1.757	0.0300	1.844	0.1207	0.0535	16	-0.72	2%	0
027.31	Magnesium, AAS, Dry ash (%)	0175	1.775	0.0500	1.844	0.1207	0.0535	16	-0.57	2%	0
027.31	Magnesium, AAS, Dry ash (%)	2196	1.800	0.0000	1.844	0.1207	0.0535	16	-0.36	1%	0
027.31	Magnesium, AAS, Dry ash (%)	2022	1.814	0.0120	1.844	0.1207	0.0535	16	-0.24	1%	0
027.31	Magnesium, AAS, Dry ash (%)	0884	1.850	0.1400	1.844	0.1207	0.0535	16	0.05	0%	0
027.31	Magnesium, AAS, Dry ash (%)	0868	1.865	0.0700	1.844	0.1207	0.0535	16	0.18	1%	0
027.31	Magnesium, AAS, Dry ash (%)	2146	1.865	0.1500	1.844	0.1207	0.0535	16	0.18	1%	0
027.31	Magnesium, AAS, Dry ash (%)	0874	1.870	0.0400	1.844	0.1207	0.0535	16	0.22	1%	0
027.31	Magnesium, AAS, Dry ash (%)	0529	1.880	0.1780	1.844	0.1207	0.0535	16	0.30	1%	0
027.31	Magnesium, AAS, Dry ash (%)	0001	1.965	0.0260	1.844	0.1207	0.0535	16	1.01	3%	0
027.31	Magnesium, AAS, Dry ash (%)	0656	1.970	0.0600	1.844	0.1207	0.0535	16	1.05	3%	0
027.31	Magnesium, AAS, Dry ash (%)	2246	1.975	0.0700	1.844	0.1207	0.0535	16	1.09	4%	0
027.31	Magnesium, AAS, Dry ash (%)	0536	2.080	0.0000	1.844	0.1207	0.0535	16	1.96	6%	0
027.32	Magnesium, AAS, Open vessel (%)	0169	1.760	0.0400				2			0
027.32	Magnesium, AAS, Open vessel (%)	0504	1.835	0.0270				2			0
027.33	Magnesium, AAS, Microwave (%)	0010	1.775	0.0900				2			0
027.33	Magnesium, AAS, Microwave (%)	0948	1.840	0.0100				2			0
027.41	Magnesium, ICP, Dry ash (%)	0598	1.534	0.0030	1.825	0.1230	0.0676	23	-2.37	8%	0
027.41	Magnesium, ICP, Dry ash (%)	0405	1.680	0.0000	1.825	0.1230	0.0676	23	-1.18	4%	0
027.41	Magnesium, ICP, Dry ash (%)	0049	1.690	0.1400	1.825	0.1230	0.0676	23	-1.10	4%	0
027.41	Magnesium, ICP, Dry ash (%)	0019	1.720	0.0600	1.825	0.1230	0.0676	23	-0.85	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0511	1.720	0.0000	1.825	0.1230	0.0676	23	-0.85	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0229	1.733	0.0050	1.825	0.1230	0.0676	23	-0.75	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0910	1.750	0.2200	1.825	0.1230	0.0676	23	-0.61	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0354	1.775	0.0100	1.825	0.1230	0.0676	23	-0.41	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0407	1.791	0.0547	1.825	0.1230	0.0676	23	-0.27	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0003	1.795	0.2100	1.825	0.1230	0.0676	23	-0.24	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0520	1.795	0.1500	1.825	0.1230	0.0676	23	-0.24	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0720	1.805	0.0300	1.825	0.1230	0.0676	23	-0.16	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0164	1.815	0.0500	1.825	0.1230	0.0676	23	-0.08	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0004	1.835	0.1300	1.825	0.1230	0.0676	23	0.08	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0148	1.835	0.1300	1.825	0.1230	0.0676	23	0.08	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0171	1.886	0.0360	1.825	0.1230	0.0676	23	0.50	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0653	1.893	0.0370	1.825	0.1230	0.0676	23	0.55	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0695	1.903	0.0600	1.825	0.1230	0.0676	23	0.63	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0074	1.930	0.0400	1.825	0.1230	0.0676	23	0.85	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0226	1.975	0.0100	1.825	0.1230	0.0676	23	1.22	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	
027.41	Magnesium, ICP, Dry ash (%)	0619	1.990	0.0200	1.825	0.1230	0.0676	23	1.34	5%	0
027.41	Magnesium, ICP, Dry ash (%)	0066	2.090	0.0400	1.825	0.1230	0.0676	23	2.15	7%	0
027.41	Magnesium, ICP, Dry ash (%)	0358	2.230	0.1200	1.825	0.1230	0.0676	23	3.29	11%	0
027.42	Magnesium, ICP, Open vessel (%)	0294	1.595	0.0100	1.799	0.1510	0.0652	23	-1.35	6%	0
027.42	Magnesium, ICP, Open vessel (%)	0870	1.649	0.0950	1.799	0.1510	0.0652	23	-1.00	4%	0
027.42	Magnesium, ICP, Open vessel (%)	0357	1.654	0.0155	1.799	0.1510	0.0652	23	-0.96	4%	0
027.42	Magnesium, ICP, Open vessel (%)	0693	1.667	0.2020	1.799	0.1510	0.0652	23	-0.88	4%	0
027.42	Magnesium, ICP, Open vessel (%)	2012	1.690	0.0000	1.799	0.1510	0.0652	23	-0.72	3%	0
027.42	Magnesium, ICP, Open vessel (%)	0190	1.715	0.0500	1.799	0.1510	0.0652	23	-0.56	2%	0
027.42	Magnesium, ICP, Open vessel (%)	0366	1.715	0.0100	1.799	0.1510	0.0652	23	-0.56	2%	0
027.42	Magnesium, ICP, Open vessel (%)	0263	1.724	0.0050	1.799	0.1510	0.0652	23	-0.50	2%	0
027.42	Magnesium, ICP, Open vessel (%)	0186	1.735	0.0300	1.799	0.1510	0.0652	23	-0.43	2%	0
027.42	Magnesium, ICP, Open vessel (%)	0035	1.745	0.0300	1.799	0.1510	0.0652	23	-0.36	2%	0
027.42	Magnesium, ICP, Open vessel (%)	0265	1.745	0.1500	1.799	0.1510	0.0652	23	-0.36	2%	0
027.42	Magnesium, ICP, Open vessel (%)	0042	1.755	0.0100	1.799	0.1510	0.0652	23	-0.29	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0504	1.773	0.0500	1.799	0.1510	0.0652	23	-0.17	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0685	1.775	0.0100	1.799	0.1510	0.0652	23	-0.16	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0045	1.805	0.0700	1.799	0.1510	0.0652	23	0.04	0%	0
027.42	Magnesium, ICP, Open vessel (%)	0278	1.810	0.0400	1.799	0.1510	0.0652	23	0.07	0%	0
027.42	Magnesium, ICP, Open vessel (%)	2053	1.850	0.1000	1.799	0.1510	0.0652	23	0.34	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0692	1.950	0.1400	1.799	0.1510	0.0652	23	1.00	4%	0
027.42	Magnesium, ICP, Open vessel (%)	2259	1.970	0.1330	1.799	0.1510	0.0652	23	1.13	5%	0
027.42	Magnesium, ICP, Open vessel (%)	0187	2.005	0.0100	1.799	0.1510	0.0652	23	1.36	6%	0
027.42	Magnesium, ICP, Open vessel (%)	0560	2.006	0.1399	1.799	0.1510	0.0652	23	1.37	6%	0
027.42	Magnesium, ICP, Open vessel (%)	0726	2.063	0.0090	1.799	0.1510	0.0652	23	1.74	7%	0
027.42	Magnesium, ICP, Open vessel (%)	0037	2.095	0.1900	1.799	0.1510	0.0652	23	1.96	8%	0
027.43	Magnesium, ICP, Microwave (%)	0425	0.1850	0.0100	1.802	0.1729	0.0569	25	-9.35	45%	0
027.43	Magnesium, ICP, Microwave (%)	0202	1.532	0.0300	1.802	0.1729	0.0569	25	-1.56	7%	0
027.43	Magnesium, ICP, Microwave (%)	0968	1.590	0.0080	1.802	0.1729	0.0569	25	-1.23	6%	0
027.43	Magnesium, ICP, Microwave (%)	0098	1.595	0.0300	1.802	0.1729	0.0569	25	-1.20	6%	0
027.43	Magnesium, ICP, Microwave (%)	2192	1.660	0.0800	1.802	0.1729	0.0569	25	-0.82	4%	0
027.43	Magnesium, ICP, Microwave (%)	0083	1.671	0.0880	1.802	0.1729	0.0569	25	-0.76	4%	0
027.43	Magnesium, ICP, Microwave (%)	0510	1.700	0.0000	1.802	0.1729	0.0569	25	-0.59	3%	0
027.43	Magnesium, ICP, Microwave (%)	0021	1.700	0.2000	1.802	0.1729	0.0569	25	-0.59	3%	0
027.43	Magnesium, ICP, Microwave (%)	0038	1.766	0.0510	1.802	0.1729	0.0569	25	-0.21	1%	0
027.43	Magnesium, ICP, Microwave (%)	0032	1.785	0.0500	1.802	0.1729	0.0569	25	-0.10	0%	0
027.43	Magnesium, ICP, Microwave (%)	0345	1.785	0.0100	1.802	0.1729	0.0569	25	-0.10	0%	0
027.43	Magnesium, ICP, Microwave (%)	0675	1.785	0.0100	1.802	0.1729	0.0569	25	-0.10	0%	0
027.43	Magnesium, ICP, Microwave (%)	0013	1.800	0.0400	1.802	0.1729	0.0569	25	-0.01	0%	0
027.43	Magnesium, ICP, Microwave (%)	0033	1.825	0.0300	1.802	0.1729	0.0569	25	0.13	1%	0
027.43	Magnesium, ICP, Microwave (%)	0027	1.845	0.1090	1.802	0.1729	0.0569	25	0.25	1%	0
027.43	Magnesium, ICP, Microwave (%)	0017	1.845	0.0360	1.802	0.1729	0.0569	25	0.25	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	
027.43	Magnesium, ICP, Microwave (%)	0353	1.860	0.0600	1.802	0.1729	0.0569	25	0.34	2%	0
027.43	Magnesium, ICP, Microwave (%)	0035	1.870	0.0200	1.802	0.1729	0.0569	25	0.39	2%	0
027.43	Magnesium, ICP, Microwave (%)	0036	1.905	0.0316	1.802	0.1729	0.0569	25	0.59	3%	0
027.43	Magnesium, ICP, Microwave (%)	0964	1.925	0.0099	1.802	0.1729	0.0569	25	0.71	3%	0
027.43	Magnesium, ICP, Microwave (%)	0505	1.930	0.1000	1.802	0.1729	0.0569	25	0.74	4%	0
027.43	Magnesium, ICP, Microwave (%)	0918	1.941	0.1180	1.802	0.1729	0.0569	25	0.80	4%	0
027.43	Magnesium, ICP, Microwave (%)	0682	2.080	0.0000	1.802	0.1729	0.0569	25	1.61	8%	0
027.43	Magnesium, ICP, Microwave (%)	2234	2.140	0.0600	1.802	0.1729	0.0569	25	1.95	9%	0
027.43	Magnesium, ICP, Microwave (%)	2089	2.540	0.2400	1.802	0.1729	0.0569	25	4.27	20%	0
027.44	Magnesium, ICP, Dry ash (%)	0955	1.825	0.0100				1			0
027.51	Magnesium, ICP-MS, Dry ash (%)	2146	1.800	0.0600				1			0
027.52	Magnesium, ICP-MS, Open vessel (%)	0154	1.466	0.1650				3			0
027.52	Magnesium, ICP-MS, Open vessel (%)	0186	1.840	0.0200				3			0
027.52	Magnesium, ICP-MS, Open vessel (%)	0047	2.035	0.4100				3			0
027.53	Magnesium, ICP-MS, Microwave (%)	0015	1.555	0.1100	1.806	0.2076	0.0775	4			0
027.53	Magnesium, ICP-MS, Microwave (%)	0939	1.775	0.0500	1.806	0.2076	0.0775	4			0
027.53	Magnesium, ICP-MS, Microwave (%)	0572	1.835	0.1100	1.806	0.2076	0.0775	4			0
027.53	Magnesium, ICP-MS, Microwave (%)	0553	2.060	0.0400	1.806	0.2076	0.0775	4			0
027.99	Magnesium, Miscellaneous (%)	0100	1.865	0.1900				3			0
027.99	Magnesium, Miscellaneous (%)	0242	1.885	0.0100				3			0
027.99	Magnesium, Miscellaneous (%)	0889	2.012	0.0097				3			0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	2188	2,779	0.6000	3,009	193.4	58.24	13	-1.19	4%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0529	2,832	70.75	3,009	193.4	58.24	13	-0.92	3%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0939	2,859	79.00	3,009	193.4	58.24	13	-0.78	3%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	2248	2,865	0.0000	3,009	193.4	58.24	13	-0.74	2%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0536	2,878	12.00	3,009	193.4	58.24	13	-0.68	2%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	2022	2,939	13.00	3,009	193.4	58.24	13	-0.37	1%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	2196	2,955	0.0000	3,009	193.4	58.24	13	-0.28	1%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0175	3,050	100.0	3,009	193.4	58.24	13	0.21	1%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0868	3,073	26.60	3,009	193.4	58.24	13	0.33	1%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0656	3,191	123.1	3,009	193.4	58.24	13	0.94	3%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0001	3,196	149.0	3,009	193.4	58.24	13	0.96	3%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	2146	3,206	101.0	3,009	193.4	58.24	13	1.01	3%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0884	3,492	82.00	3,009	193.4	58.24	13	2.50	8%	0
028.32	Manganese, AAS, Open vessel (mg / kg (ppm))	0504	3,248	103.0				1			0
028.33	Manganese, AAS, Microwave (mg / kg (ppm))	0948	2,612	290.7				2			0
028.33	Manganese, AAS, Microwave (mg / kg (ppm))	0010	3,035	50.00				2			0
028.34	Manganese, AAS, Dry ash (mg / kg (ppm))	2246	2,920	14.00				1			0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0720	2,120	24.95	2,857	251.9	78.47	20	-2.93	13%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0407	2,346	5.233	2,857	251.9	78.47	20	-2.03	9%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0520	2,390	192.0	2,857	251.9	78.47	20	-1.85	8%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0405	2,572	0.0000	2,857	251.9	78.47	20	-1.13	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	
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0049	2,736	216.3	2,857	251.9	78.47	20	-0.48	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0598	2,756	36.00	2,857	251.9	78.47	20	-0.40	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0511	2,816	42.00	2,857	251.9	78.47	20	-0.16	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0171	2,831	4.000	2,857	251.9	78.47	20	-0.10	0%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0226	2,832	299.0	2,857	251.9	78.47	20	-0.10	0%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0019	2,835	12.00	2,857	251.9	78.47	20	-0.09	0%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0004	2,909	51.78	2,857	251.9	78.47	20	0.20	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0910	2,935	49.00	2,857	251.9	78.47	20	0.31	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0074	2,961	17.00	2,857	251.9	78.47	20	0.41	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0695	2,975	62.19	2,857	251.9	78.47	20	0.47	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0354	2,981	108.2	2,857	251.9	78.47	20	0.49	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0164	3,041	2.000	2,857	251.9	78.47	20	0.73	3%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0148	3,048	55.01	2,857	251.9	78.47	20	0.76	3%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0229	3,097	64.00	2,857	251.9	78.47	20	0.95	4%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0358	3,170	178.9	2,857	251.9	78.47	20	1.24	5%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0619	3,211	150.0	2,857	251.9	78.47	20	1.41	6%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0003	2,687	523.0	2,857	251.9	78.47	20	-0.68	3%	1
