

**AAFCO Check Sample Program**  
**All Labs and All Methods Report**  
**Sort by Method**  
**Proficiency For Individual Methods**  
**Sample # 201491**  
**Horse Mineral**



**AAFCO**  
**CHECK SAMPLE PROGRAM**

Robust statistics not used if < 6 labs reporting, in this case the Z Scores are included for information only (Grey).

Issue Date : 12/31/2014

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
000.02	Urea, As protein, Colorimetric (%)	0278	0.20000	0.00000			0.00000	1			
000.99	Urea, Miscellaneous (%)	0920	0.00500	0.01000			0.01000	1			
001.00	Loss on Drying, Vac 95°C 5 hr (%)	2048	2.4673	0.03100	4.1260	1.3516	0.14128	4	-1.23	20%	0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0622	3.7169	0.03410	4.1260	1.3516	0.14128	4	-0.30	5%	0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0309	4.7000	0.40000	4.1260	1.3516	0.14128	4	0.42	7%	0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0504	5.6200	0.10000	4.1260	1.3516	0.14128	4	1.11	18%	0
001.03	Loss on Drying, Low temp. methods (%)	2063	3.5400	0.02000	3.8960	0.33826	0.07200	5	-1.05	5%	0
001.03	Loss on Drying, Low temp. methods (%)	0186	3.5650	0.31000	3.8960	0.33826	0.07200	5	-0.98	4%	0
001.03	Loss on Drying, Low temp. methods (%)	0903	3.9800	0.00000	3.8960	0.33826	0.07200	5	0.25	1%	0
001.03	Loss on Drying, Low temp. methods (%)	0895	4.0700	0.02000	3.8960	0.33826	0.07200	5	0.51	2%	0
001.03	Loss on Drying, Low temp. methods (%)	0893	4.3250	0.01000	3.8960	0.33826	0.07200	5	1.27	6%	0
001.05	Loss on Drying, LECO (%)	0610	4.2050	0.13000			0.13000	1			
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0297	3.4550	0.03000	4.0818	0.35916	0.14850	20	-1.75	8%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0571	3.6700	0.10000	4.0818	0.35916	0.14850	20	-1.15	5%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0843	3.7300	0.30000	4.0818	0.35916	0.14850	20	-0.98	4%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0049	3.7450	0.07000	4.0818	0.35916	0.14850	20	-0.94	4%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0278	3.7600	0.32000	4.0818	0.35916	0.14850	20	-0.90	4%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0035	3.8350	0.09000	4.0818	0.35916	0.14850	20	-0.69	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0226	3.9000	0.20000	4.0818	0.35916	0.14850	20	-0.51	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0353	3.9100	0.10000	4.0818	0.35916	0.14850	20	-0.48	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0592	4.0600	0.08000	4.0818	0.35916	0.14850	20	-0.06	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0683	4.1300	0.04000	4.0818	0.35916	0.14850	20	0.13	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0849	4.1400	0.10000	4.0818	0.35916	0.14850	20	0.16	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0693	4.1500	0.54000	4.0818	0.35916	0.14850	20	0.19	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0695	4.1500	0.02000	4.0818	0.35916	0.14850	20	0.19	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0413	4.2000	0.00000	4.0818	0.35916	0.14850	20	0.33	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0045	4.2500	0.30000	4.0818	0.35916	0.14850	20	0.47	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0038	4.2750	0.09000	4.0818	0.35916	0.14850	20	0.54	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0065	4.4713	0.00000	4.0818	0.35916	0.14850	20	1.08	5%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0083	4.4750	0.35000	4.0818	0.35916	0.14850	20	1.09	5%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0098	4.9700	0.16000	4.0818	0.35916	0.14850	20	2.47	11%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0187	4.9800	0.08000	4.0818	0.35916	0.14850	20	2.50	11%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
001.08	Loss on Drying, 102°C 16 hr, in meat (%)	0337	4.6250	0.19000			0.19000	1			
001.99	Loss on Drying, Miscellaneous (%)	0357	3.4600	0.00000	4.5961	1.2735	0.13667	6	-0.89	12%	0
001.99	Loss on Drying, Miscellaneous (%)	0918	3.5950	0.11000	4.5961	1.2735	0.13667	6	-0.79	11%	0
001.99	Loss on Drying, Miscellaneous (%)	0853	3.9400	0.16000	4.5961	1.2735	0.13667	6	-0.52	7%	0
001.99	Loss on Drying, Miscellaneous (%)	0720	5.0000	0.36000	4.5961	1.2735	0.13667	6	0.32	4%	0
001.99	Loss on Drying, Miscellaneous (%)	0037	5.2600	0.18000	4.5961	1.2735	0.13667	6	0.52	7%	0
001.99	Loss on Drying, Miscellaneous (%)	0852	9.3350	0.01000	4.5961	1.2735	0.13667	6	3.72	52%	0
002.01	Protein, Auto Kjel-Foss (%)	0152	0.00000	0.00000	3.8345	0.19760	0.13780	7	-19.41	50%	0
002.01	Protein, Auto Kjel-Foss (%)	0848	3.7250	0.23000	3.8345	0.19760	0.13780	7	-0.55	1%	0
002.01	Protein, Auto Kjel-Foss (%)	0685	3.7900	0.06000	3.8345	0.19760	0.13780	7	-0.23	1%	0
002.01	Protein, Auto Kjel-Foss (%)	2023	3.8200	0.16000	3.8345	0.19760	0.13780	7	-0.07	0%	0
002.01	Protein, Auto Kjel-Foss (%)	0610	3.9500	0.10000	3.8345	0.19760	0.13780	7	0.58	2%	0
002.01	Protein, Auto Kjel-Foss (%)	0870	3.9560	0.27800	3.8345	0.19760	0.13780	7	0.61	2%	0
002.01	Protein, Auto Kjel-Foss (%)	0062	4.0627	0.13660	3.8345	0.19760	0.13780	7	1.15	3%	0
002.04	Protein, Copper Catalyst (%)	0504	3.8400	0.16000			0.16000	1			
002.05	Protein, Copper, Boric Acid (%)	0939	3.7200	0.04000	3.8890	0.16640	0.05965	11	-1.02	2%	0
002.05	Protein, Copper, Boric Acid (%)	0722	3.7259	0.03920	3.8890	0.16640	0.05965	11	-0.98	2%	0
002.05	Protein, Copper, Boric Acid (%)	2006	3.7350	0.03000	3.8890	0.16640	0.05965	11	-0.93	2%	0
002.05	Protein, Copper, Boric Acid (%)	0921	3.8150	0.07000	3.8890	0.16640	0.05965	11	-0.44	1%	0
002.05	Protein, Copper, Boric Acid (%)	0895	3.8350	0.01000	3.8890	0.16640	0.05965	11	-0.32	1%	0
002.05	Protein, Copper, Boric Acid (%)	0849	3.8465	0.06700	3.8890	0.16640	0.05965	11	-0.26	1%	0
002.05	Protein, Copper, Boric Acid (%)	2063	3.8650	0.01000	3.8890	0.16640	0.05965	11	-0.14	0%	0
002.05	Protein, Copper, Boric Acid (%)	2048	3.9970	0.08000	3.8890	0.16640	0.05965	11	0.65	1%	0
002.05	Protein, Copper, Boric Acid (%)	0683	4.0250	0.09000	3.8890	0.16640	0.05965	11	0.82	2%	0
002.05	Protein, Copper, Boric Acid (%)	0852	4.1000	0.20000	3.8890	0.16640	0.05965	11	1.27	3%	0
002.05	Protein, Copper, Boric Acid (%)	0893	4.1300	0.02000	3.8890	0.16640	0.05965	11	1.45	3%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0138	3.4585	0.05300	3.9321	0.25953	0.10425	48	-1.82	6%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0676	3.4665	0.06500	3.9321	0.25953	0.10425	48	-1.79	6%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0242	3.5200	0.06000	3.9321	0.25953	0.10425	48	-1.59	5%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0693	3.5550	0.15000	3.9321	0.25953	0.10425	48	-1.45	5%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2006	3.5600	0.04000	3.9321	0.25953	0.10425	48	-1.43	5%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0960	3.5750	0.07000	3.9321	0.25953	0.10425	48	-1.38	5%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0008	3.5800	0.10000	3.9321	0.25953	0.10425	48	-1.36	4%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0541	3.6500	0.04000	3.9321	0.25953	0.10425	48	-1.09	4%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0720	3.6600	0.02000	3.9321	0.25953	0.10425	48	-1.05	3%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0353	3.6900	0.34000	3.9321	0.25953	0.10425	48	-0.93	3%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0297	3.7200	0.02000	3.9321	0.25953	0.10425	48	-0.82	3%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2023	3.7600	0.08000	3.9321	0.25953	0.10425	48	-0.66	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0610	3.7750	0.05000	3.9321	0.25953	0.10425	48	-0.61	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0278	3.8000	0.00000	3.9321	0.25953	0.10425	48	-0.51	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0205	3.8250	0.03000	3.9321	0.25953	0.10425	48	-0.41	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0921	3.8350	0.17000	3.9321	0.25953	0.10425	48	-0.37	1%	0

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			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
002.06	Protein, Combustion Nitrogen Analyzer (%)	0682	3.8400	0.00000	3.9321	0.25953	0.10425	48	-0.35	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0959	3.8650	0.27000	3.9321	0.25953	0.10425	48	-0.26	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0571	3.8755	0.02500	3.9321	0.25953	0.10425	48	-0.22	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0337	3.8850	0.01000	3.9321	0.25953	0.10425	48	-0.18	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0520	3.9000	0.24000	3.9321	0.25953	0.10425	48	-0.12	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0956	3.9000	0.20000	3.9321	0.25953	0.10425	48	-0.12	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0692	3.9100	0.02000	3.9321	0.25953	0.10425	48	-0.09	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0939	3.9200	0.10000	3.9321	0.25953	0.10425	48	-0.05	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0425	3.9750	0.05000	3.9321	0.25953	0.10425	48	0.17	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0650	3.9750	0.05000	3.9321	0.25953	0.10425	48	0.17	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0958	3.9750	0.11000	3.9321	0.25953	0.10425	48	0.17	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0065	3.9829	0.00810	3.9321	0.25953	0.10425	48	0.20	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0164	4.0000	0.08000	3.9321	0.25953	0.10425	48	0.26	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0673	4.0000	0.00000	3.9321	0.25953	0.10425	48	0.26	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0695	4.0050	0.13000	3.9321	0.25953	0.10425	48	0.28	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0037	4.0150	0.03000	3.9321	0.25953	0.10425	48	0.32	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0358	4.0300	0.12000	3.9321	0.25953	0.10425	48	0.38	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0265	4.0350	0.11000	3.9321	0.25953	0.10425	48	0.40	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0918	4.0350	0.09000	3.9321	0.25953	0.10425	48	0.40	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0687	4.0500	0.10000	3.9321	0.25953	0.10425	48	0.45	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2076	4.1050	0.19000	3.9321	0.25953	0.10425	48	0.67	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0843	4.1400	0.22000	3.9321	0.25953	0.10425	48	0.80	3%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0407	4.1600	0.10000	3.9321	0.25953	0.10425	48	0.88	3%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0953	4.1645	0.30300	3.9321	0.25953	0.10425	48	0.90	3%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0683	4.2000	0.04000	3.9321	0.25953	0.10425	48	1.03	3%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0208	4.2035	0.08900	3.9321	0.25953	0.10425	48	1.05	3%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0309	4.2635	0.06100	3.9321	0.25953	0.10425	48	1.28	4%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0504	4.2950	0.05000	3.9321	0.25953	0.10425	48	1.40	5%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0589	4.3200	0.26000	3.9321	0.25953	0.10425	48	1.49	5%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0168	4.3710	0.04000	3.9321	0.25953	0.10425	48	1.69	6%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0592	4.4200	0.24000	3.9321	0.25953	0.10425	48	1.88	6%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0038	4.4400	0.38000	3.9321	0.25953	0.10425	48	1.96	6%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0171	0.63500	0.01000	3.9321	0.25953	0.10425	48	-12.70	42%	2
002.08	Protein, Cu / Ti (%)	0208	3.9300	0.02000			0.02000	1			
002.11	Protein, NIR (%)	0720	25.210	0.06000			0.06000	1			
002.99	Protein, Miscellaneous (%)	2004	3.9150	0.11000			0.11000	1			
003.00	Fat, Eth Ext., Direct (%)	0065	2.8294	0.02880	4.4448	2.4881	0.03293	3	-0.65	18%	0
003.00	Fat, Eth Ext., Direct (%)	0309	3.1950	0.01000	4.4448	2.4881	0.03293	3	-0.50	14%	0
003.00	Fat, Eth Ext., Direct (%)	0337	7.3100	0.06000	4.4448	2.4881	0.03293	3	1.15	32%	0
003.01	Fat, Ind Eth Ext (13th ed.), Indirect (%)	0504	1.2550	0.33000			0.33000	1			
003.06	Fat, Pet Ether (%)	2063	2.1300	0.02000	2.7198	0.10922	0.04703	9	-5.40	11%	0
003.06	Fat, Pet Ether (%)	0164	2.6250	0.03000	2.7198	0.10922	0.04703	9	-0.87	2%	0

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003.06	Fat, Pet Ether (%)	0687	2.6750	0.05000	2.7198	0.10922	0.04703	9	-0.41	1%	0
003.06	Fat, Pet Ether (%)	0297	2.6950	0.09000	2.7198	0.10922	0.04703	9	-0.23	0%	0
003.06	Fat, Pet Ether (%)	0849	2.7000	0.02000	2.7198	0.10922	0.04703	9	-0.18	0%	0