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0870	0.2572	0.0073	2,992	389.6	69.31	22	-7.68	50%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0504	2,494	125.0	2,992	389.6	69.31	22	-1.28	8%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0357	2,506	9.690	2,992	389.6	69.31	22	-1.25	8%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0685	2,580	25.73	2,992	389.6	69.31	22	-1.06	7%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0186	2,696	158.0	2,992	389.6	69.31	22	-0.76	5%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0263	2,744	14.80	2,992	389.6	69.31	22	-0.64	4%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	2012	2,845	32.65	2,992	389.6	69.31	22	-0.38	2%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0042	2,859	4.000	2,992	389.6	69.31	22	-0.34	2%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0278	2,873	89.00	2,992	389.6	69.31	22	-0.31	2%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0035	2,921	97.00	2,992	389.6	69.31	22	-0.18	1%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0693	2,997	0.8730	2,992	389.6	69.31	22	0.01	0%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0045	3,010	20.00	2,992	389.6	69.31	22	0.05	0%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0366	3,020	200.0	2,992	389.6	69.31	22	0.07	0%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0187	3,074	32.24	2,992	389.6	69.31	22	0.21	1%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	2259	3,086	51.60	2,992	389.6	69.31	22	0.24	2%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0560	3,177	106.2	2,992	389.6	69.31	22	0.47	3%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0692	3,185	230.0	2,992	389.6	69.31	22	0.49	3%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0037	3,327	116.8	2,992	389.6	69.31	22	0.86	6%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0265	3,430	140.0	2,992	389.6	69.31	22	1.12	7%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0726	3,508	13.00	2,992	389.6	69.31	22	1.32	9%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0190	3,516	47.25	2,992	389.6	69.31	22	1.35	9%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0294	3,584	11.02	2,992	389.6	69.31	22	1.52	10%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0425	2,500	6.000	2,911	206.9	88.27	23	-1.99	7%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0032	2,642	117.0	2,911	206.9	88.27	23	-1.30	5%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0083	2,682	344.0	2,911	206.9	88.27	23	-1.11	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	
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0038	2,699	94.00	2,911	206.9	88.27	23	-1.03	4%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0202	2,750	22.33	2,911	206.9	88.27	23	-0.78	3%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0510	2,755	30.00	2,911	206.9	88.27	23	-0.76	3%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0098	2,830	71.00	2,911	206.9	88.27	23	-0.40	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0353	2,838	66.00	2,911	206.9	88.27	23	-0.35	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0345	2,852	83.00	2,911	206.9	88.27	23	-0.29	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0033	2,860	40.00	2,911	206.9	88.27	23	-0.25	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0918	2,877	14.05	2,911	206.9	88.27	23	-0.17	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0675	2,892	73.73	2,911	206.9	88.27	23	-0.10	0%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0021	2,900	200.0	2,911	206.9	88.27	23	-0.05	0%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0505	2,919	181.0	2,911	206.9	88.27	23	0.03	0%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0968	2,972	61.00	2,911	206.9	88.27	23	0.29	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0964	2,982	5.803	2,911	206.9	88.27	23	0.34	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0169	3,020	100.0	2,911	206.9	88.27	23	0.53	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0035	3,044	39.00	2,911	206.9	88.27	23	0.64	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0013	3,050	140.0	2,911	206.9	88.27	23	0.67	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0682	3,133	0.0000	2,911	206.9	88.27	23	1.07	4%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2089	3,269	236.9	2,911	206.9	88.27	23	1.73	6%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0017	3,495	38.63	2,911	206.9	88.27	23	2.82	10%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2234	3,835	66.73	2,911	206.9	88.27	23	4.47	16%	0
028.44	Manganese, ICP, Dry ash (mg / kg (ppm))	0955	3,066	297.0				2			0
028.44	Manganese, ICP, Dry ash (mg / kg (ppm))	0066	3,069	8.240				2			0
028.51	Manganese, ICP-MS, Dry ash (mg / kg (ppm))	2146	2,992	71.00				1			0
028.52	Manganese, ICP-MS, Open vessel (mg / kg (ppm))	0186	3,281	114.0				2			0
028.52	Manganese, ICP-MS, Open vessel (mg / kg (ppm))	0047	3,305	35.00				2			0
028.53	Manganese, ICP-MS, Microwave (mg / kg (ppm))	0015	2,624	274.0	2,959	216.8	139.8	5			0
028.53	Manganese, ICP-MS, Microwave (mg / kg (ppm))	2192	2,929	77.00	2,959	216.8	139.8	5			0
028.53	Manganese, ICP-MS, Microwave (mg / kg (ppm))	0572	2,940	20.00	2,959	216.8	139.8	5			0
028.53	Manganese, ICP-MS, Microwave (mg / kg (ppm))	0553	3,130	320.0	2,959	216.8	139.8	5			0
028.53	Manganese, ICP-MS, Microwave (mg / kg (ppm))	0939	3,171	8.000	2,959	216.8	139.8	5			0
028.99	Manganese, Miscellaneous (mg / kg (ppm))	0242	2,516	41.00				2			0
028.99	Manganese, Miscellaneous (mg / kg (ppm))	0100	3,141	37.00				2			0
031.00	Phosphorus, Vol (%)	0893	4.915	0.2100				1			0
031.01	Phosphorus, Photometric (%)	2246	4.380	0.0600	4.907	0.2415	0.0610	35	-2.18	5%	0
031.01	Phosphorus, Photometric (%)	0689	4.475	0.0300	4.907	0.2415	0.0610	35	-1.79	4%	0
031.01	Phosphorus, Photometric (%)	0881	4.562	0.0360	4.907	0.2415	0.0610	35	-1.43	4%	0
031.01	Phosphorus, Photometric (%)	2181	4.610	0.0000	4.907	0.2415	0.0610	35	-1.23	3%	0
031.01	Phosphorus, Photometric (%)	0897	4.655	0.1300	4.907	0.2415	0.0610	35	-1.04	3%	0
031.01	Phosphorus, Photometric (%)	0142	4.689	0.1661	4.907	0.2415	0.0610	35	-0.90	2%	0
031.01	Phosphorus, Photometric (%)	0175	4.705	0.0100	4.907	0.2415	0.0610	35	-0.84	2%	0
031.01	Phosphorus, Photometric (%)	0623	4.730	0.0397	4.907	0.2415	0.0610	35	-0.74	2%	0
031.01	Phosphorus, Photometric (%)	2200	4.750	0.1000	4.907	0.2415	0.0610	35	-0.65	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 (%)	0674	4.770	0.0000	4.907	0.2415	0.0610	35	-0.57	1%	0
031.01	Phosphorus, Photometric (%)	2258	4.770	0.0800	4.907	0.2415	0.0610	35	-0.57	1%	0
031.01	Phosphorus, Photometric (%)	0948	4.795	0.0100	4.907	0.2415	0.0610	35	-0.46	1%	0
031.01	Phosphorus, Photometric (%)	2199	4.835	0.0100	4.907	0.2415	0.0610	35	-0.30	1%	0
031.01	Phosphorus, Photometric (%)	0874	4.845	0.0300	4.907	0.2415	0.0610	35	-0.26	1%	0
031.01	Phosphorus, Photometric (%)	2006	4.862	0.1030	4.907	0.2415	0.0610	35	-0.19	0%	0
031.01	Phosphorus, Photometric (%)	0511	4.865	0.2500	4.907	0.2415	0.0610	35	-0.17	0%	0
031.01	Phosphorus, Photometric (%)	2248	4.867	0.0820	4.907	0.2415	0.0610	35	-0.17	0%	0
031.01	Phosphorus, Photometric (%)	2058	4.870	0.1000	4.907	0.2415	0.0610	35	-0.15	0%	0
031.01	Phosphorus, Photometric (%)	2188	4.870	0.0000	4.907	0.2415	0.0610	35	-0.15	0%	0
031.01	Phosphorus, Photometric (%)	0651	4.880	0.0100	4.907	0.2415	0.0610	35	-0.11	0%	0
031.01	Phosphorus, Photometric (%)	2146	4.965	0.1700	4.907	0.2415	0.0610	35	0.24	1%	0
031.01	Phosphorus, Photometric (%)	0939	5.000	0.0200	4.907	0.2415	0.0610	35	0.38	1%	0
031.01	Phosphorus, Photometric (%)	2190	5.000	0.0000	4.907	0.2415	0.0610	35	0.38	1%	0
031.01	Phosphorus, Photometric (%)	0683	5.005	0.1500	4.907	0.2415	0.0610	35	0.40	1%	0
031.01	Phosphorus, Photometric (%)	2031	5.060	0.0566	4.907	0.2415	0.0610	35	0.63	2%	0
031.01	Phosphorus, Photometric (%)	2009	5.091	0.0020	4.907	0.2415	0.0610	35	0.76	2%	0
031.01	Phosphorus, Photometric (%)	0529	5.095	0.1500	4.907	0.2415	0.0610	35	0.78	2%	0
031.01	Phosphorus, Photometric (%)	2192	5.100	0.0400	4.907	0.2415	0.0610	35	0.80	2%	0
031.01	Phosphorus, Photometric (%)	0884	5.115	0.0100	4.907	0.2415	0.0610	35	0.86	2%	0
031.01	Phosphorus, Photometric (%)	0868	5.130	0.1800	4.907	0.2415	0.0610	35	0.92	2%	0
031.01	Phosphorus, Photometric (%)	2109	5.171	0.0580	4.907	0.2415	0.0610	35	1.09	3%	0
031.01	Phosphorus, Photometric (%)	2193	5.220	0.0400	4.907	0.2415	0.0610	35	1.30	3%	0
031.01	Phosphorus, Photometric (%)	0885	5.243	0.0116	4.907	0.2415	0.0610	35	1.39	3%	0
031.01	Phosphorus, Photometric (%)	2196	5.350	0.0000	4.907	0.2415	0.0610	35	1.83	5%	0
031.01	Phosphorus, Photometric (%)	2022	5.410	0.0000	4.907	0.2415	0.0610	35	2.08	5%	0
031.01	Phosphorus, Photometric (%)	2128	4.479	0.4450	4.907	0.2415	0.0610	35	-1.78	4%	1
031.01	Phosphorus, Photometric (%)	0656	5.620	0.4000	4.907	0.2415	0.0610	35	2.95	7%	1
031.01	Phosphorus, Photometric (%)	0108	1.535	0.0100	4.907	0.2415	0.0610	35	-13.97	34%	2
031.02	Phosphorus, GQMP (AOAC 935.13-Extraction) (%)	0013	4.940	0.0200				3			0
031.02	Phosphorus, GQMP (AOAC 935.13-Extraction) (%)	0505	5.010	0.1400				3			0
031.02	Phosphorus, GQMP (AOAC 935.13-Extraction) (%)	2053	5.105	0.0300				3			0
031.03	Phosphorus, Autoanalyzer (%)	0036	5.003	0.0035				3			0
031.03	Phosphorus, Autoanalyzer (%)	0169	5.240	0.0400				3			0
031.03	Phosphorus, Autoanalyzer (%)	0001	5.263	0.1570				3			0
031.06	Phosphorus, Hach Method (%)	0536	2.095	0.0100				1			0
031.41	Phosphorus, ICP, Dry ash (%)	0848	0.9900	0.0000	4.966	0.4655	0.1564	25	-8.54	40%	0
031.41	Phosphorus, ICP, Dry ash (%)	0520	4.195	0.0700	4.966	0.4655	0.1564	25	-1.66	8%	0
031.41	Phosphorus, ICP, Dry ash (%)	0685	4.405	0.0100	4.966	0.4655	0.1564	25	-1.20	6%	0
031.41	Phosphorus, ICP, Dry ash (%)	0405	4.470	0.0000	4.966	0.4655	0.1564	25	-1.07	5%	0
031.41	Phosphorus, ICP, Dry ash (%)	0144	4.535	0.0700	4.966	0.4655	0.1564	25	-0.93	4%	0
031.41	Phosphorus, ICP, Dry ash (%)	0019	4.575	0.0900	4.966	0.4655	0.1564	25	-0.84	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 (%)	0171	4.670	0.0600	4.966	0.4655	0.1564	25	-0.64	3%	0
031.41	Phosphorus, ICP, Dry ash (%)	0003	4.755	0.5300	4.966	0.4655	0.1564	25	-0.45	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0598	4.860	0.1150	4.966	0.4655	0.1564	25	-0.23	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0910	4.870	0.0400	4.966	0.4655	0.1564	25	-0.21	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0164	4.910	0.1400	4.966	0.4655	0.1564	25	-0.12	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0354	4.925	0.0900	4.966	0.4655	0.1564	25	-0.09	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0653	4.963	0.1090	4.966	0.4655	0.1564	25	-0.01	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0049	4.980	0.2800	4.966	0.4655	0.1564	25	0.03	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0619	5.015	0.1100	4.966	0.4655	0.1564	25	0.11	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0148	5.060	0.2400	4.966	0.4655	0.1564	25	0.20	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0004	5.170	0.4800	4.966	0.4655	0.1564	25	0.44	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0358	5.205	0.2100	4.966	0.4655	0.1564	25	0.51	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0229	5.207	0.1240	4.966	0.4655	0.1564	25	0.52	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0407	5.330	0.0910	4.966	0.4655	0.1564	25	0.78	4%	0
031.41	Phosphorus, ICP, Dry ash (%)	0226	5.410	0.0400	4.966	0.4655	0.1564	25	0.95	4%	0
031.41	Phosphorus, ICP, Dry ash (%)	0074	5.450	0.1600	4.966	0.4655	0.1564	25	1.04	5%	0
031.41	Phosphorus, ICP, Dry ash (%)	0720	5.520	0.1400	4.966	0.4655	0.1564	25	1.19	6%	0
031.41	Phosphorus, ICP, Dry ash (%)	0695	5.859	0.5870	4.966	0.4655	0.1564	25	1.92	9%	0
031.41	Phosphorus, ICP, Dry ash (%)	2259	6.113	0.1250	4.966	0.4655	0.1564	25	2.46	12%	0
031.42	Phosphorus, ICP, Open vessel (%)	0357	4.229	0.0304	5.079	0.3316	0.1156	21	-2.56	8%	0
031.42	Phosphorus, ICP, Open vessel (%)	0042	4.715	0.0300	5.079	0.3316	0.1156	21	-1.10	4%	0
031.42	Phosphorus, ICP, Open vessel (%)	0186	4.750	0.1400	5.079	0.3316	0.1156	21	-0.99	3%	0
031.42	Phosphorus, ICP, Open vessel (%)	0870	4.772	0.0760	5.079	0.3316	0.1156	21	-0.93	3%	0
031.42	Phosphorus, ICP, Open vessel (%)	2012	4.780	0.0000	5.079	0.3316	0.1156	21	-0.90	3%	0
031.42	Phosphorus, ICP, Open vessel (%)	0693	4.814	0.0480	5.079	0.3316	0.1156	21	-0.80	3%	0
031.42	Phosphorus, ICP, Open vessel (%)	0294	4.840	0.1400	5.079	0.3316	0.1156	21	-0.72	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0263	4.920	0.0200	5.079	0.3316	0.1156	21	-0.48	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0045	4.960	0.2400	5.079	0.3316	0.1156	21	-0.36	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0035	5.060	0.2800	5.079	0.3316	0.1156	21	-0.06	0%	0
031.42	Phosphorus, ICP, Open vessel (%)	0504	5.090	0.2580	5.079	0.3316	0.1156	21	0.03	0%	0
031.42	Phosphorus, ICP, Open vessel (%)	0037	5.110	0.1200	5.079	0.3316	0.1156	21	0.09	0%	0
031.42	Phosphorus, ICP, Open vessel (%)	0726	5.247	0.0080	5.079	0.3316	0.1156	21	0.51	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0278	5.250	0.0000	5.079	0.3316	0.1156	21	0.52	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0265	5.265	0.3300	5.079	0.3316	0.1156	21	0.56	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0366	5.270	0.1400	5.079	0.3316	0.1156	21	0.58	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0187	5.285	0.0300	5.079	0.3316	0.1156	21	0.62	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0190	5.370	0.1000	5.079	0.3316	0.1156	21	0.88	3%	0
031.42	Phosphorus, ICP, Open vessel (%)	0560	5.425	0.1832	5.079	0.3316	0.1156	21	1.04	3%	0
031.42	Phosphorus, ICP, Open vessel (%)	0692	5.915	0.1500	5.079	0.3316	0.1156	21	2.52	8%	0
031.42	Phosphorus, ICP, Open vessel (%)	2259	6.464	0.1050	5.079	0.3316	0.1156	21	4.18	14%	0
031.43	Phosphorus, ICP, Microwave (%)	0202	4.015	0.0980	5.056	0.2612	0.0957	24	-3.99	10%	0
031.43	Phosphorus, ICP, Microwave (%)	0425	4.690	0.0400	5.056	0.2612	0.0957	24	-1.40	4%	0

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031.43	Phosphorus, ICP, Microwave (%)	0021	4.800	0.4000	5.056	0.2612	0.0957	24	-0.98	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0010	4.840	0.0800	5.056	0.2612	0.0957	24	-0.83	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0353	4.860	0.1400	5.056	0.2612	0.0957	24	-0.75	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0035	4.905	0.0300	5.056	0.2612	0.0957	24	-0.58	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0027	4.909	0.0630	5.056	0.2612	0.0957	24	-0.57	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0918	4.909	0.0010	5.056	0.2612	0.0957	24	-0.57	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0033	4.960	0.2200	5.056	0.2612	0.0957	24	-0.37	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0968	4.993	0.0030	5.056	0.2612	0.0957	24	-0.24	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0017	5.003	0.0230	5.056	0.2612	0.0957	24	-0.21	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0038	5.015	0.1580	5.056	0.2612	0.0957	24	-0.16	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0345	5.020	0.0600	5.056	0.2612	0.0957	24	-0.14	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0675	5.030	0.1200	5.056	0.2612	0.0957	24	-0.10	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0964	5.069	0.0169	5.056	0.2612	0.0957	24	0.05	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0098	5.123	0.0660	5.056	0.2612	0.0957	24	0.26	1%	0
031.43	Phosphorus, ICP, Microwave (%)	2256	5.130	0.0200	5.056	0.2612	0.0957	24	0.28	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0036	5.156	0.0502	5.056	0.2612	0.0957	24	0.38	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0682	5.200	0.0000	5.056	0.2612	0.0957	24	0.55	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0032	5.340	0.0800	5.056	0.2612	0.0957	24	1.09	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0083	5.413	0.2470	5.056	0.2612	0.0957	24	1.36	4%	0
031.43	Phosphorus, ICP, Microwave (%)	0510	5.430	0.0800	5.056	0.2612	0.0957	24	1.43	4%	0
031.43	Phosphorus, ICP, Microwave (%)	2089	5.455	0.2700	5.056	0.2612	0.0957	24	1.53	4%	0
031.43	Phosphorus, ICP, Microwave (%)	2234	5.675	0.0300	5.056	0.2612	0.0957	24	2.37	6%	0
031.44	Phosphorus, ICP, Dry ash (%)	0955	4.900	0.1400				2			0
031.44	Phosphorus, ICP, Dry ash (%)	0066	5.375	0.1500				2			0
031.51	Phosphorus, ICP-MS, Dry ash (%)	2146	4.935	0.1100				1			0
031.52	Phosphorus, ICP-MS, Open vessel (%)	0154	3.602	0.4175				2			0
031.52	Phosphorus, ICP-MS, Open vessel (%)	0186	5.160	0.0400				2			0
031.53	Phosphorus, ICP-MS, Microwave (%)	0015	4.220	0.1600	4.880	0.5149	0.4400	4			0
031.53	Phosphorus, ICP-MS, Microwave (%)	0572	4.775	0.9100	4.880	0.5149	0.4400	4			0
031.53	Phosphorus, ICP-MS, Microwave (%)	0939	5.095	0.4900	4.880	0.5149	0.4400	4			0
031.53	Phosphorus, ICP-MS, Microwave (%)	0553	5.430	0.2000	4.880	0.5149	0.4400	4			0
031.99	Phosphorus, Miscellaneous (%)	0852	2.750	0.1000	4.361	1.071	0.0493	5			0
031.99	Phosphorus, Miscellaneous (%)	0889	3.785	0.0667	4.361	1.071	0.0493	5			0
031.99	Phosphorus, Miscellaneous (%)	0100	4.980	0.0400	4.361	1.071	0.0493	5			0
031.99	Phosphorus, Miscellaneous (%)	0676	4.990	0.0000	4.361	1.071	0.0493	5			0
031.99	Phosphorus, Miscellaneous (%)	0242	5.300	0.0400	4.361	1.071	0.0493	5			0
032.02	Potassium, Flame Emission (%)	0884	1.895	0.0100				1			0
032.31	Potassium, AAS, Dry ash (%)	0874	1.645	0.0500	1.898	0.0818	0.0452	13	-3.10	7%	0
032.31	Potassium, AAS, Dry ash (%)	2146	1.810	0.1600	1.898	0.0818	0.0452	13	-1.08	2%	0
032.31	Potassium, AAS, Dry ash (%)	2053	1.840	0.0200	1.898	0.0818	0.0452	13	-0.71	2%	0
032.31	Potassium, AAS, Dry ash (%)	0683	1.845	0.0100	1.898	0.0818	0.0452	13	-0.65	1%	0
032.31	Potassium, AAS, Dry ash (%)	0536	1.860	0.0200	1.898	0.0818	0.0452	13	-0.47	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
032.31	Potassium, AAS, Dry ash (%)	0175	1.885	0.0100	1.898	0.0818	0.0452	13	-0.16	0%	0
032.31	Potassium, AAS, Dry ash (%)	0868	1.885	0.0700	1.898	0.0818	0.0452	13	-0.16	0%	0
032.31	Potassium, AAS, Dry ash (%)	0656	1.935	0.0300	1.898	0.0818	0.0452	13	0.45	1%	0
032.31	Potassium, AAS, Dry ash (%)	0529	1.940	0.0400	1.898	0.0818	0.0452	13	0.51	1%	0
032.31	Potassium, AAS, Dry ash (%)	2022	1.940	0.0200	1.898	0.0818	0.0452	13	0.51	1%	0
032.31	Potassium, AAS, Dry ash (%)	0939	1.950	0.0600	1.898	0.0818	0.0452	13	0.63	1%	0
032.31	Potassium, AAS, Dry ash (%)	0948	1.993	0.0840	1.898	0.0818	0.0452	13	1.16	2%	0
032.31	Potassium, AAS, Dry ash (%)	0142	2.050	0.0134	1.898	0.0818	0.0452	13	1.85	4%	0
032.32	Potassium, AAS, Open vessel (%)	0169	1.850	0.0400				2			0
032.32	Potassium, AAS, Open vessel (%)	2246	1.875	0.0100				2			0
032.41	Potassium, ICP, Dry ash (%)	0358	1.160	0.0200	1.923	0.1493	0.0702	24	-5.11	20%	0
032.41	Potassium, ICP, Dry ash (%)	0144	1.685	0.0300	1.923	0.1493	0.0702	24	-1.59	6%	0
032.41	Potassium, ICP, Dry ash (%)	0405	1.780	0.0000	1.923	0.1493	0.0702	24	-0.96	4%	0
032.41	Potassium, ICP, Dry ash (%)	0619	1.785	0.0700	1.923	0.1493	0.0702	24	-0.92	4%	0
032.41	Potassium, ICP, Dry ash (%)	0229	1.807	0.0020	1.923	0.1493	0.0702	24	-0.78	3%	0
032.41	Potassium, ICP, Dry ash (%)	0019	1.820	0.0600	1.923	0.1493	0.0702	24	-0.69	3%	0
032.41	Potassium, ICP, Dry ash (%)	0407	1.844	0.0336	1.923	0.1493	0.0702	24	-0.53	2%	0
032.41	Potassium, ICP, Dry ash (%)	0910	1.850	0.2800	1.923	0.1493	0.0702	24	-0.49	2%	0
032.41	Potassium, ICP, Dry ash (%)	0003	1.860	0.1000	1.923	0.1493	0.0702	24	-0.42	2%	0
032.41	Potassium, ICP, Dry ash (%)	0511	1.860	0.1000	1.923	0.1493	0.0702	24	-0.42	2%	0
032.41	Potassium, ICP, Dry ash (%)	0653	1.896	0.0050	1.923	0.1493	0.0702	24	-0.18	1%	0
032.41	Potassium, ICP, Dry ash (%)	0520	1.900	0.0600	1.923	0.1493	0.0702	24	-0.15	1%	0
032.41	Potassium, ICP, Dry ash (%)	0164	1.915	0.1100	1.923	0.1493	0.0702	24	-0.05	0%	0
032.41	Potassium, ICP, Dry ash (%)	0074	1.920	0.0200	1.923	0.1493	0.0702	24	-0.02	0%	0
032.41	Potassium, ICP, Dry ash (%)	0004	1.965	0.1500	1.923	0.1493	0.0702	24	0.28	1%	0
032.41	Potassium, ICP, Dry ash (%)	0354	1.965	0.0900	1.923	0.1493	0.0702	24	0.28	1%	0
032.41	Potassium, ICP, Dry ash (%)	0049	1.985	0.0500	1.923	0.1493	0.0702	24	0.42	2%	0
032.41	Potassium, ICP, Dry ash (%)	0695	2.015	0.0050	1.923	0.1493	0.0702	24	0.61	2%	0
032.41	Potassium, ICP, Dry ash (%)	0226	2.035	0.0700	1.923	0.1493	0.0702	24	0.75	3%	0
032.41	Potassium, ICP, Dry ash (%)	0171	2.036	0.0140	1.923	0.1493	0.0702	24	0.76	3%	0
032.41	Potassium, ICP, Dry ash (%)	0598	2.073	0.1360	1.923	0.1493	0.0702	24	1.01	4%	0
032.41	Potassium, ICP, Dry ash (%)	0148	2.200	0.1800	1.923	0.1493	0.0702	24	1.86	7%	0
032.41	Potassium, ICP, Dry ash (%)	0720	2.590	0.0400	1.923	0.1493	0.0702	24	4.47	17%	0
032.41	Potassium, ICP, Dry ash (%)	0066	2.790	0.0600	1.923	0.1493	0.0702	24	5.81	23%	0
032.42	Potassium, ICP, Open vessel (%)	0294	1.730	0.0000	2.000	0.2064	0.0520	19	-1.31	7%	0
032.42	Potassium, ICP, Open vessel (%)	0186	1.735	0.0300	2.000	0.2064	0.0520	19	-1.28	7%	0
032.42	Potassium, ICP, Open vessel (%)	2012	1.755	0.0500	2.000	0.2064	0.0520	19	-1.19	6%	0
032.42	Potassium, ICP, Open vessel (%)	0035	1.830	0.0600	2.000	0.2064	0.0520	19	-0.82	4%	0
032.42	Potassium, ICP, Open vessel (%)	0870	1.848	0.0520	2.000	0.2064	0.0520	19	-0.73	4%	0
032.42	Potassium, ICP, Open vessel (%)	0357	1.886	0.0467	2.000	0.2064	0.0520	19	-0.55	3%	0
032.42	Potassium, ICP, Open vessel (%)	0042	1.905	0.0300	2.000	0.2064	0.0520	19	-0.46	2%	0
032.42	Potassium, ICP, Open vessel (%)	0504	1.926	0.0080	2.000	0.2064	0.0520	19	-0.36	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	
032.42	Potassium, ICP, Open vessel (%)	0726	1.955	0.0050	2.000	0.2064	0.0520	19	-0.22	1%	0
032.42	Potassium, ICP, Open vessel (%)	0693	2.005	0.1540	2.000	0.2064	0.0520	19	0.03	0%	0
032.42	Potassium, ICP, Open vessel (%)	0187	2.050	0.0000	2.000	0.2064	0.0520	19	0.24	1%	0
032.42	Potassium, ICP, Open vessel (%)	0692	2.060	0.2000	2.000	0.2064	0.0520	19	0.29	2%	0
032.42	Potassium, ICP, Open vessel (%)	0263	2.070	0.0590	2.000	0.2064	0.0520	19	0.34	2%	0
032.42	Potassium, ICP, Open vessel (%)	0190	2.095	0.0100	2.000	0.2064	0.0520	19	0.46	2%	0
032.42	Potassium, ICP, Open vessel (%)	0560	2.110	0.0439	2.000	0.2064	0.0520	19	0.53	3%	0
032.42	Potassium, ICP, Open vessel (%)	0037	2.175	0.0100	2.000	0.2064	0.0520	19	0.85	4%	0
032.42	Potassium, ICP, Open vessel (%)	0278	2.240	0.0800	2.000	0.2064	0.0520	19	1.16	6%	0
032.42	Potassium, ICP, Open vessel (%)	0366	2.765	0.0500	2.000	0.2064	0.0520	19	3.71	19%	0
032.42	Potassium, ICP, Open vessel (%)	0045	2.790	0.1000	2.000	0.2064	0.0520	19	3.83	20%	0
032.42	Potassium, ICP, Open vessel (%)	0265	1.910	0.2800	2.000	0.2064	0.0520	19	-0.43	2%	1
032.43	Potassium, ICP, Microwave (%)	0510	1.735	0.0100	1.980	0.1728	0.0429	25	-1.42	6%	0
032.43	Potassium, ICP, Microwave (%)	0675	1.750	0.0000	1.980	0.1728	0.0429	25	-1.33	6%	0
032.43	Potassium, ICP, Microwave (%)	0021	1.800	0.0000	1.980	0.1728	0.0429	25	-1.04	5%	0
032.43	Potassium, ICP, Microwave (%)	0202	1.804	0.0040	1.980	0.1728	0.0429	25	-1.02	4%	0
032.43	Potassium, ICP, Microwave (%)	0035	1.870	0.0600	1.980	0.1728	0.0429	25	-0.64	3%	0
032.43	Potassium, ICP, Microwave (%)	0010	1.875	0.0100	1.980	0.1728	0.0429	25	-0.61	3%	0
032.43	Potassium, ICP, Microwave (%)	0098	1.875	0.0500	1.980	0.1728	0.0429	25	-0.61	3%	0
032.43	Potassium, ICP, Microwave (%)	0013	1.890	0.0600	1.980	0.1728	0.0429	25	-0.52	2%	0
032.43	Potassium, ICP, Microwave (%)	0036	1.898	0.0193	1.980	0.1728	0.0429	25	-0.48	2%	0
032.43	Potassium, ICP, Microwave (%)	0425	1.900	0.0200	1.980	0.1728	0.0429	25	-0.46	2%	0
032.43	Potassium, ICP, Microwave (%)	0353	1.905	0.0500	1.980	0.1728	0.0429	25	-0.44	2%	0
032.43	Potassium, ICP, Microwave (%)	0083	1.931	0.0280	1.980	0.1728	0.0429	25	-0.29	1%	0
032.43	Potassium, ICP, Microwave (%)	0505	1.940	0.0400	1.980	0.1728	0.0429	25	-0.23	1%	0
032.43	Potassium, ICP, Microwave (%)	0033	1.995	0.0300	1.980	0.1728	0.0429	25	0.08	0%	0
032.43	Potassium, ICP, Microwave (%)	2256	2.015	0.0900	1.980	0.1728	0.0429	25	0.20	1%	0
032.43	Potassium, ICP, Microwave (%)	0345	2.020	0.0200	1.980	0.1728	0.0429	25	0.23	1%	0
032.43	Potassium, ICP, Microwave (%)	0964	2.032	0.0060	1.980	0.1728	0.0429	25	0.30	1%	0
032.43	Potassium, ICP, Microwave (%)	0027	2.044	0.2070	1.980	0.1728	0.0429	25	0.37	2%	0
032.43	Potassium, ICP, Microwave (%)	0682	2.060	0.0000	1.980	0.1728	0.0429	25	0.46	2%	0
032.43	Potassium, ICP, Microwave (%)	0032	2.070	0.1600	1.980	0.1728	0.0429	25	0.52	2%	0
032.43	Potassium, ICP, Microwave (%)	0918	2.164	0.0800	1.980	0.1728	0.0429	25	1.06	5%	0
032.43	Potassium, ICP, Microwave (%)	0017	2.221	0.0480	1.980	0.1728	0.0429	25	1.39	6%	0
032.43	Potassium, ICP, Microwave (%)	2089	2.235	0.0100	1.980	0.1728	0.0429	25	1.47	6%	0
032.43	Potassium, ICP, Microwave (%)	2234	2.300	0.0400	1.980	0.1728	0.0429	25	1.85	8%	0
032.43	Potassium, ICP, Microwave (%)	0968	2.332	0.0290	1.980	0.1728	0.0429	25	2.03	9%	0
032.43	Potassium, ICP, Microwave (%)	0038	2.359	0.2870	1.980	0.1728	0.0429	25	2.19	10%	1