003.06	Fat, Pet Ether (%)	0852	2.7750	0.13000	2.7198	0.10922	0.04703	9	0.51	1%	0
003.06	Fat, Pet Ether (%)	0425	2.7850	0.05000	2.7198	0.10922	0.04703	9	0.60	1%	0
003.06	Fat, Pet Ether (%)	0682	2.8000	0.00000	2.7198	0.10922	0.04703	9	0.73	1%	0
003.06	Fat, Pet Ether (%)	0722	3.0815	0.03330	2.7198	0.10922	0.04703	9	3.31	7%	0
003.06	Fat, Pet Ether (%)	0918	4.2350	0.45000	2.7198	0.10922	0.04703	9	13.87	28%	1
003.09	Fat, Soxtec, Eth Ext (%)	0152	0.00000	0.00000	1.8850	1.6341	0.01667	3	-1.15	50%	0
003.09	Fat, Soxtec, Eth Ext (%)	0685	2.7550	0.05000	1.8850	1.6341	0.01667	3	0.53	23%	0
003.09	Fat, Soxtec, Eth Ext (%)	0673	2.9000	0.00000	1.8850	1.6341	0.01667	3	0.62	27%	0
003.10	Fat, Soxtec, Pet Ether (%)	0720	2.0450	0.11000	2.3565	0.29311	0.17968	6	-1.06	7%	0
003.10	Fat, Soxtec, Pet Ether (%)	0062	2.1920	0.36800	2.3565	0.29311	0.17968	6	-0.56	3%	0
003.10	Fat, Soxtec, Pet Ether (%)	0695	2.2100	0.10000	2.3565	0.29311	0.17968	6	-0.50	3%	0
003.10	Fat, Soxtec, Pet Ether (%)	0693	2.3650	0.27000	2.3565	0.29311	0.17968	6	0.03	0%	0
003.10	Fat, Soxtec, Pet Ether (%)	0242	2.6800	0.04000	2.3565	0.29311	0.17968	6	1.10	7%	0
003.10	Fat, Soxtec, Pet Ether (%)	0870	2.6897	0.19010	2.3565	0.29311	0.17968	6	1.14	7%	0
003.11	Fat, NIR (%)	0720	0.13500	0.03000			0.03000	1			
003.12	Fat, Hexane Ext (%)	0893	2.6900	0.00000			0.00000	1			
003.13	Fat, Soxtec, Hexane Ext. (%)	2048	1.9785	0.09700	2.3975	0.35542	0.06050	4	-1.18	9%	0
003.13	Fat, Soxtec, Hexane Ext. (%)	0208	2.2450	0.03000	2.3975	0.35542	0.06050	4	-0.43	3%	0
003.13	Fat, Soxtec, Hexane Ext. (%)	0205	2.5915	0.00500	2.3975	0.35542	0.06050	4	0.55	4%	0
003.13	Fat, Soxtec, Hexane Ext. (%)	2006	2.7750	0.11000	2.3975	0.35542	0.06050	4	1.06	8%	0
003.14	Fat, Ankom (%)	0843	1.4750	0.35000	2.2838	0.69695	0.14545	11	-1.16	18%	0
003.14	Fat, Ankom (%)	0956	1.6000	0.20000	2.2838	0.69695	0.14545	11	-0.98	15%	0
003.14	Fat, Ankom (%)	0265	1.8100	0.24000	2.2838	0.69695	0.14545	11	-0.68	10%	0
003.14	Fat, Ankom (%)	0407	1.9350	0.11000	2.2838	0.69695	0.14545	11	-0.50	8%	0
003.14	Fat, Ankom (%)	0278	2.0500	0.10000	2.2838	0.69695	0.14545	11	-0.34	5%	0
003.14	Fat, Ankom (%)	0520	2.2700	0.06000	2.2838	0.69695	0.14545	11	-0.02	0%	0
003.14	Fat, Ankom (%)	0683	2.2800	0.04000	2.2838	0.69695	0.14545	11	-0.01	0%	0
003.14	Fat, Ankom (%)	0848	2.3750	0.09000	2.2838	0.69695	0.14545	11	0.13	2%	0
003.14	Fat, Ankom (%)	0853	2.7400	0.12000	2.2838	0.69695	0.14545	11	0.65	10%	0
003.14	Fat, Ankom (%)	2023	4.4650	0.05000	2.2838	0.69695	0.14545	11	3.13	48%	0
003.14	Fat, Ankom (%)	0358	5.6100	0.24000	2.2838	0.69695	0.14545	11	4.77	73%	0
004.00	Fiber, Crude Asbestos Free (%)	2004	2.1450	0.05000	2.4383	0.29678	0.20361	10	-0.99	6%	0
004.00	Fiber, Crude Asbestos Free (%)	0337	2.1750	0.09000	2.4383	0.29678	0.20361	10	-0.89	5%	0
004.00	Fiber, Crude Asbestos Free (%)	2023	2.2000	0.14000	2.4383	0.29678	0.20361	10	-0.80	5%	0
004.00	Fiber, Crude Asbestos Free (%)	0309	2.2449	0.21610	2.4383	0.29678	0.20361	10	-0.65	4%	0
004.00	Fiber, Crude Asbestos Free (%)	0164	2.3000	0.20000	2.4383	0.29678	0.20361	10	-0.47	3%	0
004.00	Fiber, Crude Asbestos Free (%)	0425	2.4500	0.10000	2.4383	0.29678	0.20361	10	0.04	0%	0
004.00	Fiber, Crude Asbestos Free (%)	0208	2.6150	0.41000	2.4383	0.29678	0.20361	10	0.60	4%	0
004.00	Fiber, Crude Asbestos Free (%)	2076	2.6400	0.08000	2.4383	0.29678	0.20361	10	0.68	4%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
004.00	Fiber, Crude Asbestos Free (%)	0695	2.7600	0.18000	2.4383	0.29678	0.20361	10	1.08	7%	0
004.00	Fiber, Crude Asbestos Free (%)	0504	3.5550	0.57000	2.4383	0.29678	0.20361	10	3.76	23%	0
004.03	Fiber, Fritted Glass (%)	0693	2.4650	0.33000			0.33000	1			
004.06	Fiber, Fibertec (%)	0038	1.8550	0.07000	2.2339	0.35095	0.07703	7	-1.08	8%	0
004.06	Fiber, Fibertec (%)	0918	1.8550	0.01000	2.2339	0.35095	0.07703	7	-1.08	8%	0
004.06	Fiber, Fibertec (%)	0205	2.1200	0.04000	2.2339	0.35095	0.07703	7	-0.32	3%	0
004.06	Fiber, Fibertec (%)	2006	2.2250	0.07000	2.2339	0.35095	0.07703	7	-0.03	0%	0
004.06	Fiber, Fibertec (%)	0722	2.4272	0.13920	2.2339	0.35095	0.07703	7	0.55	4%	0
004.06	Fiber, Fibertec (%)	2063	2.5550	0.01000	2.2339	0.35095	0.07703	7	0.91	7%	0
004.06	Fiber, Fibertec (%)	0673	2.6000	0.20000	2.2339	0.35095	0.07703	7	1.04	8%	0
004.07	Fiber, ANKOM (%)	0297	0.72130	0.00900	3.0776	1.3990	0.15970	13	-1.68	38%	0
004.07	Fiber, ANKOM (%)	0265	1.5150	0.05000	3.0776	1.3990	0.15970	13	-1.12	25%	0
004.07	Fiber, ANKOM (%)	0956	2.1000	0.40000	3.0776	1.3990	0.15970	13	-0.70	16%	0
004.07	Fiber, ANKOM (%)	0682	2.2000	0.00000	3.0776	1.3990	0.15970	13	-0.63	14%	0
004.07	Fiber, ANKOM (%)	0849	2.2015	0.07700	3.0776	1.3990	0.15970	13	-0.63	14%	0
004.07	Fiber, ANKOM (%)	0407	2.7600	0.10000	3.0776	1.3990	0.15970	13	-0.23	5%	0
004.07	Fiber, ANKOM (%)	0848	3.0300	0.42000	3.0776	1.3990	0.15970	13	-0.03	1%	0
004.07	Fiber, ANKOM (%)	0708	3.2700	0.06000	3.0776	1.3990	0.15970	13	0.14	3%	0
004.07	Fiber, ANKOM (%)	0278	3.7000	0.00000	3.0776	1.3990	0.15970	13	0.44	10%	0
004.07	Fiber, ANKOM (%)	0683	3.8850	0.39000	3.0776	1.3990	0.15970	13	0.58	13%	0
004.07	Fiber, ANKOM (%)	0520	4.5950	0.41000	3.0776	1.3990	0.15970	13	1.08	25%	0
004.07	Fiber, ANKOM (%)	0870	4.6926	0.07010	3.0776	1.3990	0.15970	13	1.15	26%	0
004.07	Fiber, ANKOM (%)	0242	6.5450	0.09000	3.0776	1.3990	0.15970	13	2.48	56%	0
005.00	Ash, 2h @ 600°C (%)	2048	62.586	0.14060	65.195	0.43799	0.15820	52	-5.96	2%	0
005.00	Ash, 2h @ 600°C (%)	0960	63.985	0.25000	65.195	0.43799	0.15820	52	-2.76	1%	0
005.00	Ash, 2h @ 600°C (%)	0425	64.205	0.11000	65.195	0.43799	0.15820	52	-2.26	1%	0
005.00	Ash, 2h @ 600°C (%)	0164	64.265	0.19000	65.195	0.43799	0.15820	52	-2.12	1%	0
005.00	Ash, 2h @ 600°C (%)	0278	64.305	0.03000	65.195	0.43799	0.15820	52	-2.03	1%	0
005.00	Ash, 2h @ 600°C (%)	0178	64.595	0.27000	65.195	0.43799	0.15820	52	-1.37	0%	0
005.00	Ash, 2h @ 600°C (%)	0065	64.621	0.09250	65.195	0.43799	0.15820	52	-1.31	0%	0
005.00	Ash, 2h @ 600°C (%)	0650	64.685	0.21000	65.195	0.43799	0.15820	52	-1.16	0%	0
005.00	Ash, 2h @ 600°C (%)	0623	64.783	0.17430	65.195	0.43799	0.15820	52	-0.94	0%	0
005.00	Ash, 2h @ 600°C (%)	0598	64.785	0.11000	65.195	0.43799	0.15820	52	-0.94	0%	0
005.00	Ash, 2h @ 600°C (%)	0539	64.875	0.13000	65.195	0.43799	0.15820	52	-0.73	0%	0
005.00	Ash, 2h @ 600°C (%)	0208	64.900	0.20000	65.195	0.43799	0.15820	52	-0.67	0%	0
005.00	Ash, 2h @ 600°C (%)	0541	64.945	0.11000	65.195	0.43799	0.15820	52	-0.57	0%	0
005.00	Ash, 2h @ 600°C (%)	0596	64.950	0.06000	65.195	0.43799	0.15820	52	-0.56	0%	0
005.00	Ash, 2h @ 600°C (%)	0242	64.960	0.02000	65.195	0.43799	0.15820	52	-0.54	0%	0
005.00	Ash, 2h @ 600°C (%)	0510	64.965	0.01000	65.195	0.43799	0.15820	52	-0.53	0%	0
005.00	Ash, 2h @ 600°C (%)	0918	64.975	0.05000	65.195	0.43799	0.15820	52	-0.50	0%	0
005.00	Ash, 2h @ 600°C (%)	0651	64.999	0.07000	65.195	0.43799	0.15820	52	-0.45	0%	0
005.00	Ash, 2h @ 600°C (%)	0693	65.020	0.22000	65.195	0.43799	0.15820	52	-0.40	0%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
005.00	Ash, 2h @ 600°C (%)	2068	65.045	0.01000	65.195	0.43799	0.15820	52	-0.34	0%	0
005.00	Ash, 2h @ 600°C (%)	0870	65.074	0.14520	65.195	0.43799	0.15820	52	-0.28	0%	0
005.00	Ash, 2h @ 600°C (%)	0008	65.115	0.23000	65.195	0.43799	0.15820	52	-0.18	0%	0
005.00	Ash, 2h @ 600°C (%)	0620	65.130	0.15000	65.195	0.43799	0.15820	52	-0.15	0%	0
005.00	Ash, 2h @ 600°C (%)	0682	65.140	0.00000	65.195	0.43799	0.15820	52	-0.13	0%	0
005.00	Ash, 2h @ 600°C (%)	0956	65.150	0.10000	65.195	0.43799	0.15820	52	-0.10	0%	0
005.00	Ash, 2h @ 600°C (%)	0622	65.154	0.19280	65.195	0.43799	0.15820	52	-0.09	0%	0
005.00	Ash, 2h @ 600°C (%)	0853	65.190	0.32000	65.195	0.43799	0.15820	52	-0.01	0%	0
005.00	Ash, 2h @ 600°C (%)	0035	65.225	0.09000	65.195	0.43799	0.15820	52	0.07	0%	0
005.00	Ash, 2h @ 600°C (%)	0722	65.235	0.08490	65.195	0.43799	0.15820	52	0.09	0%	0
005.00	Ash, 2h @ 600°C (%)	0520	65.240	0.36000	65.195	0.43799	0.15820	52	0.10	0%	0
005.00	Ash, 2h @ 600°C (%)	0205	65.265	0.13000	65.195	0.43799	0.15820	52	0.16	0%	0
005.00	Ash, 2h @ 600°C (%)	0337	65.325	0.33000	65.195	0.43799	0.15820	52	0.30	0%	0
005.00	Ash, 2h @ 600°C (%)	0358	65.355	0.09000	65.195	0.43799	0.15820	52	0.36	0%	0
005.00	Ash, 2h @ 600°C (%)	0407	65.380	0.14000	65.195	0.43799	0.15820	52	0.42	0%	0
005.00	Ash, 2h @ 600°C (%)	2006	65.380	0.06000	65.195	0.43799	0.15820	52	0.42	0%	0
005.00	Ash, 2h @ 600°C (%)	0108	65.415	0.01000	65.195	0.43799	0.15820	52	0.50	0%	0
005.00	Ash, 2h @ 600°C (%)	0958	65.420	0.16000	65.195	0.43799	0.15820	52	0.51	0%	0
005.00	Ash, 2h @ 600°C (%)	0953	65.440	0.10000	65.195	0.43799	0.15820	52	0.56	0%	0
005.00	Ash, 2h @ 600°C (%)	0848	65.505	0.03000	65.195	0.43799	0.15820	52	0.71	0%	0
005.00	Ash, 2h @ 600°C (%)	0265	65.515	0.03000	65.195	0.43799	0.15820	52	0.73	0%	0
005.00	Ash, 2h @ 600°C (%)	0083	65.535	0.35000	65.195	0.43799	0.15820	52	0.78	0%	0
005.00	Ash, 2h @ 600°C (%)	0186	65.550	0.10000	65.195	0.43799	0.15820	52	0.81	0%	0
005.00	Ash, 2h @ 600°C (%)	0138	65.584	0.06800	65.195	0.43799	0.15820	52	0.89	0%	0
005.00	Ash, 2h @ 600°C (%)	0939	65.690	0.70000	65.195	0.43799	0.15820	52	1.13	0%	0
005.00	Ash, 2h @ 600°C (%)	0589	65.935	0.09000	65.195	0.43799	0.15820	52	1.69	1%	0
005.00	Ash, 2h @ 600°C (%)	0062	66.128	0.43800	65.195	0.43799	0.15820	52	2.13	1%	0
005.00	Ash, 2h @ 600°C (%)	0948	66.215	0.03000	65.195	0.43799	0.15820	52	2.33	1%	0
005.00	Ash, 2h @ 600°C (%)	0297	66.250	0.30000	65.195	0.43799	0.15820	52	2.41	1%	0
005.00	Ash, 2h @ 600°C (%)	0144	66.305	0.13000	65.195	0.43799	0.15820	52	2.53	1%	0
005.00	Ash, 2h @ 600°C (%)	0852	66.540	0.38000	65.195	0.43799	0.15820	52	3.07	1%	0
005.00	Ash, 2h @ 600°C (%)	0309	66.650	0.30000	65.195	0.43799	0.15820	52	3.32	1%	0
005.00	Ash, 2h @ 600°C (%)	0038	66.995	0.13000	65.195	0.43799	0.15820	52	4.11	1%	0
005.00	Ash, 2h @ 600°C (%)	0959	63.555	2.5900	65.195	0.43799	0.15820	52	-3.74	1%	1
005.00	Ash, 2h @ 600°C (%)	0504	73.275	1.3700	65.195	0.43799	0.15820	52	18.45	6%	1
005.00	Ash, 2h @ 600°C (%)	0152	0.00000	0.00000	65.195	0.43799	0.15820	52	-148.85	50%	2
005.02	Ash, LECO (%)	0610	65.650	0.26000			0.26000	1			
005.05	Ash, 3h @ 550°C (%)	0695	64.135	0.01000	65.610	0.85937	0.12080	15	-1.72	1%	0
005.05	Ash, 3h @ 550°C (%)	0685	64.275	0.07000	65.610	0.85937	0.12080	15	-1.55	1%	0
005.05	Ash, 3h @ 550°C (%)	0893	64.945	0.03000	65.610	0.85937	0.12080	15	-0.77	1%	0
005.05	Ash, 3h @ 550°C (%)	0891	65.172	0.03600	65.610	0.85937	0.12080	15	-0.51	0%	0
005.05	Ash, 3h @ 550°C (%)	0689	65.220	0.38000	65.610	0.85937	0.12080	15	-0.45	0%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
005.05	Ash, 3h @ 550°C (%)	0897	65.350	0.10000	65.610	0.85937	0.12080	15	-0.30	0%	0
005.05	Ash, 3h @ 550°C (%)	0683	65.360	0.44000	65.610	0.85937	0.12080	15	-0.29	0%	0
005.05	Ash, 3h @ 550°C (%)	0878	65.500	0.04000	65.610	0.85937	0.12080	15	-0.13	0%	0
005.05	Ash, 3h @ 550°C (%)	2063	65.605	0.01000	65.610	0.85937	0.12080	15	-0.01	0%	0
005.05	Ash, 3h @ 550°C (%)	0849	65.813	0.14600	65.610	0.85937	0.12080	15	0.24	0%	0
005.05	Ash, 3h @ 550°C (%)	0903	66.000	0.02000	65.610	0.85937	0.12080	15	0.45	0%	0
005.05	Ash, 3h @ 550°C (%)	0895	66.570	0.04000	65.610	0.85937	0.12080	15	1.12	1%	0
005.05	Ash, 3h @ 550°C (%)	0921	66.610	0.00000	65.610	0.85937	0.12080	15	1.16	1%	0
005.05	Ash, 3h @ 550°C (%)	0720	66.865	0.39000	65.610	0.85937	0.12080	15	1.46	1%	0
005.05	Ash, 3h @ 550°C (%)	0619	69.650	0.10000	65.610	0.85937	0.12080	15	4.70	3%	0
005.05	Ash, 3h @ 550°C (%)	0413	66.600	1.4000	65.610	0.85937	0.12080	15	1.15	1%	1
005.11	Ash, NIR (%)	0720	15.645	0.01000			0.01000	1			
005.99	Ash, Miscellaneous (%)	2004	65.250	0.10000	65.713	0.44613	0.06667	3	-1.04	0%	0
005.99	Ash, Miscellaneous (%)	0673	65.750	0.10000	65.713	0.44613	0.06667	3	0.08	0%	0
005.99	Ash, Miscellaneous (%)	2023	66.140	0.00000	65.713	0.44613	0.06667	3	0.96	0%	0
006.01	Total sugars, Mod. Fehling Soln (%)	0407	1.3300	0.06000			0.06000	1			
006.99	Total sugars, Miscellaneous (%)	2004	0.86250	0.03900	0.98125	0.16794	0.11950	2	-0.71	6%	0
006.99	Total sugars, Miscellaneous (%)	0956	1.1000	0.20000	0.98125	0.16794	0.11950	2	0.71	6%	0
008.02	Fiber, Acid Detergent (%)	0504	3.2500	0.02000	4.3662	1.5610	0.31233	3	-0.72	13%	0
008.02	Fiber, Acid Detergent (%)	0309	3.6985	0.01700	4.3662	1.5610	0.31233	3	-0.43	8%	0
008.02	Fiber, Acid Detergent (%)	0673	6.1500	0.90000	4.3662	1.5610	0.31233	3	1.14	20%	0
008.05	Fiber, Acid Detergent-Hach (%)	0265	4.2500	0.10000			0.10000	1			