032.44	Potassium, ICP, Dry ash (%)	0955	1.915	0.0300				1			0
032.51	Potassium, ICP-MS, Dry ash (%)	2146	1.890	0.0400				1			0
032.52	Potassium, ICP-MS, Open vessel (%)	0154	1.277	0.0480				2			0
032.52	Potassium, ICP-MS, Open vessel (%)	0186	1.915	0.0100				2			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
032.53	Potassium, ICP-MS, Microwave (%)	0015	1.630	0.0800	1.864	0.1974	0.1525	4			0
032.53	Potassium, ICP-MS, Microwave (%)	0572	1.830	0.2400	1.864	0.1974	0.1525	4			0
032.53	Potassium, ICP-MS, Microwave (%)	0553	1.885	0.0300	1.864	0.1974	0.1525	4			0
032.53	Potassium, ICP-MS, Microwave (%)	0939	2.110	0.2600	1.864	0.1974	0.1525	4			0
032.99	Potassium, Miscellaneous (%)	0100	1.845	0.0300				3			0
032.99	Potassium, Miscellaneous (%)	0001	1.961	0.0150				3			0
032.99	Potassium, Miscellaneous (%)	0242	2.220	0.0400				3			0
033.00	Salt as chloride, Sol Cl (%)	0539	5.760	0.0000	20.84	1.778	0.1806	18	-8.48	36%	0
033.00	Salt as chloride, Sol Cl (%)	0893	11.34	0.0100	20.84	1.778	0.1806	18	-5.35	23%	0
033.00	Salt as chloride, Sol Cl (%)	0897	18.50	0.1300	20.84	1.778	0.1806	18	-1.32	6%	0
033.00	Salt as chloride, Sol Cl (%)	0353	18.70	0.6800	20.84	1.778	0.1806	18	-1.20	5%	0
033.00	Salt as chloride, Sol Cl (%)	0653	20.10	0.0000	20.84	1.778	0.1806	18	-0.42	2%	0
033.00	Salt as chloride, Sol Cl (%)	2190	20.43	0.0000	20.84	1.778	0.1806	18	-0.23	1%	0
033.00	Salt as chloride, Sol Cl (%)	0045	20.70	0.6000	20.84	1.778	0.1806	18	-0.08	0%	0
033.00	Salt as chloride, Sol Cl (%)	0885	20.82	0.0662	20.84	1.778	0.1806	18	-0.01	0%	0
033.00	Salt as chloride, Sol Cl (%)	2009	21.27	0.1610	20.84	1.778	0.1806	18	0.24	1%	0
033.00	Salt as chloride, Sol Cl (%)	0171	21.33	0.0500	20.84	1.778	0.1806	18	0.27	1%	0
033.00	Salt as chloride, Sol Cl (%)	0511	21.57	0.3500	20.84	1.778	0.1806	18	0.41	2%	0
033.00	Salt as chloride, Sol Cl (%)	2193	21.58	0.0700	20.84	1.778	0.1806	18	0.41	2%	0
033.00	Salt as chloride, Sol Cl (%)	2196	21.74	0.0000	20.84	1.778	0.1806	18	0.51	2%	0
033.00	Salt as chloride, Sol Cl (%)	0169	21.75	0.3000	20.84	1.778	0.1806	18	0.51	2%	0
033.00	Salt as chloride, Sol Cl (%)	0309	21.88	0.0322	20.84	1.778	0.1806	18	0.59	2%	0
033.00	Salt as chloride, Sol Cl (%)	0366	22.15	0.1000	20.84	1.778	0.1806	18	0.74	3%	0
033.00	Salt as chloride, Sol Cl (%)	0693	22.77	0.3710	20.84	1.778	0.1806	18	1.08	5%	0
033.00	Salt as chloride, Sol Cl (%)	0881	23.81	0.3300	20.84	1.778	0.1806	18	1.67	7%	0
033.01	Salt as chloride, Poten Cl (%)	0619	20.90	0.4000	21.89	0.5135	0.3147	29	-1.93	2%	0
033.01	Salt as chloride, Poten Cl (%)	0186	21.00	0.2000	21.89	0.5135	0.3147	29	-1.74	2%	0
033.01	Salt as chloride, Poten Cl (%)	0098	21.26	0.5300	21.89	0.5135	0.3147	29	-1.24	1%	0
033.01	Salt as chloride, Poten Cl (%)	0874	21.35	0.3000	21.89	0.5135	0.3147	29	-1.06	1%	0
033.01	Salt as chloride, Poten Cl (%)	0425	21.42	0.0300	21.89	0.5135	0.3147	29	-0.93	1%	0
033.01	Salt as chloride, Poten Cl (%)	0644	21.54	0.0000	21.89	0.5135	0.3147	29	-0.69	1%	0
033.01	Salt as chloride, Poten Cl (%)	2146	21.57	0.6900	21.89	0.5135	0.3147	29	-0.64	1%	0
033.01	Salt as chloride, Poten Cl (%)	0175	21.60	0.4000	21.89	0.5135	0.3147	29	-0.57	1%	0
033.01	Salt as chloride, Poten Cl (%)	0004	21.63	0.6800	21.89	0.5135	0.3147	29	-0.51	1%	0
033.01	Salt as chloride, Poten Cl (%)	0939	21.69	0.0800	21.89	0.5135	0.3147	29	-0.39	0%	0
033.01	Salt as chloride, Poten Cl (%)	0683	21.71	0.2200	21.89	0.5135	0.3147	29	-0.36	0%	0
033.01	Salt as chloride, Poten Cl (%)	0083	21.72	0.7900	21.89	0.5135	0.3147	29	-0.35	0%	0
033.01	Salt as chloride, Poten Cl (%)	0001	21.81	0.2200	21.89	0.5135	0.3147	29	-0.16	0%	0
033.01	Salt as chloride, Poten Cl (%)	0229	21.82	0.0200	21.89	0.5135	0.3147	29	-0.14	0%	0
033.01	Salt as chloride, Poten Cl (%)	0164	21.85	0.1000	21.89	0.5135	0.3147	29	-0.08	0%	0
033.01	Salt as chloride, Poten Cl (%)	0650	21.90	0.3600	21.89	0.5135	0.3147	29	0.01	0%	0
033.01	Salt as chloride, Poten Cl (%)	0948	21.90	0.1600	21.89	0.5135	0.3147	29	0.01	0%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
033.01	Salt as chloride, Poten Cl (%)	0242	21.97	0.9500	21.89	0.5135	0.3147	29	0.14	0%	0
033.01	Salt as chloride, Poten Cl (%)	0036	22.02	0.0197	21.89	0.5135	0.3147	29	0.25	0%	0
033.01	Salt as chloride, Poten Cl (%)	0148	22.03	0.0900	21.89	0.5135	0.3147	29	0.26	0%	0
033.01	Salt as chloride, Poten Cl (%)	0354	22.05	0.0200	21.89	0.5135	0.3147	29	0.31	0%	0
033.01	Salt as chloride, Poten Cl (%)	0019	22.11	0.1700	21.89	0.5135	0.3147	29	0.41	0%	0
033.01	Salt as chloride, Poten Cl (%)	0226	22.24	0.0900	21.89	0.5135	0.3147	29	0.67	1%	0
033.01	Salt as chloride, Poten Cl (%)	0010	22.47	0.0600	21.89	0.5135	0.3147	29	1.12	1%	0
033.01	Salt as chloride, Poten Cl (%)	0003	22.50	1.000	21.89	0.5135	0.3147	29	1.18	1%	0
033.01	Salt as chloride, Poten Cl (%)	2109	22.53	0.4840	21.89	0.5135	0.3147	29	1.25	1%	0
033.01	Salt as chloride, Poten Cl (%)	0964	22.90	0.9500	21.89	0.5135	0.3147	29	1.95	2%	0
033.01	Salt as chloride, Poten Cl (%)	0407	23.66	0.0740	21.89	0.5135	0.3147	29	3.45	4%	0
033.01	Salt as chloride, Poten Cl (%)	0278	23.76	0.0400	21.89	0.5135	0.3147	29	3.64	4%	0
033.01	Salt as chloride, Poten Cl (%)	0510	24.65	2.500	21.89	0.5135	0.3147	29	5.37	6%	1
033.03	Salt as chloride, Quantab (%)	0505	19.84	0.0200	23.32	4.193	0.0060	5			0
033.03	Salt as chloride, Quantab (%)	0656	21.00	0.0100	23.32	4.193	0.0060	5			0
033.03	Salt as chloride, Quantab (%)	0190	22.24	0.0000	23.32	4.193	0.0060	5			0
033.03	Salt as chloride, Quantab (%)	0726	23.00	0.0000	23.32	4.193	0.0060	5			0
033.03	Salt as chloride, Quantab (%)	0144	30.50	0.0000	23.32	4.193	0.0060	5			0
033.03	Salt as chloride, Quantab (%)	0265	21.85	0.1000	23.32	4.193	0.0060	5			1
033.05	Salt as chloride, Ion Sel Electrode (%)	0689	22.29	0.4300				1			0
033.99	Salt, Miscellaneous (%)	2246	4.605	0.0500	16.29	8.767	0.2086	10	-1.33	36%	0
033.99	Salt, Miscellaneous (%)	2181	5.670	0.0400	16.29	8.767	0.2086	10	-1.21	33%	0
033.99	Salt, Miscellaneous (%)	2033	8.645	0.0500	16.29	8.767	0.2086	10	-0.87	23%	0
033.99	Salt, Miscellaneous (%)	0536	12.90	0.0800	16.29	8.767	0.2086	10	-0.39	10%	0
033.99	Salt, Miscellaneous (%)	0032	18.10	0.8000	16.29	8.767	0.2086	10	0.21	6%	0
033.99	Salt, Miscellaneous (%)	0017	20.41	0.0160	16.29	8.767	0.2086	10	0.47	13%	0
033.99	Salt, Miscellaneous (%)	2073	21.86	0.0700	16.29	8.767	0.2086	10	0.64	17%	0
033.99	Salt, Miscellaneous (%)	2058	21.99	0.0600	16.29	8.767	0.2086	10	0.65	18%	0
033.99	Salt, Miscellaneous (%)	0910	22.70	0.1600	16.29	8.767	0.2086	10	0.73	20%	0
033.99	Salt, Miscellaneous (%)	0358	25.98	0.7600	16.29	8.767	0.2086	10	1.11	30%	0
034.01	Selenium, Fluor (mg / kg (ppm))	0038	23.23	0.7300				1			0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0610	20.50	1.600	22.10	1.548	0.6850	4			0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0045	21.20	1.000	22.10	1.548	0.6850	4			0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0035	22.73	0.0400	22.10	1.548	0.6850	4			0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0169	23.95	0.1000	22.10	1.548	0.6850	4			0
034.41	Selenium, ICP, Dry ash (mg / kg (ppm))	0407	14.94	0.4800				3			0
034.41	Selenium, ICP, Dry ash (mg / kg (ppm))	0148	18.79	1.420				3			0
034.41	Selenium, ICP, Dry ash (mg / kg (ppm))	0619	21.95	1.700				3			0
034.42	Selenium, ICP, Open vessel (mg / kg (ppm))	2259	17.97	3.990				3			0
034.42	Selenium, ICP, Open vessel (mg / kg (ppm))	0692	22.50	3.000				3			0
034.42	Selenium, ICP, Open vessel (mg / kg (ppm))	0504	26.31	0.6700				3			0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	0964	25.22	0.4455	26.83	1.559	0.3096	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			
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	0036	26.53	0.1270	26.83	1.559	0.3096	4			0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	0968	26.61	0.5530	26.83	1.559	0.3096	4			0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	0027	28.97	0.1130	26.83	1.559	0.3096	4			0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	0021	27.00	2.000	26.83	1.559	0.3096	4			1
034.51	Selenium, ICP-MS, Dry Ash (mg / kg (ppm))	2146	19.23	1.350				1			0
034.52	Selenium, ICP-MS, Open vessel (mg / kg (ppm))	0910	22.52	0.7500	23.65	1.139	0.6325	4			0
034.52	Selenium, ICP-MS, Open vessel (mg / kg (ppm))	2053	23.32	1.590	23.65	1.139	0.6325	4			0
034.52	Selenium, ICP-MS, Open vessel (mg / kg (ppm))	0186	23.55	0.1000	23.65	1.139	0.6325	4			0
034.52	Selenium, ICP-MS, Open vessel (mg / kg (ppm))	0047	25.23	0.0900	23.65	1.139	0.6325	4			0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0032	18.50	4.000	23.72	2.156	1.171	13	-2.42	11%	0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	2234	22.16	0.0000	23.72	2.156	1.171	13	-0.73	3%	0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0939	22.65	1.890	23.72	2.156	1.171	13	-0.50	2%	0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0013	22.75	0.5000	23.72	2.156	1.171	13	-0.45	2%	0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0033	22.75	0.1000	23.72	2.156	1.171	13	-0.45	2%	0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0015	22.81	0.8400	23.72	2.156	1.171	13	-0.42	2%	0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0918	23.11	1.060	23.72	2.156	1.171	13	-0.28	1%	0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0553	23.35	0.3000	23.72	2.156	1.171	13	-0.17	1%	0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0164	23.65	0.3000	23.72	2.156	1.171	13	-0.03	0%	0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0021	25.00	4.000	23.72	2.156	1.171	13	0.59	3%	0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0560	26.23	0.7350	23.72	2.156	1.171	13	1.16	5%	0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0010	26.50	1.000	23.72	2.156	1.171	13	1.29	6%	0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	2012	28.28	0.4990	23.72	2.156	1.171	13	2.11	10%	0
034.99	Selenium, Miscellaneous (mg / kg (ppm))	0171	22.40	0.6000				1			0
035.02	Sodium, Em Spect (%)	0884	7.850	0.6400				1			0
035.05	Sodium, Flame Emission (%)	0108	3.850	0.0200				3			0
035.05	Sodium, Flame Emission (%)	2248	4.620	0.0000				3			0
035.05	Sodium, Flame Emission (%)	0037	7.593	0.2960				3			0
035.31	Sodium, AAS, Dry ash (%)	2196	6.840	0.0000	7.668	0.6767	0.0957	14	-1.22	5%	0
035.31	Sodium, AAS, Dry ash (%)	0142	6.850	0.1941	7.668	0.6767	0.0957	14	-1.21	5%	0
035.31	Sodium, AAS, Dry ash (%)	2246	7.075	0.1100	7.668	0.6767	0.0957	14	-0.88	4%	0
035.31	Sodium, AAS, Dry ash (%)	0689	7.220	0.1000	7.668	0.6767	0.0957	14	-0.66	3%	0
035.31	Sodium, AAS, Dry ash (%)	0683	7.235	0.0300	7.668	0.6767	0.0957	14	-0.64	3%	0
035.31	Sodium, AAS, Dry ash (%)	0536	7.485	0.1100	7.668	0.6767	0.0957	14	-0.27	1%	0
035.31	Sodium, AAS, Dry ash (%)	0948	7.551	0.0850	7.668	0.6767	0.0957	14	-0.17	1%	0
035.31	Sodium, AAS, Dry ash (%)	2258	7.655	0.3700	7.668	0.6767	0.0957	14	-0.02	0%	0
035.31	Sodium, AAS, Dry ash (%)	2146	7.790	0.0200	7.668	0.6767	0.0957	14	0.18	1%	0
035.31	Sodium, AAS, Dry ash (%)	0175	8.000	0.0000	7.668	0.6767	0.0957	14	0.49	2%	0
035.31	Sodium, AAS, Dry ash (%)	0868	8.155	0.1500	7.668	0.6767	0.0957	14	0.72	3%	0
035.31	Sodium, AAS, Dry ash (%)	0939	8.395	0.0100	7.668	0.6767	0.0957	14	1.07	5%	0
035.31	Sodium, AAS, Dry ash (%)	0656	8.420	0.0000	7.668	0.6767	0.0957	14	1.11	5%	0
035.31	Sodium, AAS, Dry ash (%)	0874	8.740	0.1600	7.668	0.6767	0.0957	14	1.58	7%	0
035.31	Sodium, AAS, Dry ash (%)	0529	8.373	0.7460	7.668	0.6767	0.0957	14	1.04	5%	1

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
035.32	Sodium, AAS, Open vessel (%)	0169	7.545	0.1700				1			0
035.41	Sodium, ICP, Dry ash (%)	0144	6.885	0.2100	7.709	0.5348	0.2605	22	-1.54	5%	0
035.41	Sodium, ICP, Dry ash (%)	0598	7.018	0.0250	7.709	0.5348	0.2605	22	-1.29	4%	0
035.41	Sodium, ICP, Dry ash (%)	0720	7.030	0.1800	7.709	0.5348	0.2605	22	-1.27	4%	0
035.41	Sodium, ICP, Dry ash (%)	0910	7.300	0.8400	7.709	0.5348	0.2605	22	-0.76	3%	0
035.41	Sodium, ICP, Dry ash (%)	0171	7.345	0.0500	7.709	0.5348	0.2605	22	-0.68	2%	0
035.41	Sodium, ICP, Dry ash (%)	0354	7.370	0.0400	7.709	0.5348	0.2605	22	-0.63	2%	0
035.41	Sodium, ICP, Dry ash (%)	0019	7.380	0.2200	7.709	0.5348	0.2605	22	-0.61	2%	0
035.41	Sodium, ICP, Dry ash (%)	0164	7.470	0.3800	7.709	0.5348	0.2605	22	-0.45	2%	0
035.41	Sodium, ICP, Dry ash (%)	0695	7.573	0.0980	7.709	0.5348	0.2605	22	-0.25	1%	0
035.41	Sodium, ICP, Dry ash (%)	0955	7.615	0.0100	7.709	0.5348	0.2605	22	-0.18	1%	0
035.41	Sodium, ICP, Dry ash (%)	0520	7.670	0.5030	7.709	0.5348	0.2605	22	-0.07	0%	0
035.41	Sodium, ICP, Dry ash (%)	0653	7.713	0.1120	7.709	0.5348	0.2605	22	0.01	0%	0