008.08	Fiber, Acid Detergent, ANKOM (%)	2004	2.7250	0.07000	3.1357	0.32676	0.34152	11	-1.26	7%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0918	2.7445	0.23700	3.1357	0.32676	0.34152	11	-1.20	6%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0358	2.9300	0.16000	3.1357	0.32676	0.34152	11	-0.63	3%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0164	2.9500	0.10000	3.1357	0.32676	0.34152	11	-0.57	3%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0407	3.0850	0.43000	3.1357	0.32676	0.34152	11	-0.16	1%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0956	3.1500	0.70000	3.1357	0.32676	0.34152	11	0.04	0%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0297	3.2000	0.40000	3.1357	0.32676	0.34152	11	0.20	1%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0278	3.2500	0.30000	3.1357	0.32676	0.34152	11	0.35	2%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0870	3.3185	0.06970	3.1357	0.32676	0.34152	11	0.56	3%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0693	3.5450	1.0300	3.1357	0.32676	0.34152	11	1.25	7%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0037	4.2100	0.26000	3.1357	0.32676	0.34152	11	3.29	17%	0
009.04	Fiber, Neutral Det-No ENZ Pretreat (%)	0504	4.6500	0.74000			0.74000	1			
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0309	5.6490	0.62110			0.62110	1			
009.09	Fiber, Neutral Detergent, ANKOM (%)	0870	3.1879	0.17510	4.9947	0.60745	0.35646	11	-2.97	18%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	2004	4.0950	0.17000	4.9947	0.60745	0.35646	11	-1.48	9%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0164	4.5000	0.40000	4.9947	0.60745	0.35646	11	-0.81	5%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0407	4.7100	0.22000	4.9947	0.60745	0.35646	11	-0.47	3%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0265	4.7500	0.10000	4.9947	0.60745	0.35646	11	-0.40	2%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0278	5.1500	0.10000	4.9947	0.60745	0.35646	11	0.26	2%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0693	5.2200	1.1600	4.9947	0.60745	0.35646	11	0.37	2%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
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009.09	Fiber, Neutral Detergent, ANKOM (%)	0956	5.3000	0.20000	4.9947	0.60745	0.35646	11	0.50	3%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0297	5.3900	0.26000	4.9947	0.60745	0.35646	11	0.65	4%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0037	5.4950	0.19000	4.9947	0.60745	0.35646	11	0.82	5%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0918	6.4520	0.94600	4.9947	0.60745	0.35646	11	2.40	15%	0
009.99	Fiber, Neutral Det Miscellaneous (%)	0673	2.9000	0.00000	7.1850	6.0599	0.03000	2	-0.71	30%	0
009.99	Fiber, Neutral Det Miscellaneous (%)	0720	11.470	0.06000	7.1850	6.0599	0.03000	2	0.71	30%	0
010.03	Moisture, Karl-Fischer (%)	0208	3.7200	0.02000	4.0883	0.56183	0.13000	3	-0.66	5%	0
010.03	Moisture, Karl-Fischer (%)	0164	3.8100	0.14000	4.0883	0.56183	0.13000	3	-0.50	3%	0
010.03	Moisture, Karl-Fischer (%)	0843	4.7350	0.23000	4.0883	0.56183	0.13000	3	1.15	8%	0
010.11	Moisture, NIR (%)	2043	4.4900	0.74000	10.350	8.2873	0.38000	2	-0.71	28%	0
010.11	Moisture, NIR (%)	0720	16.210	0.02000	10.350	8.2873	0.38000	2	0.71	28%	0
010.99	Moisture, Miscellaneous (%)	0673	3.5000	0.00000	4.0808	0.50905	0.24900	5	-1.14	7%	0
010.99	Moisture, Miscellaneous (%)	0168	3.6900	0.48000	4.0808	0.50905	0.24900	5	-0.77	5%	0
010.99	Moisture, Miscellaneous (%)	0722	4.1689	0.15500	4.0808	0.50905	0.24900	5	0.17	1%	0
010.99	Moisture, Miscellaneous (%)	0939	4.2500	0.10000	4.0808	0.50905	0.24900	5	0.33	2%	0
010.99	Moisture, Miscellaneous (%)	2004	4.7950	0.51000	4.0808	0.50905	0.24900	5	1.40	9%	0
011.01	Loss on Drying, 135°C 2hr (%)	0152	0.00000	0.00000	7.0111	0.88304	0.18182	34	-7.94	50%	0
011.01	Loss on Drying, 135°C 2hr (%)	0682	5.1600	0.00000	7.0111	0.88304	0.18182	34	-2.10	13%	0
011.01	Loss on Drying, 135°C 2hr (%)	0062	5.1720	0.17200	7.0111	0.88304	0.18182	34	-2.08	13%	0
011.01	Loss on Drying, 135°C 2hr (%)	0294	5.4500	0.30000	7.0111	0.88304	0.18182	34	-1.77	11%	0
011.01	Loss on Drying, 135°C 2hr (%)	0622	5.5746	0.02030	7.0111	0.88304	0.18182	34	-1.63	10%	0
011.01	Loss on Drying, 135°C 2hr (%)	0870	5.6152	0.30830	7.0111	0.88304	0.18182	34	-1.58	10%	0
011.01	Loss on Drying, 135°C 2hr (%)	0843	5.7550	0.39000	7.0111	0.88304	0.18182	34	-1.42	9%	0
011.01	Loss on Drying, 135°C 2hr (%)	2006	5.7850	0.09000	7.0111	0.88304	0.18182	34	-1.39	9%	0
011.01	Loss on Drying, 135°C 2hr (%)	0358	6.0950	0.55000	7.0111	0.88304	0.18182	34	-1.04	7%	0
011.01	Loss on Drying, 135°C 2hr (%)	0722	6.2999	0.38120	7.0111	0.88304	0.18182	34	-0.81	5%	0
011.01	Loss on Drying, 135°C 2hr (%)	0226	6.4500	0.10000	7.0111	0.88304	0.18182	34	-0.64	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0208	6.5450	0.31000	7.0111	0.88304	0.18182	34	-0.53	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0953	6.7350	0.07000	7.0111	0.88304	0.18182	34	-0.31	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0171	6.9000	0.24000	7.0111	0.88304	0.18182	34	-0.13	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0848	6.9650	0.11000	7.0111	0.88304	0.18182	34	-0.05	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0039	7.1279	0.01220	7.0111	0.88304	0.18182	34	0.13	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0539	7.1800	0.36000	7.0111	0.88304	0.18182	34	0.19	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0265	7.3000	0.20000	7.0111	0.88304	0.18182	34	0.33	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0164	7.3050	0.13000	7.0111	0.88304	0.18182	34	0.33	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0685	7.3500	0.18000	7.0111	0.88304	0.18182	34	0.38	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0008	7.3650	0.19000	7.0111	0.88304	0.18182	34	0.40	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0138	7.3750	0.05000	7.0111	0.88304	0.18182	34	0.41	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0959	7.3950	0.19000	7.0111	0.88304	0.18182	34	0.43	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0650	7.4100	0.30000	7.0111	0.88304	0.18182	34	0.45	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0520	7.5200	0.20000	7.0111	0.88304	0.18182	34	0.58	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0541	7.5500	0.14000	7.0111	0.88304	0.18182	34	0.61	4%	0



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011.01	Loss on Drying, 135°C 2hr (%)	0242	7.7950	0.05000	7.0111	0.88304	0.18182	34	0.89	6%	0
011.01	Loss on Drying, 135°C 2hr (%)	0098	7.8000	0.00000	7.0111	0.88304	0.18182	34	0.89	6%	0
011.01	Loss on Drying, 135°C 2hr (%)	0589	7.8000	0.08000	7.0111	0.88304	0.18182	34	0.89	6%	0
011.01	Loss on Drying, 135°C 2hr (%)	0511	7.8300	0.10000	7.0111	0.88304	0.18182	34	0.93	6%	0
011.01	Loss on Drying, 135°C 2hr (%)	0958	8.0050	0.33000	7.0111	0.88304	0.18182	34	1.13	7%	0
011.01	Loss on Drying, 135°C 2hr (%)	0205	8.0510	0.09800	7.0111	0.88304	0.18182	34	1.18	7%	0
011.01	Loss on Drying, 135°C 2hr (%)	0407	8.2050	0.43000	7.0111	0.88304	0.18182	34	1.35	9%	0
011.01	Loss on Drying, 135°C 2hr (%)	0309	8.5500	0.10000	7.0111	0.88304	0.18182	34	1.74	11%	0
011.01	Loss on Drying, 135°C 2hr (%)	0960	7.1350	1.9500	7.0111	0.88304	0.18182	34	0.14	1%	1
011.02	Loss on drying, 130°C for 2 hours (%)	0942	5.2150	0.75000	6.2650	1.4849	0.39000	2	-0.71	8%	0
011.02	Loss on drying, 130°C for 2 hours (%)	2023	7.3150	0.03000	6.2650	1.4849	0.39000	2	0.71	8%	0
011.03	Loss on Drying, 130°C for 1 hour, flour (%)	2076	4.1500	0.90000			0.90000	1			
011.99	Loss on Drying, High Temp. Methods Miscellaneous	0541	5.4000	0.46000	6.7425	1.8986	0.27500	2	-0.71	10%	0
011.99	Loss on Drying, High Temp. Methods Miscellaneous	0852	8.0850	0.09000	6.7425	1.8986	0.27500	2	0.71	10%	0
012.00	Starch, Polarimetric (Ewers) (%)	2023	0.40000	0.00000	0.76125	0.34109	0.04750	4	-1.06	24%	0
012.00	Starch, Polarimetric (Ewers) (%)	0920	0.54500	0.19000	0.76125	0.34109	0.04750	4	-0.63	14%	0
012.00	Starch, Polarimetric (Ewers) (%)	0682	1.0000	0.00000	0.76125	0.34109	0.04750	4	0.70	16%	0
012.00	Starch, Polarimetric (Ewers) (%)	0673	1.1000	0.00000	0.76125	0.34109	0.04750	4	0.99	22%	0
012.01	Starch, Megazyme (%)	0956	0.85000	0.30000	1.2795	0.50604	0.10033	4	-0.85	17%	0
012.01	Starch, Megazyme (%)	0870	1.0285	0.01030	1.2795	0.50604	0.10033	4	-0.50	10%	0
012.01	Starch, Megazyme (%)	0918	1.2395	0.09100	1.2795	0.50604	0.10033	4	-0.08	2%	0
012.01	Starch, Megazyme (%)	0265	2.0000	0.00000	1.2795	0.50604	0.10033	4	1.42	28%	0
012.03	Starch, Enzymatic (%)	0297	1.2050	0.01000	2.1700	1.3647	0.03000	2	-0.71	22%	0
012.03	Starch, Enzymatic (%)	0407	3.1350	0.05000	2.1700	1.3647	0.03000	2	0.71	22%	0
012.04	Starch, YSI Analyzer (%)	0278	1.1000	0.00000			0.00000	1			
013.00	Fat, Acid hydrolysis (%)	2004	2.6000	0.00000	3.3111	0.63182	0.05143	7	-1.13	11%	0
013.00	Fat, Acid hydrolysis (%)	0297	2.9300	0.06000	3.3111	0.63182	0.05143	7	-0.60	6%	0
013.00	Fat, Acid hydrolysis (%)	0242	3.0250	0.03000	3.3111	0.63182	0.05143	7	-0.45	4%	0
013.00	Fat, Acid hydrolysis (%)	0695	3.0400	0.12000	3.3111	0.63182	0.05143	7	-0.43	4%	0
013.00	Fat, Acid hydrolysis (%)	2023	3.5450	0.13000	3.3111	0.63182	0.05143	7	0.37	4%	0
013.00	Fat, Acid hydrolysis (%)	2076	4.1900	0.02000	3.3111	0.63182	0.05143	7	1.39	13%	0
013.00	Fat, Acid hydrolysis (%)	0309	4.7000	0.00000	3.3111	0.63182	0.05143	7	2.20	21%	0
013.00	Fat, Acid hydrolysis (%)	0555	3.7000	0.40000	3.3111	0.63182	0.05143	7	0.62	6%	1
013.02	Fat, Mojonnier, Bak Ext (%)	0843	2.4700	0.02000	3.3960	0.44992	0.16952	11	-2.06	14%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0164	3.0950	0.05000	3.3960	0.44992	0.16952	11	-0.67	4%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0870	3.0996	0.16470	3.3960	0.44992	0.16952	11	-0.66	4%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0337	3.1500	0.30000	3.3960	0.44992	0.16952	11	-0.55	4%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0853	3.1800	0.08000	3.3960	0.44992	0.16952	11	-0.48	3%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0960	3.2750	0.17000	3.3960	0.44992	0.16952	11	-0.27	2%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0959	3.5900	0.18000	3.3960	0.44992	0.16952	11	0.43	3%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0958	3.6200	0.28000	3.3960	0.44992	0.16952	11	0.50	3%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0650	3.7100	0.12000	3.3960	0.44992	0.16952	11	0.70	5%	0

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013.02	Fat, Mojonnier, Bak Ext (%)	0208	3.9400	0.50000	3.3960	0.44992	0.16952	11	1.21	8%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0682	4.3000	0.00000	3.3960	0.44992	0.16952	11	2.01	13%	0
013.10	Fat, Soxtec-Acid Hydrolysis (%)	2006	2.1550	0.09000	2.7025	0.77428	0.09500	2	-0.71	10%	0
013.10	Fat, Soxtec-Acid Hydrolysis (%)	0673	3.2500	0.10000	2.7025	0.77428	0.09500	2	0.71	10%	0
013.13	Fat, Ankom- Acid Hydrolysis (%)	0265	2.9500	0.10000			0.10000	1			
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0011	2,669.6	89.935	3,563.0	340.88	186.58	6	-2.62	13%	0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0049	3,279.7	212.62	3,563.0	340.88	186.58	6	-0.83	4%	0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0164	3,505.0	550.00	3,563.0	340.88	186.58	6	-0.17	1%	0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0520	3,753.5	207.00	3,563.0	340.88	186.58	6	0.56	3%	0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0171	3,790.0	0.00000	3,563.0	340.88	186.58	6	0.67	3%	0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0964	3,897.3	59.900	3,563.0	340.88	186.58	6	0.98	5%	0
015.42	Aluminum, ICP, Open vessel (mg / kg (ppm))	0560	4,193.1	159.00			159.00	1			
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0510	3,275.0	30.000	3,687.4	294.73	88.638	6	-1.40	6%	0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0168	3,410.5	95.000	3,687.4	294.73	88.638	6	-0.94	4%	0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0918	3,633.8	199.83	3,687.4	294.73	88.638	6	-0.18	1%	0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0345	3,867.5	15.000	3,687.4	294.73	88.638	6	0.61	2%	0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0629	3,900.0	80.000	3,687.4	294.73	88.638	6	0.72	3%	0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0297	3,955.0	112.00	3,687.4	294.73	88.638	6	0.91	4%	0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0169	5,295.0	550.00	3,687.4	294.73	88.638	6	5.45	22%	1
015.53	Aluminum, ICP-MS, Microwave (mg / kg (ppm))	0553	4,010.0	80.000			80.000	1			
017.41	Boron, ICP, Dry ash (mg / kg (ppm))	0358	14.895	0.91000	21.571	6.0550	0.68267	3	-1.10	15%	0
017.41	Boron, ICP, Dry ash (mg / kg (ppm))	0049	23.110	0.34000	21.571	6.0550	0.68267	3	0.25	4%	0