035.41	Sodium, ICP, Dry ash (%)	0619	7.750	0.2000	7.709	0.5348	0.2605	22	0.08	0%	0
035.41	Sodium, ICP, Dry ash (%)	0049	7.765	0.3300	7.709	0.5348	0.2605	22	0.11	0%	0
035.41	Sodium, ICP, Dry ash (%)	0004	7.870	1.040	7.709	0.5348	0.2605	22	0.30	1%	0
035.41	Sodium, ICP, Dry ash (%)	0229	7.960	0.1130	7.709	0.5348	0.2605	22	0.47	2%	0
035.41	Sodium, ICP, Dry ash (%)	0003	7.960	0.1000	7.709	0.5348	0.2605	22	0.47	2%	0
035.41	Sodium, ICP, Dry ash (%)	0407	8.161	0.4110	7.709	0.5348	0.2605	22	0.85	3%	0
035.41	Sodium, ICP, Dry ash (%)	0148	8.335	0.2100	7.709	0.5348	0.2605	22	1.17	4%	0
035.41	Sodium, ICP, Dry ash (%)	0226	8.435	0.1300	7.709	0.5348	0.2605	22	1.36	5%	0
035.41	Sodium, ICP, Dry ash (%)	0066	8.455	0.2300	7.709	0.5348	0.2605	22	1.40	5%	0
035.41	Sodium, ICP, Dry ash (%)	0358	10.23	0.3000	7.709	0.5348	0.2605	22	4.71	16%	0
035.42	Sodium, ICP, Open vessel (%)	0366	6.060	0.3000	7.678	0.4806	0.2337	19	-3.37	11%	0
035.42	Sodium, ICP, Open vessel (%)	0294	7.015	0.0300	7.678	0.4806	0.2337	19	-1.38	4%	0
035.42	Sodium, ICP, Open vessel (%)	0870	7.085	0.0180	7.678	0.4806	0.2337	19	-1.23	4%	0
035.42	Sodium, ICP, Open vessel (%)	0186	7.200	0.1600	7.678	0.4806	0.2337	19	-0.99	3%	0
035.42	Sodium, ICP, Open vessel (%)	2012	7.205	0.0300	7.678	0.4806	0.2337	19	-0.98	3%	0
035.42	Sodium, ICP, Open vessel (%)	0042	7.330	0.1400	7.678	0.4806	0.2337	19	-0.72	2%	0
035.42	Sodium, ICP, Open vessel (%)	0035	7.515	0.1500	7.678	0.4806	0.2337	19	-0.34	1%	0
035.42	Sodium, ICP, Open vessel (%)	2053	7.750	0.9000	7.678	0.4806	0.2337	19	0.15	0%	0
035.42	Sodium, ICP, Open vessel (%)	0263	7.817	0.0910	7.678	0.4806	0.2337	19	0.29	1%	0
035.42	Sodium, ICP, Open vessel (%)	0278	7.825	0.3700	7.678	0.4806	0.2337	19	0.31	1%	0
035.42	Sodium, ICP, Open vessel (%)	0693	7.851	0.2930	7.678	0.4806	0.2337	19	0.36	1%	0
035.42	Sodium, ICP, Open vessel (%)	0692	7.880	0.1200	7.678	0.4806	0.2337	19	0.42	1%	0
035.42	Sodium, ICP, Open vessel (%)	0045	7.915	0.2500	7.678	0.4806	0.2337	19	0.49	2%	0
035.42	Sodium, ICP, Open vessel (%)	0190	7.935	0.0500	7.678	0.4806	0.2337	19	0.54	2%	0
035.42	Sodium, ICP, Open vessel (%)	0504	7.936	0.5030	7.678	0.4806	0.2337	19	0.54	2%	0
035.42	Sodium, ICP, Open vessel (%)	0265	7.950	0.9800	7.678	0.4806	0.2337	19	0.57	2%	0
035.42	Sodium, ICP, Open vessel (%)	0187	8.215	0.0100	7.678	0.4806	0.2337	19	1.12	3%	0
035.42	Sodium, ICP, Open vessel (%)	0560	8.245	0.0151	7.678	0.4806	0.2337	19	1.18	4%	0
035.42	Sodium, ICP, Open vessel (%)	0726	8.255	0.0300	7.678	0.4806	0.2337	19	1.20	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	
035.43	Sodium, ICP, Microwave (%)	0202	6.526	0.0340	7.559	0.5012	0.1535	21	-2.06	7%	0
035.43	Sodium, ICP, Microwave (%)	0425	6.930	0.1200	7.559	0.5012	0.1535	21	-1.25	4%	0
035.43	Sodium, ICP, Microwave (%)	0036	7.017	0.1984	7.559	0.5012	0.1535	21	-1.08	4%	0
035.43	Sodium, ICP, Microwave (%)	2192	7.025	0.2700	7.559	0.5012	0.1535	21	-1.07	4%	0
035.43	Sodium, ICP, Microwave (%)	0021	7.250	0.1000	7.559	0.5012	0.1535	21	-0.62	2%	0
035.43	Sodium, ICP, Microwave (%)	0098	7.280	0.2800	7.559	0.5012	0.1535	21	-0.56	2%	0
035.43	Sodium, ICP, Microwave (%)	0675	7.290	0.1400	7.559	0.5012	0.1535	21	-0.54	2%	0
035.43	Sodium, ICP, Microwave (%)	0682	7.340	0.0000	7.559	0.5012	0.1535	21	-0.44	1%	0
035.43	Sodium, ICP, Microwave (%)	0510	7.433	0.0080	7.559	0.5012	0.1535	21	-0.25	1%	0
035.43	Sodium, ICP, Microwave (%)	0035	7.480	0.0800	7.559	0.5012	0.1535	21	-0.16	1%	0
035.43	Sodium, ICP, Microwave (%)	0505	7.480	0.2800	7.559	0.5012	0.1535	21	-0.16	1%	0
035.43	Sodium, ICP, Microwave (%)	0345	7.605	0.0300	7.559	0.5012	0.1535	21	0.09	0%	0
035.43	Sodium, ICP, Microwave (%)	0353	7.628	0.2078	7.559	0.5012	0.1535	21	0.14	0%	0
035.43	Sodium, ICP, Microwave (%)	0010	7.680	0.1000	7.559	0.5012	0.1535	21	0.24	1%	0
035.43	Sodium, ICP, Microwave (%)	0918	7.802	0.4200	7.559	0.5012	0.1535	21	0.49	2%	0
035.43	Sodium, ICP, Microwave (%)	0083	7.927	0.1670	7.559	0.5012	0.1535	21	0.73	2%	0
035.43	Sodium, ICP, Microwave (%)	2256	8.010	0.2600	7.559	0.5012	0.1535	21	0.90	3%	0
035.43	Sodium, ICP, Microwave (%)	0017	8.027	0.0060	7.559	0.5012	0.1535	21	0.93	3%	0
035.43	Sodium, ICP, Microwave (%)	2089	8.200	0.2200	7.559	0.5012	0.1535	21	1.28	4%	0
035.43	Sodium, ICP, Microwave (%)	0033	8.215	0.2100	7.559	0.5012	0.1535	21	1.31	4%	0
035.43	Sodium, ICP, Microwave (%)	0038	9.537	0.0930	7.559	0.5012	0.1535	21	3.95	13%	0
035.51	Sodium, ICP-MS, Dry ash (%)	2146	7.650	0.1800				1			0
035.52	Sodium, ICP-MS, Open vessel (%)	0186	7.835	0.1100				1			0
035.53	Sodium, ICP-MS, Microwave (%)	0015	6.605	0.3500	7.756	0.8243	0.7925	4			0
035.53	Sodium, ICP-MS, Microwave (%)	0572	7.825	0.6100	7.756	0.8243	0.7925	4			0
035.53	Sodium, ICP-MS, Microwave (%)	0939	8.050	0.6800	7.756	0.8243	0.7925	4			0
035.53	Sodium, ICP-MS, Microwave (%)	0553	8.545	1.530	7.756	0.8243	0.7925	4			0
035.99	Sodium, Miscellaneous (%)	0889	6.255	0.2079				3			0
035.99	Sodium, Miscellaneous (%)	0100	7.660	0.8600				3			0
035.99	Sodium, Miscellaneous (%)	0242	7.880	0.2000				3			0
036.04	Sulfur, LECO (%)	0148	0.7600	0.0000				3			0
036.04	Sulfur, LECO (%)	0226	0.8100	0.0000				3			0
036.04	Sulfur, LECO (%)	0001	0.9505	0.0010				3			0
036.04	Sulfur, LECO (%)	2053	0.8800	0.0200				3			1
036.42	Sulfur, ICP, Open vessel (%)	0357	0.7364	0.0430	0.9091	0.0977	0.0200	21	-1.77	9%	0
036.42	Sulfur, ICP, Open vessel (%)	0870	0.8114	0.0163	0.9091	0.0977	0.0200	21	-1.00	5%	0
036.42	Sulfur, ICP, Open vessel (%)	0186	0.8220	0.0060	0.9091	0.0977	0.0200	21	-0.89	5%	0
036.42	Sulfur, ICP, Open vessel (%)	0708	0.8330	0.0000	0.9091	0.0977	0.0200	21	-0.78	4%	0
036.42	Sulfur, ICP, Open vessel (%)	0692	0.8450	0.0100	0.9091	0.0977	0.0200	21	-0.66	4%	0
036.42	Sulfur, ICP, Open vessel (%)	0726	0.8518	0.0116	0.9091	0.0977	0.0200	21	-0.59	3%	0
036.42	Sulfur, ICP, Open vessel (%)	0045	0.8580	0.0040	0.9091	0.0977	0.0200	21	-0.52	3%	0
036.42	Sulfur, ICP, Open vessel (%)	2012	0.8600	0.0600	0.9091	0.0977	0.0200	21	-0.50	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	
036.42	Sulfur, ICP, Open vessel (%)	0190	0.8750	0.0700	0.9091	0.0977	0.0200	21	-0.35	2%	0
036.42	Sulfur, ICP, Open vessel (%)	0366	0.8800	0.0000	0.9091	0.0977	0.0200	21	-0.30	2%	0
036.42	Sulfur, ICP, Open vessel (%)	2055	0.8859	0.0156	0.9091	0.0977	0.0200	21	-0.24	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0265	0.9000	0.0000	0.9091	0.0977	0.0200	21	-0.09	0%	0
036.42	Sulfur, ICP, Open vessel (%)	0164	0.9050	0.0300	0.9091	0.0977	0.0200	21	-0.04	0%	0
036.42	Sulfur, ICP, Open vessel (%)	0037	0.9295	0.0190	0.9091	0.0977	0.0200	21	0.21	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0171	0.9360	0.0060	0.9091	0.0977	0.0200	21	0.28	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0035	0.9500	0.0200	0.9091	0.0977	0.0200	21	0.42	2%	0
036.42	Sulfur, ICP, Open vessel (%)	0187	0.9790	0.0081	0.9091	0.0977	0.0200	21	0.72	4%	0
036.42	Sulfur, ICP, Open vessel (%)	0278	1.045	0.0300	0.9091	0.0977	0.0200	21	1.39	7%	0
036.42	Sulfur, ICP, Open vessel (%)	0229	1.050	0.0400	0.9091	0.0977	0.0200	21	1.44	8%	0
036.42	Sulfur, ICP, Open vessel (%)	0560	1.064	0.0114	0.9091	0.0977	0.0200	21	1.59	9%	0
036.42	Sulfur, ICP, Open vessel (%)	0294	1.260	0.0200	0.9091	0.0977	0.0200	21	3.59	19%	0
036.42	Sulfur, ICP, Open vessel (%)	0693	0.9275	0.1310	0.9091	0.0977	0.0200	21	0.19	1%	1
036.43	Sulfur, ICP, Microwave (%)	0407	0.7818	0.0210	0.8856	0.0839	0.0412	15	-1.24	6%	0
036.43	Sulfur, ICP, Microwave (%)	0202	0.7875	0.0070	0.8856	0.0839	0.0412	15	-1.17	6%	0
036.43	Sulfur, ICP, Microwave (%)	0169	0.8250	0.0900	0.8856	0.0839	0.0412	15	-0.72	3%	0
036.43	Sulfur, ICP, Microwave (%)	0505	0.8250	0.0700	0.8856	0.0839	0.0412	15	-0.72	3%	0
036.43	Sulfur, ICP, Microwave (%)	0345	0.8410	0.0100	0.8856	0.0839	0.0412	15	-0.53	3%	0
036.43	Sulfur, ICP, Microwave (%)	0035	0.8700	0.0400	0.8856	0.0839	0.0412	15	-0.19	1%	0
036.43	Sulfur, ICP, Microwave (%)	2198	0.8700	0.0200	0.8856	0.0839	0.0412	15	-0.19	1%	0
036.43	Sulfur, ICP, Microwave (%)	0353	0.8800	0.0800	0.8856	0.0839	0.0412	15	-0.07	0%	0
036.43	Sulfur, ICP, Microwave (%)	0098	0.8888	0.0438	0.8856	0.0839	0.0412	15	0.04	0%	0
036.43	Sulfur, ICP, Microwave (%)	0038	0.8891	0.0204	0.8856	0.0839	0.0412	15	0.04	0%	0
036.43	Sulfur, ICP, Microwave (%)	0083	0.8928	0.0176	0.8856	0.0839	0.0412	15	0.09	0%	0
036.43	Sulfur, ICP, Microwave (%)	0021	0.9050	0.1300	0.8856	0.0839	0.0412	15	0.23	1%	0
036.43	Sulfur, ICP, Microwave (%)	0918	1.005	0.0180	0.8856	0.0839	0.0412	15	1.42	7%	0
036.43	Sulfur, ICP, Microwave (%)	2234	1.060	0.0400	0.8856	0.0839	0.0412	15	2.08	10%	0
036.43	Sulfur, ICP, Microwave (%)	0510	1.125	0.0100	0.8856	0.0839	0.0412	15	2.85	14%	0
036.43	Sulfur, ICP, Microwave (%)	0032	0.8900	0.2200	0.8856	0.0839	0.0412	15	0.05	0%	1
036.52	Sulfur, ICP-MS, Open vessel (%)	0910	0.7667	0.0652				2			0
036.52	Sulfur, ICP-MS, Open vessel (%)	0186	0.9330	0.0060				2			0
036.53	Sulfur, ICP-MS, Microwave (%)	0015	0.8350	0.1700				3			0
036.53	Sulfur, ICP-MS, Microwave (%)	0553	0.9160	0.0220				3			0
036.53	Sulfur, ICP-MS, Microwave (%)	0066	0.9520	0.0360				3			0
036.99	Sulfur, Miscellaneous (%)	0889	0.7060	0.0155				2			0
036.99	Sulfur, Miscellaneous (%)	0242	1.045	0.0100				2			0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	2022	3,231	22.00	3,553	211.1	64.58	14	-1.52	5%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0689	3,245	236.4	3,553	211.1	64.58	14	-1.46	4%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0536	3,324	102.5	3,553	211.1	64.58	14	-1.09	3%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	2188	3,430	8.400	3,553	211.1	64.58	14	-0.58	2%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0529	3,494	37.50	3,553	211.1	64.58	14	-0.28	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	
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0874	3,540	320.0	3,553	211.1	64.58	14	-0.06	0%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	2146	3,540	14.00	3,553	211.1	64.58	14	-0.06	0%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	2196	3,630	0.0000	3,553	211.1	64.58	14	0.36	1%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0868	3,632	5.800	3,553	211.1	64.58	14	0.37	1%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0939	3,686	97.00	3,553	211.1	64.58	14	0.63	2%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	2248	3,689	0.0000	3,553	211.1	64.58	14	0.65	2%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0001	3,743	12.00	3,553	211.1	64.58	14	0.90	3%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0884	3,770	11.10	3,553	211.1	64.58	14	1.03	3%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0656	3,782	37.37	3,553	211.1	64.58	14	1.08	3%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0175	4,000	600.0	3,553	211.1	64.58	14	2.12	6%	1
037.32	Zinc, AAS, Open vessel (mg / kg (ppm))	0504	3,834	209.0				1			0
037.33	Zinc, AAS, Microwave (mg / kg (ppm))	2246	3,341	14.00				2			0
037.33	Zinc, AAS, Microwave (mg / kg (ppm))	0010	3,710	160.0				2			0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0695	2,379	42.59	3,446	378.0	104.3	22	-2.82	15%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0720	2,903	25.16	3,446	378.0	104.3	22	-1.44	8%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0848	2,967	0.6300	3,446	378.0	104.3	22	-1.27	7%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0653	2,977	42.00	3,446	378.0	104.3	22	-1.24	7%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0049	3,022	321.0	3,446	378.0	104.3	22	-1.12	6%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0405	3,209	0.0000	3,446	378.0	104.3	22	-0.63	3%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0407	3,317	244.9	3,446	378.0	104.3	22	-0.34	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0354	3,367	215.2	3,446	378.0	104.3	22	-0.21	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0003	3,410	278.0	3,446	378.0	104.3	22	-0.10	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0511	3,429	11.00	3,446	378.0	104.3	22	-0.05	0%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0598	3,492	117.0	3,446	378.0	104.3	22	0.12	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0019	3,509	94.00	3,446	378.0	104.3	22	0.17	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0910	3,588	176.0	3,446	378.0	104.3	22	0.37	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0164	3,595	50.00	3,446	378.0	104.3	22	0.39	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0520	3,607	142.0	3,446	378.0	104.3	22	0.42	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0226	3,641	19.00	3,446	378.0	104.3	22	0.51	3%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0074	3,680	165.0	3,446	378.0	104.3	22	0.62	3%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0148	3,730	123.4	3,446	378.0	104.3	22	0.75	4%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0358	3,744	75.89	3,446	378.0	104.3	22	0.79	4%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0619	3,901	77.00	3,446	378.0	104.3	22	1.20	7%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0229	3,916	24.00	3,446	378.0	104.3	22	1.24	7%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0004	3,940	51.14	3,446	378.0	104.3	22	1.31	7%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0171	2,958	1,014	3,446	378.0	104.3	22	-1.29	7%	1
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0186	3,102	161.0	3,675	428.5	102.5	22	-1.34	8%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0357	3,106	102.6	3,675	428.5	102.5	22	-1.33	8%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0042	3,137	114.0	3,675	428.5	102.5	22	-1.26	7%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0504	3,225	102.0	3,675	428.5	102.5	22	-1.05	6%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0294	3,310	41.40	3,675	428.5	102.5	22	-0.85	5%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	2012	3,362	141.1	3,675	428.5	102.5	22	-0.73	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	
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0263	3,452	17.90	3,675	428.5	102.5	22	-0.52	3%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0366	3,470	240.0	3,675	428.5	102.5	22	-0.48	3%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0187	3,528	9.310	3,675	428.5	102.5	22	-0.34	2%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0870	3,636	39.00	3,675	428.5	102.5	22	-0.09	1%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0045	3,655	50.00	3,675	428.5	102.5	22	-0.05	0%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0035	3,730	22.00	3,675	428.5	102.5	22	0.13	1%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0265	3,735	150.0	3,675	428.5	102.5	22	0.14	1%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0278	3,851	30.70	3,675	428.5	102.5	22	0.41	2%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0560	3,858	140.4	3,675	428.5	102.5	22	0.43	2%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	2259	3,888	14.64	3,675	428.5	102.5	22	0.50	3%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0693	3,892	422.0	3,675	428.5	102.5	22	0.50	3%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0190	4,042	39.20	3,675	428.5	102.5	22	0.85	5%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	2053	4,149	77.00	3,675	428.5	102.5	22	1.10	6%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0037	4,149	279.0	3,675	428.5	102.5	22	1.11	6%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0726	4,273	2.000	3,675	428.5	102.5	22	1.39	8%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0692	4,310	60.00	3,675	428.5	102.5	22	1.48	9%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0202	2,939	37.77	3,561	219.6	57.69	26	-2.84	9%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0353	3,203	159.0	3,561	219.6	57.69	26	-1.63	5%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0345	3,205	10.00	3,561	219.6	57.69	26	-1.62	5%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0032	3,289	22.00	3,561	219.6	57.69	26	-1.24	4%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0021	3,300	0.0000	3,561	219.6	57.69	26	-1.19	4%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2192	3,334	115.0	3,561	219.6	57.69	26	-1.04	3%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0038	3,450	46.00	3,561	219.6	57.69	26	-0.51	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0033	3,510	20.00	3,561	219.6	57.69	26	-0.23	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0098	3,528	19.00	3,561	219.6	57.69	26	-0.15	0%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2256	3,544	105.8	3,561	219.6	57.69	26	-0.08	0%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0425	3,552	22.00	3,561	219.6	57.69	26	-0.04	0%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0169	3,555	30.00	3,561	219.6	57.69	26	-0.03	0%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0027	3,579	48.65	3,561	219.6	57.69	26	0.08	0%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0017	3,586	45.63	3,561	219.6	57.69	26	0.11	0%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0675	3,626	47.31	3,561	219.6	57.69	26	0.30	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0510	3,640	20.00	3,561	219.6	57.69	26	0.36	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0013	3,655	230.0	3,561	219.6	57.69	26	0.43	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0918	3,662	83.94	3,561	219.6	57.69	26	0.46	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0968	3,664	37.00	3,561	219.6	57.69	26	0.46	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0964	3,690	149.5	3,561	219.6	57.69	26	0.59	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0083	3,710	47.00	3,561	219.6	57.69	26	0.67	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2089	3,725	11.56	3,561	219.6	57.69	26	0.74	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0035	3,729	63.00	3,561	219.6	57.69	26	0.76	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0682	3,816	0.0000	3,561	219.6	57.69	26	1.16	4%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0505	3,868	118.0	3,561	219.6	57.69	26	1.40	4%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2234	4,377	11.80	3,561	219.6	57.69	26	3.71	11%	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			
037.44	Zinc, ICP, Dry ash (mg / kg (ppm))	0955	3,438	226.0				2		0	
037.44	Zinc, ICP, Dry ash (mg / kg (ppm))	0066	3,526	34.63				2		0	
037.51	Zinc, ICP-MS, Dry ash (mg / kg (ppm))	2146	3,538	137.0				1		0	
037.52	Zinc, ICP-MS, Open vessel (mg / kg (ppm))	0186	3,025	54.00				2		0	
037.52	Zinc, ICP-MS, Open vessel (mg / kg (ppm))	0047	3,895	106.0				2		0	
037.53	Zinc, ICP-MS, Microwave (mg / kg (ppm))	0015	3,531	397.3	3,721	225.9	300.3	4		0	
037.53	Zinc, ICP-MS, Microwave (mg / kg (ppm))	0572	3,615	110.0	3,721	225.9	300.3	4		0	
037.53	Zinc, ICP-MS, Microwave (mg / kg (ppm))	0939	3,695	104.0	3,721	225.9	300.3	4		0	
037.53	Zinc, ICP-MS, Microwave (mg / kg (ppm))	0553	4,045	590.0	3,721	225.9	300.3	4		0	
037.99	Zinc, Miscellaneous (mg / kg (ppm))	0889	3,351	126.7				3		0	
037.99	Zinc, Miscellaneous (mg / kg (ppm))	0100	3,612	224.0				3		0	
037.99	Zinc, Miscellaneous (mg / kg (ppm))	0242	3,673	102.0				3		0	
038.41	Molybdenum, ICP, Dry ash (mg / kg (ppm))	0407	5.058	0.0079				2		0	
038.41	Molybdenum, ICP, Dry ash (mg / kg (ppm))	0171	6.532	0.1070				2		0	
038.42	Molybdenum, ICP, Open vessel (mg / kg (ppm))	0693	9.527	0.6000	11.28	1.241	0.5900	4		0	
038.42	Molybdenum, ICP, Open vessel (mg / kg (ppm))	0265	11.50	0.8000	11.28	1.241	0.5900	4		0	
038.42	Molybdenum, ICP, Open vessel (mg / kg (ppm))	0278	11.64	0.8600	11.28	1.241	0.5900	4		0	
038.42	Molybdenum, ICP, Open vessel (mg / kg (ppm))	0045	12.45	0.1000	11.28	1.241	0.5900	4		0	
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0353	9.523	0.5084	10.11	0.6976	0.5740	7	-0.83	3%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0345	9.610	0.0800	10.11	0.6976	0.5740	7	-0.71	2%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0038	9.639	1.245	10.11	0.6976	0.5740	7	-0.67	2%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0021	10.00	0.0000	10.11	0.6976	0.5740	7	-0.15	1%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0169	10.05	0.1000	10.11	0.6976	0.5740	7	-0.08	0%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0964	10.91	1.485	10.11	0.6976	0.5740	7	1.16	4%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0510	11.00	0.6000	10.11	0.6976	0.5740	7	1.28	4%	0
038.52	Molybdenum, ICP-MS, Open vessel (mg / kg (ppm))	0910	9.610	0.8000				2		0	
038.52	Molybdenum, ICP-MS, Open vessel (mg / kg (ppm))	0186	12.00	0.0000				2		0	
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	0015	10.22	1.100	11.73	0.9431	0.6511	5		0	
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	0164	11.40	0.8000	11.73	0.9431	0.6511	5		0	
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	0553	12.15	0.1000	11.73	0.9431	0.6511	5		0	
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	0918	12.36	0.2556	11.73	0.9431	0.6511	5		0	
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	0021	12.50	1.000	11.73	0.9431	0.6511	5		0	
040.42	Barium, ICP, Open vessel (mg / kg (ppm))	0560	6.815	0.9500				1		0	
040.53	Barium, ICP-MS, Microwave (mg / kg (ppm))	0918	6.614	0.8017				2		0	
040.53	Barium, ICP-MS, Microwave (mg / kg (ppm))	0015	8.160	3.040				2		0	
041.43	Vanadium, ICP, Microwave (mg / kg (ppm))	0021	22.00	0.0000				1		0	
041.53	Vanadium, ICP-MS, Microwave (mg / kg (ppm))	0015	20.07	1.080				3		0	
041.53	Vanadium, ICP-MS, Microwave (mg / kg (ppm))	0021	24.50	1.000				3		0	
041.53	Vanadium, ICP-MS, Microwave (mg / kg (ppm))	0553	24.65	2.300				3		0	
042.00	Chloride, Titrimetric (%)	2200	13.23	0.3500	13.60	0.4456	0.2143	4		0	
042.00	Chloride, Titrimetric (%)	0948	13.30	0.0970	13.60	0.4456	0.2143	4		0	
042.00	Chloride, Titrimetric (%)	2012	13.69	0.2100	13.60	0.4456	0.2143	4		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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042.00	Chloride, Titrimetric (%)	2199	14.20	0.2000	13.60	0.4456	0.2143	4		0	
042.02	Chloride, Ion Chromatography (%)	0941	126.5	5.000				1		0	
042.99	Chloride, Miscellaneous (%)	0066	13.49	0.1700				2		0	
042.99	Chloride, Miscellaneous (%)	0910	13.77	0.1000				2		0	
101.01	Choline Chloride, Chem (mg / kg (ppm))	0171	1,344	8.000				2		0	
101.01	Choline Chloride, Chem (mg / kg (ppm))	0504	2,318	65.00				2		0	
102.01	Niacin, Microbiological (mg / kg (ppm))	0227	156.5	5.000				1		0	
102.02	Niacin, LC (mg / kg (ppm))	0939	122.9	1.090				2		0	
102.02	Niacin, LC (mg / kg (ppm))	0010	138.9	24.30				2		0	
103.01	Pantothenic Acid, Microbiological (mg / kg (ppm))	0227	58.50	2.600				1		0	
103.02	Pantothenic Acid, LC (mg / kg (ppm))	0939	75.49	5.050				2		0	
103.02	Pantothenic Acid, LC (mg / kg (ppm))	0010	85.75	6.100				2		0	
104.00	Riboflavin, Fluorometric (mg / kg (ppm))	0171	29.65	0.7000				1		0	
104.03	Riboflavin, LC (mg / kg (ppm))	0939	27.27	2.720				2		0	
104.03	Riboflavin, LC (mg / kg (ppm))	0910	28.00	2.000				2		0	
106.00	Vitamin A, Color (KU / kg)	0019	369.5	0.6100				2		0	
106.00	Vitamin A, Color (KU / kg)	0171	503.0	42.00				2		0	
106.01	Vitamin A, UV (KU / kg)	0098	480.5	117.0				1		0	
106.02	Vitamin A, LC (KU / kg)	0169	171.5	3.000	430.7	96.50	25.66	17	-2.69	30%	0
106.02	Vitamin A, LC (KU / kg)	0038	247.6	8.830	430.7	96.50	25.66	17	-1.90	21%	0
106.02	Vitamin A, LC (KU / kg)	0905	294.8	12.84	430.7	96.50	25.66	17	-1.41	16%	0
106.02	Vitamin A, LC (KU / kg)	0004	342.7	63.14	430.7	96.50	25.66	17	-0.91	10%	0
106.02	Vitamin A, LC (KU / kg)	0619	392.5	1.000	430.7	96.50	25.66	17	-0.40	4%	0
106.02	Vitamin A, LC (KU / kg)	0910	416.0	88.00	430.7	96.50	25.66	17	-0.15	2%	0
106.02	Vitamin A, LC (KU / kg)	2053	423.5	35.00	430.7	96.50	25.66	17	-0.07	1%	0
106.02	Vitamin A, LC (KU / kg)	0676	429.4	20.90	430.7	96.50	25.66	17	-0.01	0%	0
106.02	Vitamin A, LC (KU / kg)	0227	454.5	25.00	430.7	96.50	25.66	17	0.25	3%	0
106.02	Vitamin A, LC (KU / kg)	0941	462.5	1.000	430.7	96.50	25.66	17	0.33	4%	0
106.02	Vitamin A, LC (KU / kg)	0148	469.1	5.770	430.7	96.50	25.66	17	0.40	4%	0
106.02	Vitamin A, LC (KU / kg)	0035	479.0	29.64	430.7	96.50	25.66	17	0.50	6%	0
106.02	Vitamin A, LC (KU / kg)	2152	490.9	4.540	430.7	96.50	25.66	17	0.62	7%	0
106.02	Vitamin A, LC (KU / kg)	0208	493.8	66.14	430.7	96.50	25.66	17	0.65	7%	0
106.02	Vitamin A, LC (KU / kg)	0610	506.0	20.00	430.7	96.50	25.66	17	0.78	9%	0
106.02	Vitamin A, LC (KU / kg)	2103	547.6	5.100	430.7	96.50	25.66	17	1.21	14%	0
106.02	Vitamin A, LC (KU / kg)	0010	547.9	46.30	430.7	96.50	25.66	17	1.21	14%	0
107.00	Vitamin B12, Microbiological (µg / kg (ppb))	0227	77.25	6.700				1		0	
108.01	Vitamin D3, LC, AOAC (KU / kg)	0169	12.50	1.000				1		0	
108.02	Vitamin D3, LC (KU / kg)	0208	39.35	28.70	69.21	16.35	7.745	6	-1.83	22%	0
108.02	Vitamin D3, LC (KU / kg)	0910	60.45	7.100	69.21	16.35	7.745	6	-0.54	6%	0
108.02	Vitamin D3, LC (KU / kg)	2103	72.30	0.8000	69.21	16.35	7.745	6	0.19	2%	0
108.02	Vitamin D3, LC (KU / kg)	2216	76.16	6.170	69.21	16.35	7.745	6	0.43	5%	0
108.02	Vitamin D3, LC (KU / kg)	0227	76.75	3.500	69.21	16.35	7.745	6	0.46	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	
108.02	Vitamin D3, LC (KU / kg)	0676	84.90	0.2000	69.21	16.35	7.745	6	0.96	11%	0