017.41	Boron, ICP, Dry ash (mg / kg (ppm))	0011	26.708	0.79800	21.571	6.0550	0.68267	3	0.85	12%	0
017.42	Boron, ICP, Open vessel (mg / kg (ppm))	0693	19.280	1.8800	36.320	24.098	1.0000	2	-0.71	23%	0
017.42	Boron, ICP, Open vessel (mg / kg (ppm))	0294	53.360	0.12000	36.320	24.098	1.0000	2	0.71	23%	0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0297	0.00000	0.00000	27.743	16.529	1.2433	6	-1.68	50%	0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0345	20.050	0.10000	27.743	16.529	1.2433	6	-0.47	14%	0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0168	27.385	2.9500	27.743	16.529	1.2433	6	-0.02	1%	0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0918	28.235	2.2100	27.743	16.529	1.2433	6	0.03	1%	0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0510	40.750	0.50000	27.743	16.529	1.2433	6	0.79	23%	0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0037	45.250	1.7000	27.743	16.529	1.2433	6	1.06	32%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0683	13.365	0.01000	13.581	0.21504	0.08469	13	-1.00	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0623	13.368	0.00600	13.581	0.21504	0.08469	13	-0.99	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0622	13.383	0.24580	13.581	0.21504	0.08469	13	-0.92	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0620	13.402	0.25630	13.581	0.21504	0.08469	13	-0.83	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0895	13.475	0.05000	13.581	0.21504	0.08469	13	-0.49	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0651	13.512	0.11100	13.581	0.21504	0.08469	13	-0.32	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0903	13.545	0.01000	13.581	0.21504	0.08469	13	-0.17	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0722	13.590	0.00120	13.581	0.21504	0.08469	13	0.04	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0897	13.650	0.10000	13.581	0.21504	0.08469	13	0.32	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0891	13.677	0.00070	13.581	0.21504	0.08469	13	0.45	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0337	13.875	0.23000	13.581	0.21504	0.08469	13	1.37	1%	0

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019.00	Calcium, Ox-Mn04 Vol. (%)	0893	13.885	0.03000	13.581	0.21504	0.08469	13	1.41	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0937	14.275	0.05000	13.581	0.21504	0.08469	13	3.23	3%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	2006	19.339	0.59900	13.581	0.21504	0.08469	13	26.77	21%	2
019.03	Calcium, Semiauto (Autoanalyzer) (%)	0036	14.186	0.08890			0.08890	1			
019.08	Calcium, EDTA (%)	0689	12.960	0.00000	13.821	0.48320	0.07562	9	-1.78	3%	0
019.08	Calcium, EDTA (%)	0940	13.050	0.00000	13.821	0.48320	0.07562	9	-1.60	3%	0
019.08	Calcium, EDTA (%)	0849	13.568	0.04500	13.821	0.48320	0.07562	9	-0.53	1%	0
019.08	Calcium, EDTA (%)	2042	13.820	0.00000	13.821	0.48320	0.07562	9	0.00	0%	0
019.08	Calcium, EDTA (%)	0590	13.830	0.16000	13.821	0.48320	0.07562	9	0.02	0%	0
019.08	Calcium, EDTA (%)	0673	13.900	0.20000	13.821	0.48320	0.07562	9	0.16	0%	0
019.08	Calcium, EDTA (%)	2009	13.954	0.04560	13.821	0.48320	0.07562	9	0.27	0%	0
019.08	Calcium, EDTA (%)	2063	14.965	0.03000	13.821	0.48320	0.07562	9	2.37	4%	0
019.08	Calcium, EDTA (%)	0852	15.100	0.20000	13.821	0.48320	0.07562	9	2.65	5%	0
019.08	Calcium, EDTA (%)	0138	16.182	0.74700	13.821	0.48320	0.07562	9	4.88	9%	1
019.09	Calcium, Ion-selective electrode (%)	2006	13.510	0.57300			0.57300	1			
019.31	Calcium, AAS, Dry ash (%)	0946	10.656	0.15050	13.635	0.59419	0.26004	23	-5.01	11%	0
019.31	Calcium, AAS, Dry ash (%)	0921	10.695	0.00000	13.635	0.59419	0.26004	23	-4.95	11%	0
019.31	Calcium, AAS, Dry ash (%)	0904	12.615	0.33000	13.635	0.59419	0.26004	23	-1.72	4%	0
019.31	Calcium, AAS, Dry ash (%)	0596	13.065	0.53000	13.635	0.59419	0.26004	23	-0.96	2%	0
019.31	Calcium, AAS, Dry ash (%)	0152	13.150	0.10000	13.635	0.59419	0.26004	23	-0.82	2%	0
019.31	Calcium, AAS, Dry ash (%)	0948	13.275	0.19000	13.635	0.59419	0.26004	23	-0.61	1%	0
019.31	Calcium, AAS, Dry ash (%)	0354	13.280	0.06000	13.635	0.59419	0.26004	23	-0.60	1%	0
019.31	Calcium, AAS, Dry ash (%)	0505	13.400	0.20000	13.635	0.59419	0.26004	23	-0.39	1%	0
019.31	Calcium, AAS, Dry ash (%)	0638	13.440	0.12000	13.635	0.59419	0.26004	23	-0.33	1%	0
019.31	Calcium, AAS, Dry ash (%)	0001	13.460	0.56000	13.635	0.59419	0.26004	23	-0.29	1%	0
019.31	Calcium, AAS, Dry ash (%)	0014	13.550	0.50000	13.635	0.59419	0.26004	23	-0.14	0%	0
019.31	Calcium, AAS, Dry ash (%)	0175	13.650	0.10000	13.635	0.59419	0.26004	23	0.03	0%	0
019.31	Calcium, AAS, Dry ash (%)	0723	13.674	0.00000	13.635	0.59419	0.26004	23	0.07	0%	0
019.31	Calcium, AAS, Dry ash (%)	2022	13.735	0.03000	13.635	0.59419	0.26004	23	0.17	0%	0
019.31	Calcium, AAS, Dry ash (%)	0178	13.770	0.18000	13.635	0.59419	0.26004	23	0.23	0%	0
019.31	Calcium, AAS, Dry ash (%)	2067	13.867	0.04450	13.635	0.59419	0.26004	23	0.39	1%	0
019.31	Calcium, AAS, Dry ash (%)	0687	13.900	0.20000	13.635	0.59419	0.26004	23	0.45	1%	0
019.31	Calcium, AAS, Dry ash (%)	0208	14.013	0.51200	13.635	0.59419	0.26004	23	0.64	1%	0
019.31	Calcium, AAS, Dry ash (%)	0939	14.130	0.24000	13.635	0.59419	0.26004	23	0.83	2%	0
019.31	Calcium, AAS, Dry ash (%)	0038	14.350	0.08000	13.635	0.59419	0.26004	23	1.20	3%	0
019.31	Calcium, AAS, Dry ash (%)	0066	14.458	0.47500	13.635	0.59419	0.26004	23	1.39	3%	0
019.31	Calcium, AAS, Dry ash (%)	0650	15.125	0.05000	13.635	0.59419	0.26004	23	2.51	5%	0
019.31	Calcium, AAS, Dry ash (%)	0951	16.091	1.3290	13.635	0.59419	0.26004	23	4.13	9%	0
019.31	Calcium, AAS, Dry ash (%)	0108	12.440	1.4200	13.635	0.59419	0.26004	23	-2.01	4%	1
019.32	Calcium, AAS, Open vessel (%)	0169	14.000	0.06000	14.617	0.57204	0.21333	3	-1.08	2%	0
019.32	Calcium, AAS, Open vessel (%)	0612	14.720	0.26000	14.617	0.57204	0.21333	3	0.18	0%	0
019.32	Calcium, AAS, Open vessel (%)	0609	15.130	0.32000	14.617	0.57204	0.21333	3	0.90	2%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
019.33	Calcium, AAS, Microwave (%)	0010	13.870	0.90000			0.90000	1			
019.41	Calcium, ICP, Dry ash (%)	0144	7.6500	0.06000	13.782	0.50927	0.30540	31	-12.04	22%	0
019.41	Calcium, ICP, Dry ash (%)	0598	11.695	0.01000	13.782	0.50927	0.30540	31	-4.10	8%	0
019.41	Calcium, ICP, Dry ash (%)	0720	12.055	0.11000	13.782	0.50927	0.30540	31	-3.39	6%	0
019.41	Calcium, ICP, Dry ash (%)	0358	12.510	0.46000	13.782	0.50927	0.30540	31	-2.50	5%	0
019.41	Calcium, ICP, Dry ash (%)	0619	12.850	0.10000	13.782	0.50927	0.30540	31	-1.83	3%	0
019.41	Calcium, ICP, Dry ash (%)	0011	13.174	0.16570	13.782	0.50927	0.30540	31	-1.19	2%	0
019.41	Calcium, ICP, Dry ash (%)	0148	13.315	0.01000	13.782	0.50927	0.30540	31	-0.92	2%	0
019.41	Calcium, ICP, Dry ash (%)	0407	13.560	0.42000	13.782	0.50927	0.30540	31	-0.44	1%	0
019.41	Calcium, ICP, Dry ash (%)	0512	13.595	0.49000	13.782	0.50927	0.30540	31	-0.37	1%	0
019.41	Calcium, ICP, Dry ash (%)	0511	13.615	0.19000	13.782	0.50927	0.30540	31	-0.33	1%	0
019.41	Calcium, ICP, Dry ash (%)	0413	13.650	0.50000	13.782	0.50927	0.30540	31	-0.26	0%	0
019.41	Calcium, ICP, Dry ash (%)	0164	13.665	0.01000	13.782	0.50927	0.30540	31	-0.23	0%	0
019.41	Calcium, ICP, Dry ash (%)	0171	13.700	0.00000	13.782	0.50927	0.30540	31	-0.16	0%	0
019.41	Calcium, ICP, Dry ash (%)	0878	13.700	0.20000	13.782	0.50927	0.30540	31	-0.16	0%	0
019.41	Calcium, ICP, Dry ash (%)	0074	13.710	0.30000	13.782	0.50927	0.30540	31	-0.14	0%	0
019.41	Calcium, ICP, Dry ash (%)	0229	13.765	0.03000	13.782	0.50927	0.30540	31	-0.03	0%	0
019.41	Calcium, ICP, Dry ash (%)	0004	13.835	0.13000	13.782	0.50927	0.30540	31	0.10	0%	0
019.41	Calcium, ICP, Dry ash (%)	0553	13.850	0.50000	13.782	0.50927	0.30540	31	0.13	0%	0
019.41	Calcium, ICP, Dry ash (%)	0695	13.855	0.09000	13.782	0.50927	0.30540	31	0.14	0%	0
019.41	Calcium, ICP, Dry ash (%)	0049	13.900	0.50000	13.782	0.50927	0.30540	31	0.23	0%	0
019.41	Calcium, ICP, Dry ash (%)	0610	13.900	0.70000	13.782	0.50927	0.30540	31	0.23	0%	0
019.41	Calcium, ICP, Dry ash (%)	0300	13.994	1.1140	13.782	0.50927	0.30540	31	0.42	1%	0
019.41	Calcium, ICP, Dry ash (%)	0083	14.065	0.25000	13.782	0.50927	0.30540	31	0.56	1%	0
019.41	Calcium, ICP, Dry ash (%)	0208	14.135	0.21000	13.782	0.50927	0.30540	31	0.69	1%	0
019.41	Calcium, ICP, Dry ash (%)	0964	14.211	0.52780	13.782	0.50927	0.30540	31	0.84	2%	0
019.41	Calcium, ICP, Dry ash (%)	0685	14.390	0.24000	13.782	0.50927	0.30540	31	1.19	2%	0
019.41	Calcium, ICP, Dry ash (%)	0226	14.450	0.90000	13.782	0.50927	0.30540	31	1.31	2%	0
019.41	Calcium, ICP, Dry ash (%)	0520	14.535	0.79000	13.782	0.50927	0.30540	31	1.48	3%	0
019.41	Calcium, ICP, Dry ash (%)	0848	14.990	0.06000	13.782	0.50927	0.30540	31	2.37	4%	0
019.41	Calcium, ICP, Dry ash (%)	0682	15.040	0.00000	13.782	0.50927	0.30540	31	2.47	5%	0
019.41	Calcium, ICP, Dry ash (%)	2023	15.200	0.40000	13.782	0.50927	0.30540	31	2.78	5%	0
019.41	Calcium, ICP, Dry ash (%)	0019	13.505	1.4100	13.782	0.50927	0.30540	31	-0.54	1%	1
019.42	Calcium, ICP, Open vessel (%)	0870	11.505	0.45000	13.847	1.0856	0.33454	18	-2.16	8%	0
019.42	Calcium, ICP, Open vessel (%)	0042	11.800	0.40000	13.847	1.0856	0.33454	18	-1.89	7%	0
019.42	Calcium, ICP, Open vessel (%)	0035	12.675	0.23000	13.847	1.0856	0.33454	18	-1.08	4%	0
019.42	Calcium, ICP, Open vessel (%)	2012	12.935	0.15000	13.847	1.0856	0.33454	18	-0.84	3%	0
019.42	Calcium, ICP, Open vessel (%)	0693	13.200	0.92000	13.847	1.0856	0.33454	18	-0.60	2%	0
019.42	Calcium, ICP, Open vessel (%)	0357	13.255	0.27000	13.847	1.0856	0.33454	18	-0.55	2%	0
019.42	Calcium, ICP, Open vessel (%)	0278	13.275	0.67000	13.847	1.0856	0.33454	18	-0.53	2%	0
019.42	Calcium, ICP, Open vessel (%)	0205	13.300	0.20000	13.847	1.0856	0.33454	18	-0.50	2%	0
019.42	Calcium, ICP, Open vessel (%)	0186	13.910	0.02000	13.847	1.0856	0.33454	18	0.06	0%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
019.42	Calcium, ICP, Open vessel (%)	0187	14.150	0.10000	13.847	1.0856	0.33454	18	0.28	1%	0
019.42	Calcium, ICP, Open vessel (%)	0045	14.350	0.30000	13.847	1.0856	0.33454	18	0.46	2%	0
019.42	Calcium, ICP, Open vessel (%)	0692	14.400	0.20000	13.847	1.0856	0.33454	18	0.51	2%	0
019.42	Calcium, ICP, Open vessel (%)	0294	14.520	0.04000	13.847	1.0856	0.33454	18	0.62	2%	0
019.42	Calcium, ICP, Open vessel (%)	0555	14.650	0.70000	13.847	1.0856	0.33454	18	0.74	3%	0
019.42	Calcium, ICP, Open vessel (%)	0726	14.810	0.04000	13.847	1.0856	0.33454	18	0.89	3%	0
019.42	Calcium, ICP, Open vessel (%)	0190	14.965	0.11000	13.847	1.0856	0.33454	18	1.03	4%	0
019.42	Calcium, ICP, Open vessel (%)	0560	15.099	1.0218	13.847	1.0856	0.33454	18	1.15	5%	0
019.42	Calcium, ICP, Open vessel (%)	0265	15.150	0.20000	13.847	1.0856	0.33454	18	1.20	5%	0
019.43	Calcium, ICP, Microwave (%)	0028	12.300	0.08000	13.540	0.50143	0.27818	22	-2.47	5%	0
019.43	Calcium, ICP, Microwave (%)	0968	12.378	0.00500	13.540	0.50143	0.27818	22	-2.32	4%	0
019.43	Calcium, ICP, Microwave (%)	0510	12.410	0.22000	13.540	0.50143	0.27818	22	-2.25	4%	0
019.43	Calcium, ICP, Microwave (%)	0918	12.531	0.45400	13.540	0.50143	0.27818	22	-2.01	4%	0
019.43	Calcium, ICP, Microwave (%)	0033	13.100	0.20000	13.540	0.50143	0.27818	22	-0.88	2%	0
019.43	Calcium, ICP, Microwave (%)	0168	13.265	0.05000	13.540	0.50143	0.27818	22	-0.55	1%	0
019.43	Calcium, ICP, Microwave (%)	0036	13.290	0.67980	13.540	0.50143	0.27818	22	-0.50	1%	0
019.43	Calcium, ICP, Microwave (%)	0037	13.365	0.07000	13.540	0.50143	0.27818	22	-0.35	1%	0
019.43	Calcium, ICP, Microwave (%)	0008	13.372	0.87100	13.540	0.50143	0.27818	22	-0.34	1%	0
019.43	Calcium, ICP, Microwave (%)	0629	13.500	0.00000	13.540	0.50143	0.27818	22	-0.08	0%	0
019.43	Calcium, ICP, Microwave (%)	0098	13.520	0.10000	13.540	0.50143	0.27818	22	-0.04	0%	0
019.43	Calcium, ICP, Microwave (%)	0668	13.550	1.1000	13.540	0.50143	0.27818	22	0.02	0%	0
019.43	Calcium, ICP, Microwave (%)	0006	13.630	0.06000	13.540	0.50143	0.27818	22	0.18	0%	0
019.43	Calcium, ICP, Microwave (%)	0027	13.650	0.32000	13.540	0.50143	0.27818	22	0.22	0%	0
019.43	Calcium, ICP, Microwave (%)	0345	13.715	0.11000	13.540	0.50143	0.27818	22	0.35	1%	0
019.43	Calcium, ICP, Microwave (%)	0018	13.775	0.53000	13.540	0.50143	0.27818	22	0.47	1%	0
019.43	Calcium, ICP, Microwave (%)	0964	13.841	0.72020	13.540	0.50143	0.27818	22	0.60	1%	0
019.43	Calcium, ICP, Microwave (%)	0297	14.020	0.30000	13.540	0.50143	0.27818	22	0.96	2%	0
019.43	Calcium, ICP, Microwave (%)	0675	14.750	0.02000	13.540	0.50143	0.27818	22	2.41	4%	0
019.43	Calcium, ICP, Microwave (%)	0038	14.920	0.02000	13.540	0.50143	0.27818	22	2.75	5%	0
019.43	Calcium, ICP, Microwave (%)	0425	14.985	0.15000	13.540	0.50143	0.27818	22	2.88	5%	0
019.43	Calcium, ICP, Microwave (%)	0353	15.740	0.06000	13.540	0.50143	0.27818	22	4.39	8%	0
019.44	Calcium, ICP, Dry ash (%)	2004	13.500	0.40000			0.40000	1			
019.52	Calcium, ICP-MS, Open vessel (%)	0047	14.960	0.18000			0.18000	1			
019.53	Calcium, ICP-MS, Microwave (%)	0572	13.765	0.11000			0.11000	1			
019.99	Calcium, Miscellaneous (%)	0889	11.275	0.31000	13.452	0.61070	0.18383	6	-3.56	8%	0
019.99	Calcium, Miscellaneous (%)	0852	13.000	0.00000	13.452	0.61070	0.18383	6	-0.74	2%	0
019.99	Calcium, Miscellaneous (%)	0676	13.500	0.08000	13.452	0.61070	0.18383	6	0.08	0%	0
019.99	Calcium, Miscellaneous (%)	2006	13.510	0.57300	13.452	0.61070	0.18383	6	0.09	0%	0
019.99	Calcium, Miscellaneous (%)	0242	13.690	0.14000	13.452	0.61070	0.18383	6	0.39	1%	0
019.99	Calcium, Miscellaneous (%)	0100	14.720	0.00000	13.452	0.61070	0.18383	6	2.08	5%	0
021.00	Cobalt, Color (mg / kg (ppm))	0693	25.990	0.24000			0.24000	1			
021.31	Cobalt, AAS, Dry ash (mg / kg (ppm))	2042	29.080	0.00000	35.407	2.5885	0.96271	7	-2.44	9%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
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021.31	Cobalt, AAS, Dry ash (mg / kg (ppm))	0939	33.770	0.44000	35.407	2.5885	0.96271	7	-0.63	2%	0
021.31	Cobalt, AAS, Dry ash (mg / kg (ppm))	0164	35.000	2.0000	35.407	2.5885	0.96271	7	-0.16	1%	0
021.31	Cobalt, AAS, Dry ash (mg / kg (ppm))	0904	35.255	0.47000	35.407	2.5885	0.96271	7	-0.06	0%	0
021.31	Cobalt, AAS, Dry ash (mg / kg (ppm))	0689	35.350	2.1000	35.407	2.5885	0.96271	7	-0.02	0%	0
021.31	Cobalt, AAS, Dry ash (mg / kg (ppm))	0208	37.961	1.2290	35.407	2.5885	0.96271	7	0.99	4%	0
021.31	Cobalt, AAS, Dry ash (mg / kg (ppm))	2022	41.750	0.50000	35.407	2.5885	0.96271	7	2.45	9%	0
021.31	Cobalt, AAS, Dry ash (mg / kg (ppm))	0596	78.625	17.390	35.407	2.5885	0.96271	7	16.70	61%	1
021.32	Cobalt, AAS, Open vessel (mg / kg (ppm))	0612	45.500	3.0000			3.0000	1			
021.41	Cobalt, ICP, Dry ash (mg / kg (ppm))	0619	19.300	0.40000	58.717	67.475	1.3903	5	-0.58	34%	0
021.41	Cobalt, ICP, Dry ash (mg / kg (ppm))	0011	29.786	0.47050	58.717	67.475	1.3903	5	-0.43	25%	0
021.41	Cobalt, ICP, Dry ash (mg / kg (ppm))	0610	31.310	0.00000	58.717	67.475	1.3903	5	-0.41	23%	0
021.41	Cobalt, ICP, Dry ash (mg / kg (ppm))	0964	34.190	0.08100	58.717	67.475	1.3903	5	-0.36	21%	0
021.41	Cobalt, ICP, Dry ash (mg / kg (ppm))	0171	179.00	6.0000	58.717	67.475	1.3903	5	1.78	102%	0
021.42	Cobalt, ICP, Open vessel (mg / kg (ppm))	0190	27.470	0.18000	32.010	6.4205	1.5400	2	-0.71	7%	0
021.42	Cobalt, ICP, Open vessel (mg / kg (ppm))	0560	36.550	2.9000	32.010	6.4205	1.5400	2	0.71	7%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0036	25.600	0.60000	31.578	2.5574	0.57286	7	-2.34	9%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0169	30.050	0.70000	31.578	2.5574	0.57286	7	-0.60	2%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0510	30.815	0.73000	31.578	2.5574	0.57286	7	-0.30	1%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0345	31.500	0.08000	31.578	2.5574	0.57286	7	-0.03	0%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0629	31.500	0.00000	31.578	2.5574	0.57286	7	-0.03	0%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0027	34.210	1.9000	31.578	2.5574	0.57286	7	1.03	4%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0038	34.700	0.00000	31.578	2.5574	0.57286	7	1.22	5%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0964	32.352	4.3820	31.578	2.5574	0.57286	7	0.30	1%	1
021.52	Cobalt, ICP-MS, Open vessel (mg / kg (ppm))	0910	31.660	0.20000	33.903	2.1737	0.96667	3	-1.03	3%	0
021.52	Cobalt, ICP-MS, Open vessel (mg / kg (ppm))	0047	34.050	0.70000	33.903	2.1737	0.96667	3	0.07	0%	0
021.52	Cobalt, ICP-MS, Open vessel (mg / kg (ppm))	0555	36.000	2.0000	33.903	2.1737	0.96667	3	0.96	3%	0
021.53	Cobalt, ICP-MS, Microwave (mg / kg (ppm))	0098	30.230	0.30000	33.401	3.1745	2.0395	4	-1.00	5%	0
021.53	Cobalt, ICP-MS, Microwave (mg / kg (ppm))	0918	31.275	1.4581	33.401	3.1745	2.0395	4	-0.67	3%	0
021.53	Cobalt, ICP-MS, Microwave (mg / kg (ppm))	0033	35.150	3.1000	33.401	3.1745	2.0395	4	0.55	3%	0
021.53	Cobalt, ICP-MS, Microwave (mg / kg (ppm))	0553	36.950	3.3000	33.401	3.1745	2.0395	4	1.12	5%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0673	0.11000	0.00000	1,098.8	115.58	22.659	20	-9.51	50%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0590	0.13000	0.00000	1,098.8	115.58	22.659	20	-9.51	50%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0904	787.50	17.400	1,098.8	115.58	22.659	20	-2.69	14%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0354	946.37	4.0100	1,098.8	115.58	22.659	20	-1.32	7%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0946	954.29	54.810	1,098.8	115.58	22.659	20	-1.25	7%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0066	973.49	48.620	1,098.8	115.58	22.659	20	-1.08	6%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0178	1,050.0	38.000	1,098.8	115.58	22.659	20	-0.42	2%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0951	1,075.9	5.0000	1,098.8	115.58	22.659	20	-0.20	1%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0175	1,100.0	0.00000	1,098.8	115.58	22.659	20	0.01	0%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	2022	1,101.0	12.000	1,098.8	115.58	22.659	20	0.02	0%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0014	1,135.0	28.000	1,098.8	115.58	22.659	20	0.31	2%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0596	1,140.1	51.540	1,098.8	115.58	22.659	20	0.36	2%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
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022.31	Copper, AAS, Dry ash (mg / kg (ppm))	2067	1,142.3	76.516	1,098.8	115.58	22.659	20	0.38	2%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0505	1,157.5	25.000	1,098.8	115.58	22.659	20	0.51	3%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0208	1,160.0	20.000	1,098.8	115.58	22.659	20	0.53	3%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0939	1,181.1	0.28000	1,098.8	115.58	22.659	20	0.71	4%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0689	1,185.0	70.000	1,098.8	115.58	22.659	20	0.75	4%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	2042	1,204.0	2.0000	1,098.8	115.58	22.659	20	0.91	5%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0638	1,263.0	0.00000	1,098.8	115.58	22.659	20	1.42	7%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0723	1,335.6	0.00000	1,098.8	115.58	22.659	20	2.05	11%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0001	1,150.0	202.00	1,098.8	115.58	22.659	20	0.44	2%	1
022.32	Copper, AAS, Open vessel (mg / kg (ppm))	0609	1,037.5	25.000	1,159.0	94.253	28.000	4	-1.29	5%	0
022.32	Copper, AAS, Open vessel (mg / kg (ppm))	0010	1,139.5	35.000	1,159.0	94.253	28.000	4	-0.21	1%	0
022.32	Copper, AAS, Open vessel (mg / kg (ppm))	0038	1,201.5	7.0000	1,159.0	94.253	28.000	4	0.45	2%	0
022.32	Copper, AAS, Open vessel (mg / kg (ppm))	0612	1,257.5	45.000	1,159.0	94.253	28.000	4	1.05	4%	0
022.33	Copper, AAS, Microwave (mg / kg (ppm))	0948	1,157.7	4.1300	1,288.3	184.76	6.2750	2	-0.71	5%	0
022.33	Copper, AAS, Microwave (mg / kg (ppm))	2018	1,419.0	8.4200	1,288.3	184.76	6.2750	2	0.71	5%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0011	977.00	0.00000	1,145.2	67.843	33.518	28	-2.48	7%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0049	1,056.8	46.140	1,145.2	67.843	33.518	28	-1.30	4%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0300	1,057.5	40.102	1,145.2	67.843	33.518	28	-1.29	4%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0171	1,060.0	20.000	1,145.2	67.843	33.518	28	-1.26	4%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0720	1,062.6	22.302	1,145.2	67.843	33.518	28	-1.22	4%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0910	1,063.0	118.00	1,145.2	67.843	33.518	28	-1.21	4%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0004	1,091.0	146.00	1,145.2	67.843	33.518	28	-0.80	2%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0598	1,107.5	15.000	1,145.2	67.843	33.518	28	-0.56	2%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0511	1,115.0	100.00	1,145.2	67.843	33.518	28	-0.45	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0148	1,119.0	10.000	1,145.2	67.843	33.518	28	-0.39	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0964	1,125.7	3.9000	1,145.2	67.843	33.518	28	-0.29	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0074	1,134.5	3.0000	1,145.2	67.843	33.518	28	-0.16	0%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0553	1,145.0	10.000	1,145.2	67.843	33.518	28	0.00	0%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0358	1,149.4	74.320	1,145.2	67.843	33.518	28	0.06	0%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0520	1,150.0	56.000	1,145.2	67.843	33.518	28	0.07	0%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0083	1,158.0	24.000	1,145.2	67.843	33.518	28	0.19	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0512	1,166.5	25.000	1,145.2	67.843	33.518	28	0.31	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0208	1,177.5	31.000	1,145.2	67.843	33.518	28	0.48	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0848	1,179.5	0.07000	1,145.2	67.843	33.518	28	0.50	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0610	1,185.0	14.000	1,145.2	67.843	33.518	28	0.59	2%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0164	1,190.0	20.000	1,145.2	67.843	33.518	28	0.66	2%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0619	1,194.5	9.0000	1,145.2	67.843	33.518	28	0.73	2%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0878	1,200.0	0.00000	1,145.2	67.843	33.518	28	0.81	2%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0229	1,205.5	5.0000	1,145.2	67.843	33.518	28	0.89	3%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0226	1,213.0	60.000	1,145.2	67.843	33.518	28	1.00	3%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0695	1,213.7	78.660	1,145.2	67.843	33.518	28	1.01	3%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0682	1,254.0	0.00000	1,145.2	67.843	33.518	28	1.60	5%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0407	1,302.5	7.0000	1,145.2	67.843	33.518	28	2.32	7%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0019	1,153.0	208.00	1,145.2	67.843	33.518	28	0.11	0%	1
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0186	29.500	1.0000	1,152.8	94.170	16.752	17	-11.93	49%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0190	1,043.6	10.830	1,152.8	94.170	16.752	17	-1.16	5%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0042	1,049.5	13.000	1,152.8	94.170	16.752	17	-1.10	4%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0870	1,088.5	3.0000	1,152.8	94.170	16.752	17	-0.68	3%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0555	1,100.0	0.00000	1,152.8	94.170	16.752	17	-0.56	2%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	2012	1,108.4	8.8400	1,152.8	94.170	16.752	17	-0.47	2%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0357	1,127.0	14.000	1,152.8	94.170	16.752	17	-0.27	1%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0035	1,128.5	3.0000	1,152.8	94.170	16.752	17	-0.26	1%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0294	1,146.7	3.4800	1,152.8	94.170	16.752	17	-0.07	0%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0045	1,150.0	40.000	1,152.8	94.170	16.752	17	-0.03	0%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0693	1,153.0	2.0000	1,152.8	94.170	16.752	17	0.00	0%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0726	1,203.5	31.000	1,152.8	94.170	16.752	17	0.54	2%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0413	1,225.0	10.000	1,152.8	94.170	16.752	17	0.77	3%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0187	1,229.2	6.3300	1,152.8	94.170	16.752	17	0.81	3%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0560	1,306.8	63.300	1,152.8	94.170	16.752	17	1.63	7%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0692	1,355.0	10.000	1,152.8	94.170	16.752	17	2.15	9%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0278	1,370.5	65.000	1,152.8	94.170	16.752	17	2.31	9%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0265	1,053.0	134.00	1,152.8	94.170	16.752	17	-1.06	4%	1