108.99	Vitamin D3, Miscellaneous (KU / kg)	0010	74.90	2.800				1			0
109.02	Vitamin E, LC (IU / kg)	0169	139.5	1.000	359.4	86.98	19.38	14	-2.53	31%	0
109.02	Vitamin E, LC (IU / kg)	0905	156.0	10.00	359.4	86.98	19.38	14	-2.34	28%	0
109.02	Vitamin E, LC (IU / kg)	0619	245.0	46.00	359.4	86.98	19.38	14	-1.32	16%	0
109.02	Vitamin E, LC (IU / kg)	0910	351.5	43.00	359.4	86.98	19.38	14	-0.09	1%	0
109.02	Vitamin E, LC (IU / kg)	0208	354.9	2.733	359.4	86.98	19.38	14	-0.05	1%	0
109.02	Vitamin E, LC (IU / kg)	0098	356.0	32.00	359.4	86.98	19.38	14	-0.04	0%	0
109.02	Vitamin E, LC (IU / kg)	0610	380.5	1.000	359.4	86.98	19.38	14	0.24	3%	0
109.02	Vitamin E, LC (IU / kg)	0941	381.2	5.500	359.4	86.98	19.38	14	0.25	3%	0
109.02	Vitamin E, LC (IU / kg)	2103	381.5	33.00	359.4	86.98	19.38	14	0.25	3%	0
109.02	Vitamin E, LC (IU / kg)	0148	382.6	58.11	359.4	86.98	19.38	14	0.27	3%	0
109.02	Vitamin E, LC (IU / kg)	2152	402.7	3.580	359.4	86.98	19.38	14	0.50	6%	0
109.02	Vitamin E, LC (IU / kg)	2053	422.0	4.000	359.4	86.98	19.38	14	0.72	9%	0
109.02	Vitamin E, LC (IU / kg)	0227	426.5	5.000	359.4	86.98	19.38	14	0.77	9%	0
109.02	Vitamin E, LC (IU / kg)	0676	594.0	26.40	359.4	86.98	19.38	14	2.70	33%	0
109.99	Vitamin E, Miscellaneous (IU / kg)	0171	362.0	16.00				1			0
112.01	Pyridoxine, LC (µg / g)	0227	0.4700	0.0000				1			0
113.01	Folic Acid, Micro (mg / kg (ppm))	0227	0.1740	0.0240				1			0
114.01	Biotin, Microbiological (mg / kg (ppm))	0227	0.1445	0.0030				1			0
120.00	Alanine, Post-col Ninhydrin Der (%)	0859	0.2321	0.0050	0.2603	0.0330	0.0044	7	-0.85	5%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	2059	0.2375	0.0050	0.2603	0.0330	0.0044	7	-0.69	4%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0353	0.2400	0.0000	0.2603	0.0330	0.0044	7	-0.61	4%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0918	0.2445	0.0134	0.2603	0.0330	0.0044	7	-0.48	3%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0227	0.2700	0.0000	0.2603	0.0330	0.0044	7	0.29	2%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0870	0.2959	0.0077	0.2603	0.0330	0.0044	7	1.08	7%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0682	0.3020	0.0000	0.2603	0.0330	0.0044	7	1.27	8%	0
120.05	Alanine, Pre-col AQC Der (%)	0407	0.2255	0.0430				1			0
121.00	Arginine, Post-col Ninhydrin Der (%)	0859	0.1713	0.0041	0.1919	0.0189	0.0047	7	-1.10	5%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	2059	0.1770	0.0040	0.1919	0.0189	0.0047	7	-0.79	4%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0227	0.1800	0.0000	0.1919	0.0189	0.0047	7	-0.63	3%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0682	0.1970	0.0000	0.1919	0.0189	0.0047	7	0.27	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0918	0.1994	0.0177	0.1919	0.0189	0.0047	7	0.39	2%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0353	0.2000	0.0000	0.1919	0.0189	0.0047	7	0.43	2%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0870	0.2188	0.0070	0.1919	0.0189	0.0047	7	1.43	7%	0
121.05	Arginine, Pre-col AQC Der (%)	0407	0.1235	0.0350				1			0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0353	0.2250	0.0100	0.2623	0.0201	0.0056	7	-1.86	7%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	2059	0.2525	0.0050	0.2623	0.0201	0.0056	7	-0.49	2%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0227	0.2600	0.0000	0.2623	0.0201	0.0056	7	-0.11	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0918	0.2647	0.0152	0.2623	0.0201	0.0056	7	0.12	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0859	0.2649	0.0065	0.2623	0.0201	0.0056	7	0.13	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0870	0.2718	0.0026	0.2623	0.0201	0.0056	7	0.47	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	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0682	0.2900	0.0000	0.2623	0.0201	0.0056	7	1.38	5%	0
122.05	Aspartic, Pre-col AQC Der (%)	0407	0.1100	0.0600				1			0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0870	0.0408	0.0004	0.0755	0.0198	0.0038	7	-1.76	23%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0227	0.0650	0.0100	0.0755	0.0198	0.0038	7	-0.53	7%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0859	0.0745	0.0019	0.0755	0.0198	0.0038	7	-0.05	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0918	0.0750	0.0100	0.0755	0.0198	0.0038	7	-0.02	0%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0353	0.0800	0.0000	0.0755	0.0198	0.0038	7	0.23	3%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	2059	0.0830	0.0040	0.0755	0.0198	0.0038	7	0.38	5%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0682	0.1150	0.0000	0.0755	0.0198	0.0038	7	2.00	26%	0
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0407	0.0000	0.0000				0			4
125.00	Glutamic, Post-col Ninhydrin Der (%)	0353	0.6050	0.0100	0.6483	0.0410	0.0144	7	-1.06	3%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	2059	0.6160	0.0100	0.6483	0.0410	0.0144	7	-0.79	2%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0227	0.6350	0.0100	0.6483	0.0410	0.0144	7	-0.33	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0918	0.6439	0.0362	0.6483	0.0410	0.0144	7	-0.11	0%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0859	0.6453	0.0139	0.6483	0.0410	0.0144	7	-0.08	0%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0682	0.6910	0.0000	0.6483	0.0410	0.0144	7	1.04	3%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0870	0.7022	0.0209	0.6483	0.0410	0.0144	7	1.31	4%	0
125.05	Glutamic, Pre-col AQC Der (%)	0407	0.2705	0.0430				1			0
126.00	Glycine, Post-col Ninhydrin Der (%)	0353	0.1800	0.0000	0.2042	0.0121	0.0043	7	-2.00	6%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0918	0.1973	0.0116	0.2042	0.0121	0.0043	7	-0.57	2%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0227	0.2000	0.0000	0.2042	0.0121	0.0043	7	-0.35	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	2059	0.2055	0.0050	0.2042	0.0121	0.0043	7	0.11	0%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0682	0.2100	0.0000	0.2042	0.0121	0.0043	7	0.48	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0859	0.2135	0.0048	0.2042	0.0121	0.0043	7	0.77	2%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0870	0.2172	0.0084	0.2042	0.0121	0.0043	7	1.07	3%	0
126.05	Glycine, Pre-col AQC Der (%)	0407	0.1350	0.0060				1			0
127.00	Histidine, Post-col Ninhydrin Der (%)	0859	0.0204	0.0003	0.0871	0.0450	0.0014	7	-1.48	38%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	2059	0.0440	0.0040	0.0871	0.0450	0.0014	7	-0.96	25%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0870	0.0951	0.0045	0.0871	0.0450	0.0014	7	0.18	5%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0353	0.1000	0.0000	0.0871	0.0450	0.0014	7	0.29	7%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0227	0.1100	0.0000	0.0871	0.0450	0.0014	7	0.51	13%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0918	0.1103	0.0010	0.0871	0.0450	0.0014	7	0.52	13%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0682	0.1300	0.0000	0.0871	0.0450	0.0014	7	0.95	25%	0
127.05	Histidine, Pre-col AQC Der (%)	0407	0.0000	0.0000				0			4
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0353	0.1100	0.0000	0.1223	0.0104	0.0008	6	-1.18	5%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0870	0.1149	0.0007	0.1223	0.0104	0.0008	6	-0.71	3%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0859	0.1178	0.0021	0.1223	0.0104	0.0008	6	-0.43	2%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0227	0.1300	0.0000	0.1223	0.0104	0.0008	6	0.74	3%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	2059	0.1300	0.0020	0.1223	0.0104	0.0008	6	0.74	3%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0682	0.1310	0.0000	0.1223	0.0104	0.0008	6	0.84	4%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0918	0.1182	0.0071	0.1223	0.0104	0.0008	6	-0.40	2%	1
128.05	Isoleucine, Pre-col AQC Der (%)	0407	0.1005	0.0210				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	
129.00	Leucine, Post-col Ninhydrin Der (%)	0353	0.1100	0.0000	0.2885	0.0206	0.0053	7	-8.66	31%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0859	0.2803	0.0044	0.2885	0.0206	0.0053	7	-0.40	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	2059	0.2815	0.0030	0.2885	0.0206	0.0053	7	-0.34	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0227	0.2900	0.0000	0.2885	0.0206	0.0053	7	0.07	0%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0918	0.2910	0.0198	0.2885	0.0206	0.0053	7	0.12	0%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0682	0.3060	0.0000	0.2885	0.0206	0.0053	7	0.85	3%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0870	0.3129	0.0097	0.2885	0.0206	0.0053	7	1.18	4%	0
129.05	Leucine, Pre-col AQC Der (%)	0407	0.2425	0.0470				1			0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0353	0.1100	0.0000	0.1279	0.0146	0.0027	6	-1.23	7%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0918	0.1229	0.0054	0.1279	0.0146	0.0027	6	-0.34	2%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0870	0.1245	0.0044	0.1279	0.0146	0.0027	6	-0.23	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	2059	0.1295	0.0030	0.1279	0.0146	0.0027	6	0.11	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0682	0.1310	0.0000	0.1279	0.0146	0.0027	6	0.22	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0859	0.1493	0.0031	0.1279	0.0146	0.0027	6	1.47	8%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0227	0.1000	0.0200	0.1279	0.0146	0.0027	6	-1.91	11%	1
130.05	L-Lysine, Pre-col AQC Der (%)	0407	0.0925	0.0250				1			0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0870	0.0242	0.0009	0.0401	0.0039	0.0010	6	-4.09	20%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	2059	0.0390	0.0040	0.0401	0.0039	0.0010	6	-0.27	1%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0353	0.0400	0.0000	0.0401	0.0039	0.0010	6	-0.02	0%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0682	0.0400	0.0000	0.0401	0.0039	0.0010	6	-0.02	0%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0859	0.0413	0.0011	0.0401	0.0039	0.0010	6	0.30	1%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0918	0.0500	0.0000	0.0401	0.0039	0.0010	6	2.55	12%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0227	0.0350	0.0100	0.0401	0.0039	0.0010	6	-1.30	6%	1
131.05	Methionine, PAO Pre-col AQC Der (%)	0407	0.0000	0.0000				0			4
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	2059	0.1145	0.0010	0.1484	0.0287	0.0035	7	-1.18	11%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0682	0.1270	0.0000	0.1484	0.0287	0.0035	7	-0.75	7%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0227	0.1350	0.0100	0.1484	0.0287	0.0035	7	-0.47	5%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0859	0.1428	0.0034	0.1484	0.0287	0.0035	7	-0.20	2%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0870	0.1661	0.0059	0.1484	0.0287	0.0035	7	0.61	6%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0353	0.1700	0.0000	0.1484	0.0287	0.0035	7	0.75	7%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0918	0.1837	0.0039	0.1484	0.0287	0.0035	7	1.23	12%	0
132.05	Phenylalanine, Pre-col AQC Der (%)	0407	0.0750	0.0280				1			0
133.00	Proline, Post-col Ninhydrin Der (%)	0859	0.2483	0.0049	0.2876	0.0254	0.0037	6	-1.55	7%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0918	0.2741	0.0006	0.2876	0.0254	0.0037	6	-0.53	2%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0682	0.2900	0.0000	0.2876	0.0254	0.0037	6	0.09	0%	0
133.00	Proline, Post-col Ninhydrin Der (%)	2059	0.2980	0.0020	0.2876	0.0254	0.0037	6	0.41	2%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0353	0.3050	0.0100	0.2876	0.0254	0.0037	6	0.69	3%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0870	0.3089	0.0048	0.2876	0.0254	0.0037	6	0.84	4%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0227	0.2850	0.0300	0.2876	0.0254	0.0037	6	-0.10	0%	1
133.05	Proline, Pre-col AQC Der (%)	0407	0.3175	0.0090				1			0
134.00	Serine, Post-col Ninhydrin Der (%)	2059	0.1550	0.0020	0.1666	0.0089	0.0023	7	-1.30	3%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0353	0.1600	0.0000	0.1666	0.0089	0.0023	7	-0.74	2%	0

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134.00	Serine, Post-col Ninhydrin Der (%)	0918	0.1666	0.0079	0.1666	0.0089	0.0023	7	0.00	0%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0859	0.1667	0.0039	0.1666	0.0089	0.0023	7	0.01	0%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0682	0.1680	0.0000	0.1666	0.0089	0.0023	7	0.16	0%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0227	0.1700	0.0000	0.1666	0.0089	0.0023	7	0.38	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0870	0.1874	0.0021	0.1666	0.0089	0.0023	7	2.33	6%	0