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0668	977.50	85.000	1,150.0	74.994	35.474	21	-2.30	8%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0169	1,039.5	81.000	1,150.0	74.994	35.474	21	-1.47	5%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0918	1,045.9	22.490	1,150.0	74.994	35.474	21	-1.39	5%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0033	1,065.0	70.000	1,150.0	74.994	35.474	21	-1.13	4%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0510	1,070.0	80.000	1,150.0	74.994	35.474	21	-1.07	3%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0098	1,107.5	1.0000	1,150.0	74.994	35.474	21	-0.57	2%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0168	1,131.0	34.000	1,150.0	74.994	35.474	21	-0.25	1%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0345	1,132.0	4.0000	1,150.0	74.994	35.474	21	-0.24	1%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0008	1,135.0	10.000	1,150.0	74.994	35.474	21	-0.20	1%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0297	1,138.5	47.000	1,150.0	74.994	35.474	21	-0.15	1%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0629	1,155.0	10.000	1,150.0	74.994	35.474	21	0.07	0%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0028	1,159.0	14.000	1,150.0	74.994	35.474	21	0.12	0%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0425	1,160.0	16.000	1,150.0	74.994	35.474	21	0.13	0%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0036	1,161.0	42.500	1,150.0	74.994	35.474	21	0.15	0%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0964	1,183.3	110.00	1,150.0	74.994	35.474	21	0.44	1%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0038	1,195.0	90.000	1,150.0	74.994	35.474	21	0.60	2%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0353	1,199.5	1.0000	1,150.0	74.994	35.474	21	0.66	2%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0027	1,228.4	11.010	1,150.0	74.994	35.474	21	1.04	3%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0037	1,254.5	1.0000	1,150.0	74.994	35.474	21	1.39	5%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0968	1,279.0	8.0000	1,150.0	74.994	35.474	21	1.72	6%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0675	1,374.8	6.9600	1,150.0	74.994	35.474	21	3.00	10%	0
022.44	Copper, ICP, Dry ash (mg / kg (ppm))	2004	1,145.0	50.000			50.000	1			



Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
022.52	Copper, ICP-MS, Open vessel (mg / kg (ppm))	0555	982.50	97.000	1,091.9	154.64	87.500	2	-0.71	5%	0
022.52	Copper, ICP-MS, Open vessel (mg / kg (ppm))	0047	1,201.2	78.000	1,091.9	154.64	87.500	2	0.71	5%	0
022.53	Copper, ICP-MS, Microwave (mg / kg (ppm))	2023	1,180.0	100.00	1,182.5	3.5355	77.000	2	-0.71	0%	0
022.53	Copper, ICP-MS, Microwave (mg / kg (ppm))	0572	1,185.0	54.000	1,182.5	3.5355	77.000	2	0.71	0%	0
022.99	Copper, Miscellaneous (mg / kg (ppm))	0100	1,105.0	4.0000	1,133.8	40.659	15.500	2	-0.71	1%	0
022.99	Copper, Miscellaneous (mg / kg (ppm))	0242	1,162.5	27.000	1,133.8	40.659	15.500	2	0.71	1%	0
023.01	Fluorine, Ion-selective electrode (%)	0619	0.15750	0.00100			0.00100	1			
024.01	Iodine, Elm-Cald (mg / kg (ppm))	0208	2.2050	0.63000			0.63000	1			
024.03	Iodine, Ion-selective electrode (mg / kg (ppm))	0596	9,200.0	400.00			400.00	1			
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0673	0.70000	0.00000	6,424.5	1,182.1	80.262	20	-5.43	50%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0505	700.00	20.000	6,424.5	1,182.1	80.262	20	-4.84	45%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0921	2,368.1	0.00000	6,424.5	1,182.1	80.262	20	-3.43	32%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0175	4,950.0	100.00	6,424.5	1,182.1	80.262	20	-1.25	11%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0946	5,162.0	110.43	6,424.5	1,182.1	80.262	20	-1.07	10%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	2042	5,332.0	0.00000	6,424.5	1,182.1	80.262	20	-0.92	9%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0638	5,781.5	113.00	6,424.5	1,182.1	80.262	20	-0.54	5%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0904	6,360.0	76.060	6,424.5	1,182.1	80.262	20	-0.05	1%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0014	6,569.0	386.00	6,424.5	1,182.1	80.262	20	0.12	1%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0038	6,632.0	122.00	6,424.5	1,182.1	80.262	20	0.18	2%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0354	6,724.1	11.870	6,424.5	1,182.1	80.262	20	0.25	2%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0689	6,729.0	112.00	6,424.5	1,182.1	80.262	20	0.26	2%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	2067	6,786.7	7.4740	6,424.5	1,182.1	80.262	20	0.31	3%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0178	7,064.5	61.000	6,424.5	1,182.1	80.262	20	0.54	5%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0939	7,239.2	182.40	6,424.5	1,182.1	80.262	20	0.69	6%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0208	7,305.0	150.00	6,424.5	1,182.1	80.262	20	0.74	7%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	2022	7,365.5	25.000	6,424.5	1,182.1	80.262	20	0.80	7%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0001	7,506.5	29.000	6,424.5	1,182.1	80.262	20	0.92	8%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0066	7,768.5	99.000	6,424.5	1,182.1	80.262	20	1.14	10%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0723	8,286.4	0.00000	6,424.5	1,182.1	80.262	20	1.58	14%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0596	7,013.6	756.28	6,424.5	1,182.1	80.262	20	0.50	5%	1
025.32	Iron, AAS, Open vessel (mg / kg (ppm))	0337	625.63	22.500	5,335.4	4,239.1	152.50	3	-1.11	44%	0
025.32	Iron, AAS, Open vessel (mg / kg (ppm))	0612	6,535.5	235.00	5,335.4	4,239.1	152.50	3	0.28	11%	0
025.32	Iron, AAS, Open vessel (mg / kg (ppm))	0609	8,845.0	200.00	5,335.4	4,239.1	152.50	3	0.83	33%	0
025.33	Iron, AAS, Microwave (mg / kg (ppm))	0948	5,797.1	124.54	6,151.4	501.13	151.26	2	-0.71	3%	0
025.33	Iron, AAS, Microwave (mg / kg (ppm))	2018	6,505.8	177.97	6,151.4	501.13	151.26	2	0.71	3%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0011	5,189.3	257.50	6,834.9	675.01	178.21	29	-2.44	12%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0610	5,368.0	50.000	6,834.9	675.01	178.21	29	-2.17	11%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0358	5,371.4	137.37	6,834.9	675.01	178.21	29	-2.17	11%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0598	5,746.0	52.000	6,834.9	675.01	178.21	29	-1.61	8%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0407	6,030.5	191.00	6,834.9	675.01	178.21	29	-1.19	6%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0300	6,388.3	316.49	6,834.9	675.01	178.21	29	-0.66	3%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0878	6,400.0	200.00	6,834.9	675.01	178.21	29	-0.64	3%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0049	6,403.9	36.000	6,834.9	675.01	178.21	29	-0.64	3%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0083	6,598.0	314.00	6,834.9	675.01	178.21	29	-0.35	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0520	6,602.5	221.00	6,834.9	675.01	178.21	29	-0.34	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0695	6,739.0	23.700	6,834.9	675.01	178.21	29	-0.14	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0148	6,759.0	42.000	6,834.9	675.01	178.21	29	-0.11	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0164	6,845.0	150.00	6,834.9	675.01	178.21	29	0.02	0%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0910	6,858.5	239.00	6,834.9	675.01	178.21	29	0.04	0%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0229	6,883.0	26.000	6,834.9	675.01	178.21	29	0.07	0%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0511	6,911.5	165.00	6,834.9	675.01	178.21	29	0.11	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0074	6,938.5	3.0000	6,834.9	675.01	178.21	29	0.15	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0964	6,975.6	66.200	6,834.9	675.01	178.21	29	0.21	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0848	7,008.9	9.0700	6,834.9	675.01	178.21	29	0.26	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0226	7,043.5	207.00	6,834.9	675.01	178.21	29	0.31	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0004	7,248.5	687.00	6,834.9	675.01	178.21	29	0.61	3%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	2004	7,250.0	200.00	6,834.9	675.01	178.21	29	0.62	3%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0208	7,357.5	81.000	6,834.9	675.01	178.21	29	0.77	4%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0019	7,405.0	706.00	6,834.9	675.01	178.21	29	0.84	4%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0619	7,480.5	17.000	6,834.9	675.01	178.21	29	0.96	5%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0512	7,529.0	360.00	6,834.9	675.01	178.21	29	1.03	5%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0553	7,550.0	300.00	6,834.9	675.01	178.21	29	1.06	5%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0682	8,095.0	0.00000	6,834.9	675.01	178.21	29	1.87	9%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0720	8,740.1	110.80	6,834.9	675.01	178.21	29	2.82	14%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0171	6,180.0	1,500.0	6,834.9	675.01	178.21	29	-0.97	5%	1
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0186	1,303.0	20.000	6,289.2	749.63	155.51	17	-6.65	40%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0187	5,315.0	22.070	6,289.2	749.63	155.51	17	-1.30	8%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0693	5,498.0	406.00	6,289.2	749.63	155.51	17	-1.06	6%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0265	5,620.5	397.00	6,289.2	749.63	155.51	17	-0.89	5%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0045	5,760.0	240.00	6,289.2	749.63	155.51	17	-0.71	4%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0870	5,810.5	27.000	6,289.2	749.63	155.51	17	-0.64	4%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0294	6,086.2	50.040	6,289.2	749.63	155.51	17	-0.27	2%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0555	6,350.0	300.00	6,289.2	749.63	155.51	17	0.08	0%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	2012	6,410.5	99.930	6,289.2	749.63	155.51	17	0.16	1%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0278	6,522.0	82.000	6,289.2	749.63	155.51	17	0.31	2%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0413	6,630.0	260.00	6,289.2	749.63	155.51	17	0.45	3%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0190	6,748.7	25.330	6,289.2	749.63	155.51	17	0.61	4%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0035	6,755.5	65.000	6,289.2	749.63	155.51	17	0.62	4%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0042	6,755.5	77.000	6,289.2	749.63	155.51	17	0.62	4%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0692	7,030.0	260.00	6,289.2	749.63	155.51	17	0.99	6%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0560	7,207.6	307.30	6,289.2	749.63	155.51	17	1.23	7%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0726	7,252.5	5.0000	6,289.2	749.63	155.51	17	1.28	8%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0668	5,889.5	81.000	6,864.9	636.58	100.97	19	-1.53	7%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0169	5,990.0	0.00000	6,864.9	636.58	100.97	19	-1.37	6%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0510	6,285.0	110.00	6,864.9	636.58	100.97	19	-0.91	4%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0918	6,340.8	23.500	6,864.9	636.58	100.97	19	-0.82	4%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0037	6,365.0	96.000	6,864.9	636.58	100.97	19	-0.79	4%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0098	6,605.5	133.00	6,864.9	636.58	100.97	19	-0.41	2%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0168	6,624.0	94.000	6,864.9	636.58	100.97	19	-0.38	2%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0345	6,632.5	25.000	6,864.9	636.58	100.97	19	-0.37	2%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0008	6,760.0	260.00	6,864.9	636.58	100.97	19	-0.16	1%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0028	6,774.0	42.000	6,864.9	636.58	100.97	19	-0.14	1%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2023	6,855.0	350.00	6,864.9	636.58	100.97	19	-0.02	0%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0675	7,056.9	10.040	6,864.9	636.58	100.97	19	0.30	1%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0297	7,077.0	28.000	6,864.9	636.58	100.97	19	0.33	2%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0425	7,206.0	412.00	6,864.9	636.58	100.97	19	0.54	2%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0629	7,390.0	0.00000	6,864.9	636.58	100.97	19	0.82	4%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0036	7,444.4	23.900	6,864.9	636.58	100.97	19	0.91	4%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0968	7,647.0	32.000	6,864.9	636.58	100.97	19	1.23	6%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0353	8,053.0	18.000	6,864.9	636.58	100.97	19	1.87	9%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0038	8,320.0	180.00	6,864.9	636.58	100.97	19	2.29	11%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0964	7,208.1	706.30	6,864.9	636.58	100.97	19	0.54	2%	1
025.52	Iron, ICP-MS, Open vessel (mg / kg (ppm))	0047	3,916.0	240.00	5,060.3	1,618.2	315.50	2	-0.71	11%	0
025.52	Iron, ICP-MS, Open vessel (mg / kg (ppm))	0555	6,204.5	391.00	5,060.3	1,618.2	315.50	2	0.71	11%	0
025.99	Iron, Miscellaneous (mg / kg (ppm))	0242	6,974.0	36.000	7,160.8	264.10	31.500	2	-0.71	1%	0
025.99	Iron, Miscellaneous (mg / kg (ppm))	0100	7,347.5	27.000	7,160.8	264.10	31.500	2	0.71	1%	0
027.31	Magnesium, AAS, Dry ash (%)	0673	1.5500	0.10000	1.9541	0.09720	0.03381	19	-4.16	10%	0
027.31	Magnesium, AAS, Dry ash (%)	0354	1.7550	0.01000	1.9541	0.09720	0.03381	19	-2.05	5%	0
027.31	Magnesium, AAS, Dry ash (%)	2022	1.7910	0.00400	1.9541	0.09720	0.03381	19	-1.68	4%	0
027.31	Magnesium, AAS, Dry ash (%)	0638	1.8600	0.00000	1.9541	0.09720	0.03381	19	-0.97	2%	0
027.31	Magnesium, AAS, Dry ash (%)	0014	1.9050	0.03000	1.9541	0.09720	0.03381	19	-0.50	1%	0
027.31	Magnesium, AAS, Dry ash (%)	0066	1.9100	0.06000	1.9541	0.09720	0.03381	19	-0.45	1%	0
027.31	Magnesium, AAS, Dry ash (%)	0689	1.9150	0.01000	1.9541	0.09720	0.03381	19	-0.40	1%	0
027.31	Magnesium, AAS, Dry ash (%)	0939	1.9350	0.01000	1.9541	0.09720	0.03381	19	-0.20	0%	0
027.31	Magnesium, AAS, Dry ash (%)	0038	1.9450	0.05000	1.9541	0.09720	0.03381	19	-0.09	0%	0
027.31	Magnesium, AAS, Dry ash (%)	0590	1.9550	0.01000	1.9541	0.09720	0.03381	19	0.01	0%	0
027.31	Magnesium, AAS, Dry ash (%)	0951	1.9575	0.02500	1.9541	0.09720	0.03381	19	0.04	0%	0
027.31	Magnesium, AAS, Dry ash (%)	0175	1.9650	0.03000	1.9541	0.09720	0.03381	19	0.11	0%	0
027.31	Magnesium, AAS, Dry ash (%)	0208	2.0085	0.05500	1.9541	0.09720	0.03381	19	0.56	1%	0
027.31	Magnesium, AAS, Dry ash (%)	0596	2.0150	0.09000	1.9541	0.09720	0.03381	19	0.63	2%	0
027.31	Magnesium, AAS, Dry ash (%)	0904	2.0250	0.01000	1.9541	0.09720	0.03381	19	0.73	2%	0
027.31	Magnesium, AAS, Dry ash (%)	2067	2.0330	0.01250	1.9541	0.09720	0.03381	19	0.81	2%	0
027.31	Magnesium, AAS, Dry ash (%)	0650	2.0671	0.08010	1.9541	0.09720	0.03381	19	1.16	3%	0
027.31	Magnesium, AAS, Dry ash (%)	0178	2.0785	0.02300	1.9541	0.09720	0.03381	19	1.28	3%	0
027.31	Magnesium, AAS, Dry ash (%)	0946	2.1117	0.03270	1.9541	0.09720	0.03381	19	1.62	4%	0
027.32	Magnesium, AAS, Open vessel (%)	0169	1.9500	0.08000	2.1713	0.35441	0.09250	4	-0.62	5%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
027.32	Magnesium, AAS, Open vessel (%)	0505	1.9950	0.03000	2.1713	0.35441	0.09250	4	-0.50	4%	0
027.32	Magnesium, AAS, Open vessel (%)	0612	2.0400	0.06000	2.1713	0.35441	0.09250	4	-0.37	3%	0
027.32	Magnesium, AAS, Open vessel (%)	0609	2.7000	0.20000	2.1713	0.35441	0.09250	4	1.49	12%	0
027.33	Magnesium, AAS, Microwave (%)	0948	2.1400	0.02000			0.02000	1			
027.41	Magnesium, ICP, Dry ash (%)	0598	1.4165	0.00300	1.9503	0.13401	0.03823	29	-3.98	14%	0
027.41	Magnesium, ICP, Dry ash (%)	0011	1.7394	0.03370	1.9503	0.13401	0.03823	29	-1.57	5%	0
027.41	Magnesium, ICP, Dry ash (%)	0910	1.7950	0.11000	1.9503	0.13401	0.03823	29	-1.16	4%	0
027.41	Magnesium, ICP, Dry ash (%)	0148	1.8195	0.00700	1.9503	0.13401	0.03823	29	-0.98	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0695	1.8300	0.02000	1.9503	0.13401	0.03823	29	-0.90	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0300	1.8400	0.12600	1.9503	0.13401	0.03823	29	-0.82	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0720	1.8500	0.02000	1.9503	0.13401	0.03823	29	-0.75	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0049	1.8550	0.07000	1.9503	0.13401	0.03823	29	-0.71	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0610	1.8600	0.00000	1.9503	0.13401	0.03823	29	-0.67	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0511	1.8700	0.08000	1.9503	0.13401	0.03823	29	-0.60	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0413	1.8750	0.01000	1.9503	0.13401	0.03823	29	-0.56	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0878	1.9000	0.00000	1.9503	0.13401	0.03823	29	-0.38	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0074	1.9400	0.00000	1.9503	0.13401	0.03823	29	-0.08	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0083	1.9450	0.07000	1.9503	0.13401	0.03823	29	-0.04	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0171	1.9450	0.01000	1.9503	0.13401	0.03823	29	-0.04	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0164	1.9750	0.07000	1.9503	0.13401	0.03823	29	0.18	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0619	1.9750	0.01000	1.9503	0.13401	0.03823	29	0.18	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0358	1.9900	0.00000	1.9503	0.13401	0.03823	29	0.30	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0019	1.9950	0.03000	1.9503	0.13401	0.03823	29	0.33	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0004	2.0050	0.01000	1.9503	0.13401	0.03823	29	0.41	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0229	2.0300	0.02000	1.9503	0.13401	0.03823	29	0.59	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0520	2.0400	0.12000	1.9503	0.13401	0.03823	29	0.67	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0964	2.0479	0.00910	1.9503	0.13401	0.03823	29	0.73	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0226	2.0600	0.08000	1.9503	0.13401	0.03823	29	0.82	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0553	2.0700	0.04000	1.9503	0.13401	0.03823	29	0.89	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0208	2.0950	0.00000	1.9503	0.13401	0.03823	29	1.08	4%	0
027.41	Magnesium, ICP, Dry ash (%)	2023	2.1600	0.04000	1.9503	0.13401	0.03823	29	1.56	5%	0
027.41	Magnesium, ICP, Dry ash (%)	0407	2.2400	0.12000	1.9503	0.13401	0.03823	29	2.16	7%	0
027.41	Magnesium, ICP, Dry ash (%)	0682	2.3200	0.00000	1.9503	0.13401	0.03823	29	2.76	9%	0
027.42	Magnesium, ICP, Open vessel (%)	0693	1.6000	0.08000	1.9328	0.20748	0.05403	16	-1.60	9%	0
027.42	Magnesium, ICP, Open vessel (%)	0045	1.6550	0.01000	1.9328	0.20748	0.05403	16	-1.34	7%	0
027.42	Magnesium, ICP, Open vessel (%)	0042	1.6900	0.18000	1.9328	0.20748	0.05403	16	-1.17	6%	0
027.42	Magnesium, ICP, Open vessel (%)	0870	1.7610	0.04200	1.9328	0.20748	0.05403	16	-0.83	4%	0
027.42	Magnesium, ICP, Open vessel (%)	0294	1.8100	0.02000	1.9328	0.20748	0.05403	16	-0.59	3%	0
027.42	Magnesium, ICP, Open vessel (%)	0035	1.8840	0.00200	1.9328	0.20748	0.05403	16	-0.24	1%	0
027.42	Magnesium, ICP, Open vessel (%)	2012	1.9000	0.00000	1.9328	0.20748	0.05403	16	-0.16	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0278	1.9400	0.12000	1.9328	0.20748	0.05403	16	0.03	0%	0
027.42	Magnesium, ICP, Open vessel (%)	0357	1.9550	0.01000	1.9328	0.20748	0.05403	16	0.11	1%	0

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027.42	Magnesium, ICP, Open vessel (%)	0186	2.0200	0.04000	1.9328	0.20748	0.05403	16	0.42	2%	0
027.42	Magnesium, ICP, Open vessel (%)	0692	2.0350	0.17000	1.9328	0.20748	0.05403	16	0.49	3%	0
027.42	Magnesium, ICP, Open vessel (%)	0187	2.0550	0.03000	1.9328	0.20748	0.05403	16	0.59	3%	0
027.42	Magnesium, ICP, Open vessel (%)	0726	2.0955	0.00900	1.9328	0.20748	0.05403	16	0.78	4%	0
027.42	Magnesium, ICP, Open vessel (%)	0265	2.1200	0.06000	1.9328	0.20748	0.05403	16	0.90	5%	0
027.42	Magnesium, ICP, Open vessel (%)	0190	2.1600	0.04000	1.9328	0.20748	0.05403	16	1.09	6%	0
027.42	Magnesium, ICP, Open vessel (%)	0560	2.2149	0.05140	1.9328	0.20748	0.05403	16	1.36	7%	0
027.42	Magnesium, ICP, Open vessel (%)	0555	2.1500	0.30000	1.9328	0.20748	0.05403	16	1.05	6%	1
027.43	Magnesium, ICP, Microwave (%)	0168	1.5815	0.00300	1.9125	0.11837	0.03123	20	-2.80	9%	0
027.43	Magnesium, ICP, Microwave (%)	0510	1.6500	0.06000	1.9125	0.11837	0.03123	20	-2.22	7%	0
027.43	Magnesium, ICP, Microwave (%)	0918	1.7570	0.01400	1.9125	0.11837	0.03123	20	-1.31	4%	0
027.43	Magnesium, ICP, Microwave (%)	0033	1.7650	0.09000	1.9125	0.11837	0.03123	20	-1.25	4%	0
027.43	Magnesium, ICP, Microwave (%)	0668	1.8450	0.11000	1.9125	0.11837	0.03123	20	-0.57	2%	0
027.43	Magnesium, ICP, Microwave (%)	0038	1.8450	0.05000	1.9125	0.11837	0.03123	20	-0.57	2%	0
027.43	Magnesium, ICP, Microwave (%)	0345	1.8450	0.01000	1.9125	0.11837	0.03123	20	-0.57	2%	0
027.43	Magnesium, ICP, Microwave (%)	0675	1.8600	0.02000	1.9125	0.11837	0.03123	20	-0.44	1%	0
027.43	Magnesium, ICP, Microwave (%)	0968	1.8690	0.01200	1.9125	0.11837	0.03123	20	-0.37	1%	0
027.43	Magnesium, ICP, Microwave (%)	0037	1.9500	0.02000	1.9125	0.11837	0.03123	20	0.32	1%	0
027.43	Magnesium, ICP, Microwave (%)	0098	1.9550	0.05000	1.9125	0.11837	0.03123	20	0.36	1%	0
027.43	Magnesium, ICP, Microwave (%)	0629	1.9650	0.03000	1.9125	0.11837	0.03123	20	0.44	1%	0
027.43	Magnesium, ICP, Microwave (%)	0027	1.9685	0.02500	1.9125	0.11837	0.03123	20	0.47	1%	0
027.43	Magnesium, ICP, Microwave (%)	0008	1.9800	0.02000	1.9125	0.11837	0.03123	20	0.57	2%	0
027.43	Magnesium, ICP, Microwave (%)	0964	1.9839	0.00250	1.9125	0.11837	0.03123	20	0.60	2%	0
027.43	Magnesium, ICP, Microwave (%)	0297	1.9900	0.02000	1.9125	0.11837	0.03123	20	0.66	2%	0
027.43	Magnesium, ICP, Microwave (%)	0353	1.9900	0.06000	1.9125	0.11837	0.03123	20	0.66	2%	0
027.43	Magnesium, ICP, Microwave (%)	0036	2.0325	0.01800	1.9125	0.11837	0.03123	20	1.01	3%	0
027.43	Magnesium, ICP, Microwave (%)	0028	2.0450	0.01000	1.9125	0.11837	0.03123	20	1.12	3%	0
027.43	Magnesium, ICP, Microwave (%)	0425	2.1300	0.00000	1.9125	0.11837	0.03123	20	1.84	6%	0
027.44	Magnesium, ICP, Dry ash (%)	2004	1.7350	0.01000			0.01000	1			
027.52	Magnesium, ICP-MS, Open vessel (%)	0047	2.1800	0.10000			0.10000	1			
027.53	Magnesium, ICP-MS, Microwave (%)	0572	1.8950	0.08000			0.08000	1			
027.99	Magnesium, Miscellaneous (%)	0889	1.8250	0.09000	1.9817	0.19496	0.03667	3	-0.80	4%	0
027.99	Magnesium, Miscellaneous (%)	0242	1.9200	0.00000	1.9817	0.19496	0.03667	3	-0.32	2%	0
027.99	Magnesium, Miscellaneous (%)	0100	2.2000	0.02000	1.9817	0.19496	0.03667	3	1.12	6%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0673	0.21000	0.00000	2,164.1	329.46	51.760	18	-6.57	50%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0590	0.24500	0.01000	2,164.1	329.46	51.760	18	-6.57	50%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	2042	1,425.0	4.0000	2,164.1	329.46	51.760	18	-2.24	17%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0175	1,650.0	100.00	2,164.1	329.46	51.760	18	-1.56	12%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0354	1,777.3	4.5400	2,164.1	329.46	51.760	18	-1.17	9%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0904	1,846.6	80.580	2,164.1	329.46	51.760	18	-0.96	7%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0014	2,022.0	74.000	2,164.1	329.46	51.760	18	-0.43	3%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0178	2,160.0	20.000	2,164.1	329.46	51.760	18	-0.01	0%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0723	2,258.8	0.00000	2,164.1	329.46	51.760	18	0.29	2%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0951	2,280.5	67.300	2,164.1	329.46	51.760	18	0.35	3%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0596	2,327.3	312.88	2,164.1	329.46	51.760	18	0.50	4%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0638	2,344.0	38.000	2,164.1	329.46	51.760	18	0.55	4%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	2067	2,374.6	6.2780	2,164.1	329.46	51.760	18	0.64	5%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0939	2,401.0	10.000	2,164.1	329.46	51.760	18	0.72	5%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0208	2,465.0	150.00	2,164.1	329.46	51.760	18	0.91	7%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0689	2,468.5	21.000	2,164.1	329.46	51.760	18	0.92	7%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0505	2,500.0	40.000	2,164.1	329.46	51.760	18	1.02	8%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	2022	2,544.1	3.1000	2,164.1	329.46	51.760	18	1.15	9%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0001	2,547.5	403.00	2,164.1	329.46	51.760	18	1.16	9%	1
028.32	Manganese, AAS, Open vessel (mg / kg (ppm))	0038	2,329.5	49.000	2,342.8	11.558	67.000	3	-1.15	0%	0
028.32	Manganese, AAS, Open vessel (mg / kg (ppm))	0612	2,349.0	52.000	2,342.8	11.558	67.000	3	0.53	0%	0
028.32	Manganese, AAS, Open vessel (mg / kg (ppm))	0609	2,350.0	100.00	2,342.8	11.558	67.000	3	0.62	0%	0
028.33	Manganese, AAS, Microwave (mg / kg (ppm))	0948	1,878.3	23.630	2,133.9	361.43	65.605	2	-0.71	6%	0