134.05	Serine, Pre-col AQC Der (%)	0407	0.0840	0.0360				1			0
135.00	Threonine, Post-col Ninhydrin Der (%)	0353	0.1300	0.0000	0.1426	0.0087	0.0018	7	-1.44	4%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0682	0.1370	0.0000	0.1426	0.0087	0.0018	7	-0.64	2%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	2059	0.1390	0.0020	0.1426	0.0087	0.0018	7	-0.41	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0918	0.1448	0.0075	0.1426	0.0087	0.0018	7	0.25	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0859	0.1454	0.0028	0.1426	0.0087	0.0018	7	0.33	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0227	0.1500	0.0000	0.1426	0.0087	0.0018	7	0.85	3%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0870	0.1518	0.0004	0.1426	0.0087	0.0018	7	1.06	3%	0
135.05	Threonine, Pre-col AQC Der (%)	0407	0.0540	0.0240				1			0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0227	0.0400	0.0000				3			0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0682	0.0400	0.0000				3			0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0918	0.0500	0.0000				3			0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0870	0.0319	0.0014				3			1
136.03	Tryptophan, Alka-Hydrol + IS RP LC FI (%)	2059	0.0355	0.0010				3			0
136.03	Tryptophan, Alka-Hydrol + IS RP LC FI (%)	0859	0.0385	0.0012				3			0
136.03	Tryptophan, Alka-Hydrol + IS RP LC FI (%)	0353	0.2750	0.0100				3			0
136.05	Tryptophan, Pre-col AQC Der (%)	0407	0.0000	0.0000				0			4
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0227	0.1150	0.0100	0.1273	0.0145	0.0044	6	-0.85	5%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0353	0.1150	0.0100	0.1273	0.0145	0.0044	6	-0.85	5%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0682	0.1240	0.0000	0.1273	0.0145	0.0044	6	-0.23	1%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0870	0.1240	0.0000	0.1273	0.0145	0.0044	6	-0.23	1%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	2059	0.1420	0.0060	0.1273	0.0145	0.0044	6	1.01	6%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0918	0.1441	0.0001	0.1273	0.0145	0.0044	6	1.15	7%	0
137.05	Tyrosine, Pre-col AQC Der (%)	0407	0.0255	0.0510				0			4
138.00	Valine, Post-col Ninhydrin Der (%)	0870	0.1748	0.0007	0.1961	0.0177	0.0048	7	-1.21	5%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0353	0.1800	0.0000	0.1961	0.0177	0.0048	7	-0.91	4%	0
138.00	Valine, Post-col Ninhydrin Der (%)	2059	0.1895	0.0030	0.1961	0.0177	0.0048	7	-0.37	2%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0918	0.1963	0.0158	0.1961	0.0177	0.0048	7	0.01	0%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0227	0.2050	0.0100	0.1961	0.0177	0.0048	7	0.50	2%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0859	0.2115	0.0039	0.1961	0.0177	0.0048	7	0.86	4%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0682	0.2160	0.0000	0.1961	0.0177	0.0048	7	1.12	5%	0
138.05	Valine, Pre-col AQC Der (%)	0407	0.1315	0.0030				1			0
139.00	Taurine, Post-col Ninhydrin Der (%)	0682	0.0170	0.0000				1			0
139.05	Taurine, Pre-col AQC Der (%)	0407	0.0485	0.0950				1			0
150.00	Phytase, Colorimetric (Units / kg)	0047	1,525	40.00				1			0
150.99	Phytase, Miscellaneous (Units / kg)	0218	4,904	3,992				1			0
160.99	Fructose, Miscellaneous (%)	0227	< 0.15					0			5

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			
162.99	Glucose, Miscellaneous (%)	0227	< 0.15					0		5	
163.99	Lactose, Miscellaneous (%)	0227	< 0.15					0		5	
164.99	Maltose, Miscellaneous (%)	0227	< 0.15					0		5	
165.99	Sucrose, Miscellaneous (%)	0227	0.1850	0.0300				1		0	
166.99	Raffinose, Miscellaneous (%)	0227	< 0.05					0		5	
167.99	Stachyose, Miscellaneous (%)	0227	< 0.05					0		5	
400.01	Water Activity, Aqualab chilled mirror (Units)	0407	0.3949	0.0012	0.4146	0.0195	0.0049	7	-1.01	2%	0
400.01	Water Activity, Aqualab chilled mirror (Units)	0942	0.3990	0.0100	0.4146	0.0195	0.0049	7	-0.80	2%	0
400.01	Water Activity, Aqualab chilled mirror (Units)	2075	0.4077	0.0049	0.4146	0.0195	0.0049	7	-0.35	1%	0
400.01	Water Activity, Aqualab chilled mirror (Units)	0589	0.4085	0.0090	0.4146	0.0195	0.0049	7	-0.31	1%	0
400.01	Water Activity, Aqualab chilled mirror (Units)	2181	0.4206	0.0017	0.4146	0.0195	0.0049	7	0.31	1%	0
400.01	Water Activity, Aqualab chilled mirror (Units)	0843	0.4276	0.0061	0.4146	0.0195	0.0049	7	0.67	2%	0
400.01	Water Activity, Aqualab chilled mirror (Units)	2109	0.4955	0.0014	0.4146	0.0195	0.0049	7	4.15	10%	0
400.99	Water Activity, Miscellaneous (Units)	2073	0.3805	0.0070				3			0
400.99	Water Activity, Miscellaneous (Units)	0843	0.4135	0.0110				3			0
400.99	Water Activity, Miscellaneous (Units)	2033	0.4165	0.0010				3			0
412.01	Starch, Dietary, Enzymatic-Colorimetric (%)	0353	1.850	0.0800				1			0
516.00	Arsenic, Total, AA, Hydride (mg / kg (ppm))	0683	2.887	0.0690				1			0
516.43	Arsenic, Total, ICP, Microwave (mg / kg (ppm))	0968	2.797	0.2910				2			0
516.43	Arsenic, Total, ICP, Microwave (mg / kg (ppm))	0407	3.893	0.0752				2			0
516.43	Arsenic, Total, ICP, Microwave (mg / kg (ppm))	0021	< 5					2			5
516.52	Arsenic, Total, ICP-MS, Open vessel (mg / kg (ppm))	0910	3.750	0.6200				3			0
516.52	Arsenic, Total, ICP-MS, Open vessel (mg / kg (ppm))	2053	3.880	0.0200				3			0
516.52	Arsenic, Total, ICP-MS, Open vessel (mg / kg (ppm))	0186	5.120	2.980				3			0
516.53	Arsenic, Total, ICP-MS, Microwave (mg / kg (ppm))	0015	3.430	0.6200	4.417	0.7236	0.2785	6	-1.36	11%	0
516.53	Arsenic, Total, ICP-MS, Microwave (mg / kg (ppm))	0021	4.200	0.4000	4.417	0.7236	0.2785	6	-0.30	2%	0
516.53	Arsenic, Total, ICP-MS, Microwave (mg / kg (ppm))	0553	4.235	0.1900	4.417	0.7236	0.2785	6	-0.25	2%	0
516.53	Arsenic, Total, ICP-MS, Microwave (mg / kg (ppm))	0227	4.610	0.2400	4.417	0.7236	0.2785	6	0.27	2%	0
516.53	Arsenic, Total, ICP-MS, Microwave (mg / kg (ppm))	0918	4.676	0.0658	4.417	0.7236	0.2785	6	0.36	3%	0
516.53	Arsenic, Total, ICP-MS, Microwave (mg / kg (ppm))	2012	5.354	0.1550	4.417	0.7236	0.2785	6	1.29	11%	0
516.99	Arsenic, Total, Miscellaneous (mg / kg (ppm))	0171	2.862	0.2720				1			0
518.31	Cadmium, AAS, Dry ash (mg / kg (ppm))	0689	< 0.99					0			5
518.32	Cadmium, AAS, Open vessel (mg / kg (ppm))	0683	0.3150	0.0000				1			0
518.41	Cadmium, ICP, Dry ash (mg / kg (ppm))	0407	0.8381	0.0677				3			0
518.41	Cadmium, ICP, Dry ash (mg / kg (ppm))	0171	1.084	0.0550				3			0
518.41	Cadmium, ICP, Dry ash (mg / kg (ppm))	0695	1.584	0.0330				3			0
518.43	Cadmium, ICP, Microwave (mg / kg (ppm))	0964	1.350	0.0107				2			0
518.43	Cadmium, ICP, Microwave (mg / kg (ppm))	0968	1.472	0.0080				2			0
518.43	Cadmium, ICP, Microwave (mg / kg (ppm))	0021	< 2					2			5
518.52	Cadmium, ICP-MS, Open vessel (mg / kg (ppm))	0910	1.280	0.2200				3			0
518.52	Cadmium, ICP-MS, Open vessel (mg / kg (ppm))	2053	1.365	0.0100				3			0
518.52	Cadmium, ICP-MS, Open vessel (mg / kg (ppm))	0186	1.375	0.0300				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	
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	2012	1.197	0.1030	1.411	0.1799	0.1144	6	-1.19	8%	0
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0015	1.250	0.1600	1.411	0.1799	0.1144	6	-0.89	6%	0
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0918	1.389	0.0635	1.411	0.1799	0.1144	6	-0.12	1%	0
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0227	1.520	0.2400	1.411	0.1799	0.1144	6	0.61	4%	0
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0021	1.550	0.1000	1.411	0.1799	0.1144	6	0.77	5%	0
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0553	1.560	0.0200	1.411	0.1799	0.1144	6	0.83	5%	0
520.41	Chromium, ICP, Dry ash (mg / kg (ppm))	0171	22.24	2.560				2			0
520.41	Chromium, ICP, Dry ash (mg / kg (ppm))	0407	167.9	0.0300				2			0
520.42	Chromium, ICP, Open vessel (mg / kg (ppm))	0693	22.56	0.0840				3			0
520.42	Chromium, ICP, Open vessel (mg / kg (ppm))	2053	25.50	0.2000				3			0
520.42	Chromium, ICP, Open vessel (mg / kg (ppm))	0045	27.95	2.300				3			0
520.43	Chromium, ICP, Microwave (mg / kg (ppm))	0968	23.47	0.0140	27.30	2.948	0.3795	4			0
520.43	Chromium, ICP, Microwave (mg / kg (ppm))	0964	26.81	0.1140	27.30	2.948	0.3795	4			0
520.43	Chromium, ICP, Microwave (mg / kg (ppm))	0021	28.50	1.000	27.30	2.948	0.3795	4			0
520.43	Chromium, ICP, Microwave (mg / kg (ppm))	0510	30.42	0.3900	27.30	2.948	0.3795	4			0
520.51	Chromium, ICP-MS, Dry ash (mg / kg (ppm))	2146	22.97	1.240				1			0
520.52	Chromium, ICP-MS, Open vessel (mg / kg (ppm))	0186	25.05	0.5000				1			0
520.53	Chromium, ICP-MS, Microwave (mg / kg (ppm))	0015	26.34	1.090	29.51	2.940	2.753	5			0
520.53	Chromium, ICP-MS, Microwave (mg / kg (ppm))	0164	27.35	0.9000	29.51	2.940	2.753	5			0
520.53	Chromium, ICP-MS, Microwave (mg / kg (ppm))	0021	29.50	1.000	29.51	2.940	2.753	5			0
520.53	Chromium, ICP-MS, Microwave (mg / kg (ppm))	0553	30.50	4.800	29.51	2.940	2.753	5			0
520.53	Chromium, ICP-MS, Microwave (mg / kg (ppm))	0918	33.85	5.976	29.51	2.940	2.753	5			0
526.31	Lead, AAS, Dry ash (mg / kg (ppm))	0689	< 0.99					0			5
526.32	Lead, AAS, Open vessel (mg / kg (ppm))	0683	2.065	0.0600				1			0
526.41	Lead, ICP, Dry ash (mg / kg (ppm))	0171	0.0640	0.0260				2			0
526.41	Lead, ICP, Dry ash (mg / kg (ppm))	0407	0.9079	0.0091				2			0
526.43	Lead, ICP, Microwave (mg / kg (ppm))	0021	< 5					0			5
526.52	Lead, ICP-MS, Open vessel (mg / kg (ppm))	2053	0.7350	0.0300				2			0
526.52	Lead, ICP-MS, Open vessel (mg / kg (ppm))	0186	1.180	0.2000				2			0
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0021	0.7700	0.1400	1.001	0.1361	0.0691	5			0
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	2012	0.9920	0.0560	1.001	0.1361	0.0691	5			0
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0553	1.050	0.0600	1.001	0.1361	0.0691	5			0
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0227	1.095	0.0500	1.001	0.1361	0.0691	5			0
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0918	1.098	0.0397	1.001	0.1361	0.0691	5			0
529.00	Mercury, Cold vapor (µg / kg (ppb))	0683	0.0000	0.0000				0			4
529.99	Mercury, Miscellaneous (µg / kg (ppb))	2012	6.275	0.0480				1			0
539.41	Nickel, ICP, Dry ash (mg / kg (ppm))	0171	7.290	0.0470				2			0
539.41	Nickel, ICP, Dry ash (mg / kg (ppm))	0407	7.444	1.026				2			0
539.42	Nickel, ICP, Open vessel (mg / kg (ppm))	0186	11.65	0.1000				1			0
539.43	Nickel, ICP, Microwave (mg / kg (ppm))	0964	10.54	0.2975				2			0
539.43	Nickel, ICP, Microwave (mg / kg (ppm))	0021	11.50	1.000				2			0
539.52	Nickel, ICP-MS, Open vessel (mg / kg (ppm))	0186	9.910	0.1800				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			
539.53	Nickel, ICP-MS, Microwave (mg / kg (ppm))	0015	11.71	1.730	12.76	1.373	0.7347	4		0	
539.53	Nickel, ICP-MS, Microwave (mg / kg (ppm))	0021	12.00	0.0000	12.76	1.373	0.7347	4		0	
539.53	Nickel, ICP-MS, Microwave (mg / kg (ppm))	0553	12.60	0.2000	12.76	1.373	0.7347	4		0	
539.53	Nickel, ICP-MS, Microwave (mg / kg (ppm))	0918	14.75	1.009	12.76	1.373	0.7347	4		0	
710.99	Lauric Acid (12:0), Miscellaneous (% (w/w))	0164	< 0.02					0		5	
714.99	Myristic Acid (14:0), Miscellaneous (% (w/w))	0164	< 0.02					0		5	
716.99	Palmitic Acid (16:0), Miscellaneous (% (w/w))	0164	0.2200	0.0600				1		0	
718.99	Palmitoleic Acid (9c-16:1), Miscellaneous (% (w/w))	0164	< 0.04					0		5	
722.99	Stearic Acid (18:0), Miscellaneous (% (w/w))	0164	0.0400	0.0200				1		0	
724.99	Oleic Acid (9c-18:1), Miscellaneous (% (w/w))	0164	0.2150	0.0500				1		0	
726.99	Linoleic Acid (9c,12c-18:2), Miscellaneous (% (w/w))	0164	0.3350	0.0300				1		0	
728.99	alpha-Linolenic Acid (9c,12c,15c-18:3), Miscellaneous (% (w/w))	0164	< 0.02					0		5	
730.99	Arachidic Acid (20:0), Miscellaneous (% (w/w))	0164	< 0.02					0		5	
732.99	Gondoic Acid (11c-20:1), Miscellaneous (% (w/w))	0164	< 0.02					0		5	
742.99	Behenic Acid (22:0), Miscellaneous (% (w/w))	0164	< 0.02					0		5	
754.99	Total n-3 Polyunsaturated (Omega-3) Fatty Acids, Miscellaneous (% (w/w))	0164	< 0.05					0		5	
756.99	Total n-6 Polyunsaturated (Omega-6) Fatty Acids, Miscellaneous (% (w/w))	0164	0.3350	0.0300				1		0	
758.99	Total Saturated Fatty Acids, Miscellaneous (% (w/w))	0164	0.2950	0.0900				1		0	
762.99	Total Monounsaturated Fatty Acids, Miscellaneous (% (w/w))	0164	0.2450	0.0500				1		0	
766.99	Total Polyunsaturated Fatty Acids, Miscellaneous (% (w/w))	0164	0.3650	0.0500				1		0	
770.99	Total Fat (equivalent to NLEA), Miscellaneous (% (w/w))	0164	0.9700	0.2000				1		0	
772.99	Total Fatty Acids, Miscellaneous (% (w/w))	0164	0.9250	0.1900				1		0	

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