028.33	Manganese, AAS, Microwave (mg / kg (ppm))	2018	2,389.5	107.58	2,133.9	361.43	65.605	2	0.71	6%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0049	1,939.5	237.06	2,357.3	129.83	63.714	28	-3.22	9%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0300	2,208.1	19.555	2,357.3	129.83	63.714	28	-1.15	3%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0598	2,220.5	25.000	2,357.3	129.83	63.714	28	-1.05	3%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0511	2,226.5	25.000	2,357.3	129.83	63.714	28	-1.01	3%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0148	2,228.5	7.0000	2,357.3	129.83	63.714	28	-0.99	3%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0520	2,234.5	93.000	2,357.3	129.83	63.714	28	-0.95	3%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0407	2,250.0	80.000	2,357.3	129.83	63.714	28	-0.83	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0878	2,250.0	100.00	2,357.3	129.83	63.714	28	-0.83	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0074	2,271.0	8.0000	2,357.3	129.83	63.714	28	-0.66	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0358	2,298.3	84.860	2,357.3	129.83	63.714	28	-0.45	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0171	2,310.0	60.000	2,357.3	129.83	63.714	28	-0.36	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0610	2,328.0	36.000	2,357.3	129.83	63.714	28	-0.23	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0848	2,336.3	1.5800	2,357.3	129.83	63.714	28	-0.16	0%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0695	2,339.5	23.390	2,357.3	129.83	63.714	28	-0.14	0%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0164	2,360.0	40.000	2,357.3	129.83	63.714	28	0.02	0%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0910	2,375.0	186.00	2,357.3	129.83	63.714	28	0.14	0%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0083	2,390.5	163.00	2,357.3	129.83	63.714	28	0.26	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0208	2,396.0	44.000	2,357.3	129.83	63.714	28	0.30	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0964	2,397.7	3.8000	2,357.3	129.83	63.714	28	0.31	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0226	2,425.0	70.000	2,357.3	129.83	63.714	28	0.52	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0011	2,443.5	29.000	2,357.3	129.83	63.714	28	0.66	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0229	2,453.0	16.000	2,357.3	129.83	63.714	28	0.74	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0004	2,458.5	1.0000	2,357.3	129.83	63.714	28	0.78	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0019	2,460.0	158.00	2,357.3	129.83	63.714	28	0.79	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0553	2,525.0	90.000	2,357.3	129.83	63.714	28	1.29	4%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0619	2,596.0	68.000	2,357.3	129.83	63.714	28	1.84	5%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0720	2,632.4	114.74	2,357.3	129.83	63.714	28	2.12	6%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0682	2,661.0	0.00000	2,357.3	129.83	63.714	28	2.34	6%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0042	1,994.0	10.000	2,353.3	257.03	52.969	17	-1.40	8%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0265	1,994.0	118.00	2,353.3	257.03	52.969	17	-1.40	8%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0870	2,091.0	10.000	2,353.3	257.03	52.969	17	-1.02	6%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0035	2,155.5	11.000	2,353.3	257.03	52.969	17	-0.77	4%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	2012	2,235.4	42.010	2,353.3	257.03	52.969	17	-0.46	3%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0555	2,250.0	100.00	2,353.3	257.03	52.969	17	-0.40	2%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0186	2,287.5	7.0000	2,353.3	257.03	52.969	17	-0.26	1%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0187	2,321.0	20.000	2,353.3	257.03	52.969	17	-0.13	1%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0693	2,322.5	223.00	2,353.3	257.03	52.969	17	-0.12	1%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0357	2,347.0	24.000	2,353.3	257.03	52.969	17	-0.02	0%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0413	2,400.0	20.000	2,353.3	257.03	52.969	17	0.18	1%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0278	2,450.5	35.000	2,353.3	257.03	52.969	17	0.38	2%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0190	2,510.5	9.0000	2,353.3	257.03	52.969	17	0.61	3%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0045	2,585.0	70.000	2,353.3	257.03	52.969	17	0.90	5%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0560	2,673.9	67.500	2,353.3	257.03	52.969	17	1.25	7%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0726	2,704.5	109.00	2,353.3	257.03	52.969	17	1.37	7%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0294	2,737.3	24.970	2,353.3	257.03	52.969	17	1.49	8%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0692	1,390.0	2,280.0	2,353.3	257.03	52.969	17	-3.75	20%	1
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0510	2,015.0	10.000	2,384.0	95.060	65.011	20	-3.88	8%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0918	2,175.2	8.6000	2,384.0	95.060	65.011	20	-2.20	4%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0353	2,193.0	112.00	2,384.0	95.060	65.011	20	-2.01	4%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0033	2,315.0	250.00	2,384.0	95.060	65.011	20	-0.73	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0169	2,325.0	10.000	2,384.0	95.060	65.011	20	-0.62	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0668	2,330.0	100.00	2,384.0	95.060	65.011	20	-0.57	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0297	2,334.0	18.000	2,384.0	95.060	65.011	20	-0.53	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0675	2,359.3	49.650	2,384.0	95.060	65.011	20	-0.26	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0037	2,366.0	4.0000	2,384.0	95.060	65.011	20	-0.19	0%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0098	2,381.5	37.000	2,384.0	95.060	65.011	20	-0.03	0%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0345	2,385.0	10.000	2,384.0	95.060	65.011	20	0.01	0%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0964	2,391.8	178.50	2,384.0	95.060	65.011	20	0.08	0%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0629	2,400.0	40.000	2,384.0	95.060	65.011	20	0.17	0%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0027	2,411.3	27.060	2,384.0	95.060	65.011	20	0.29	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0008	2,440.0	20.000	2,384.0	95.060	65.011	20	0.59	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0036	2,442.6	36.400	2,384.0	95.060	65.011	20	0.62	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0028	2,498.5	9.0000	2,384.0	95.060	65.011	20	1.20	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0425	2,521.0	122.00	2,384.0	95.060	65.011	20	1.44	3%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0968	2,557.0	28.000	2,384.0	95.060	65.011	20	1.82	4%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0038	2,575.0	230.00	2,384.0	95.060	65.011	20	2.01	4%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0168	2,502.0	626.00	2,384.0	95.060	65.011	20	1.24	2%	1
028.44	Manganese, ICP, Dry ash (mg / kg (ppm))	2023	2,195.0	70.000	2,265.0	98.995	80.000	2	-0.71	2%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
028.44	Manganese, ICP, Dry ash (mg / kg (ppm))	2004	2,335.0	90.000	2,265.0	98.995	80.000	2	0.71	2%	0
028.52	Manganese, ICP-MS, Open vessel (mg / kg (ppm))	0555	2,122.5	155.00	2,317.5	275.77	79.000	2	-0.71	4%	0
028.52	Manganese, ICP-MS, Open vessel (mg / kg (ppm))	0047	2,512.5	3.0000	2,317.5	275.77	79.000	2	0.71	4%	0
028.53	Manganese, ICP-MS, Microwave (mg / kg (ppm))	0572	2,415.0	34.000			34.000	1			
028.99	Manganese, Miscellaneous (mg / kg (ppm))	0242	2,423.0	48.000	2,458.0	49.497	77.000	2	-0.71	1%	0
028.99	Manganese, Miscellaneous (mg / kg (ppm))	0100	2,493.0	106.00	2,458.0	49.497	77.000	2	0.71	1%	0
031.00	Phosphorus, Vol (%)	0895	8.6450	0.01000	8.6573	0.01743	0.02975	2	-0.71	0%	0
031.00	Phosphorus, Vol (%)	0623	8.6697	0.04950	8.6573	0.01743	0.02975	2	0.71	0%	0
031.01	Phosphorus, Photometric (%)	2006	7.6505	0.08700	8.6037	0.28778	0.09755	37	-3.31	6%	0
031.01	Phosphorus, Photometric (%)	0849	7.7035	0.05300	8.6037	0.28778	0.09755	37	-3.13	5%	0
031.01	Phosphorus, Photometric (%)	0897	8.1750	0.01000	8.6037	0.28778	0.09755	37	-1.49	2%	0
031.01	Phosphorus, Photometric (%)	0937	8.2050	0.01000	8.6037	0.28778	0.09755	37	-1.39	2%	0
031.01	Phosphorus, Photometric (%)	2042	8.2300	0.00000	8.6037	0.28778	0.09755	37	-1.30	2%	0
031.01	Phosphorus, Photometric (%)	0638	8.2800	0.30000	8.6037	0.28778	0.09755	37	-1.12	2%	0
031.01	Phosphorus, Photometric (%)	0175	8.2900	0.12000	8.6037	0.28778	0.09755	37	-1.09	2%	0
031.01	Phosphorus, Photometric (%)	0354	8.3450	0.01000	8.6037	0.28778	0.09755	37	-0.90	2%	0
031.01	Phosphorus, Photometric (%)	0878	8.3600	0.06000	8.6037	0.28778	0.09755	37	-0.85	1%	0
031.01	Phosphorus, Photometric (%)	0891	8.4289	0.00320	8.6037	0.28778	0.09755	37	-0.61	1%	0
031.01	Phosphorus, Photometric (%)	0622	8.4353	0.22200	8.6037	0.28778	0.09755	37	-0.59	1%	0
031.01	Phosphorus, Photometric (%)	0609	8.5000	0.20000	8.6037	0.28778	0.09755	37	-0.36	1%	0
031.01	Phosphorus, Photometric (%)	0722	8.5057	0.10940	8.6037	0.28778	0.09755	37	-0.34	1%	0
031.01	Phosphorus, Photometric (%)	0208	8.5445	0.36900	8.6037	0.28778	0.09755	37	-0.21	0%	0
031.01	Phosphorus, Photometric (%)	0620	8.5517	0.09190	8.6037	0.28778	0.09755	37	-0.18	0%	0
031.01	Phosphorus, Photometric (%)	0903	8.5550	0.01000	8.6037	0.28778	0.09755	37	-0.17	0%	0
031.01	Phosphorus, Photometric (%)	2067	8.5575	0.01700	8.6037	0.28778	0.09755	37	-0.16	0%	0
031.01	Phosphorus, Photometric (%)	0723	8.5879	0.00000	8.6037	0.28778	0.09755	37	-0.05	0%	0
031.01	Phosphorus, Photometric (%)	0038	8.6000	0.06000	8.6037	0.28778	0.09755	37	-0.01	0%	0
031.01	Phosphorus, Photometric (%)	0948	8.6150	0.07000	8.6037	0.28778	0.09755	37	0.04	0%	0
031.01	Phosphorus, Photometric (%)	0511	8.6300	0.14000	8.6037	0.28778	0.09755	37	0.09	0%	0
031.01	Phosphorus, Photometric (%)	0939	8.6350	0.45000	8.6037	0.28778	0.09755	37	0.11	0%	0
031.01	Phosphorus, Photometric (%)	0016	8.6700	0.04000	8.6037	0.28778	0.09755	37	0.23	0%	0
031.01	Phosphorus, Photometric (%)	0689	8.6850	0.03000	8.6037	0.28778	0.09755	37	0.28	0%	0
031.01	Phosphorus, Photometric (%)	0904	8.7050	0.11000	8.6037	0.28778	0.09755	37	0.35	1%	0
031.01	Phosphorus, Photometric (%)	0066	8.7400	0.14000	8.6037	0.28778	0.09755	37	0.47	1%	0
031.01	Phosphorus, Photometric (%)	2068	8.7450	0.01000	8.6037	0.28778	0.09755	37	0.49	1%	0
031.01	Phosphorus, Photometric (%)	0152	8.7500	0.10000	8.6037	0.28778	0.09755	37	0.51	1%	0
031.01	Phosphorus, Photometric (%)	0683	8.8000	0.04000	8.6037	0.28778	0.09755	37	0.68	1%	0
031.01	Phosphorus, Photometric (%)	0687	8.9000	0.20000	8.6037	0.28778	0.09755	37	1.03	2%	0
031.01	Phosphorus, Photometric (%)	0893	8.9300	0.02000	8.6037	0.28778	0.09755	37	1.13	2%	0
031.01	Phosphorus, Photometric (%)	0951	9.0430	0.19800	8.6037	0.28778	0.09755	37	1.53	3%	0
031.01	Phosphorus, Photometric (%)	2009	9.0585	0.00870	8.6037	0.28778	0.09755	37	1.58	3%	0
031.01	Phosphorus, Photometric (%)	2063	9.0900	0.02000	8.6037	0.28778	0.09755	37	1.69	3%	0



Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS	Threshold	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs	Z Score	%RSD	
031.01	Phosphorus, Photometric (%)	0178	9.2250	0.01000	8.6037	0.28778	0.09755	37	2.16	4%	0
031.01	Phosphorus, Photometric (%)	0940	9.3150	0.13000	8.6037	0.28778	0.09755	37	2.47	4%	0
031.01	Phosphorus, Photometric (%)	0596	9.4700	0.16000	8.6037	0.28778	0.09755	37	3.01	5%	0
031.01	Phosphorus, Photometric (%)	0337	6.9700	0.90000	8.6037	0.28778	0.09755	37	-5.68	9%	1
031.01	Phosphorus, Photometric (%)	2022	9.3100	0.78000	8.6037	0.28778	0.09755	37	2.45	4%	1
031.01	Phosphorus, Photometric (%)	0921	15.558	0.00000	8.6037	0.28778	0.09755	37	24.17	40%	2
031.02	Phosphorus, GQMP (AOAC 935.13-Extraction) (%)	0011	8.5724	0.06530	8.6208	0.05796	0.07510	3	-0.84	0%	0
031.02	Phosphorus, GQMP (AOAC 935.13-Extraction) (%)	0505	8.6050	0.11000	8.6208	0.05796	0.07510	3	-0.27	0%	0
031.02	Phosphorus, GQMP (AOAC 935.13-Extraction) (%)	2053	8.6850	0.05000	8.6208	0.05796	0.07510	3	1.11	0%	0
031.03	Phosphorus, Autoanalyzer (%)	0504	8.5900	0.18000	8.9297	0.34090	0.13078	4	-1.00	2%	0
031.03	Phosphorus, Autoanalyzer (%)	0036	8.7738	0.01110	8.9297	0.34090	0.13078	4	-0.46	1%	0
031.03	Phosphorus, Autoanalyzer (%)	0001	8.9700	0.30200	8.9297	0.34090	0.13078	4	0.12	0%	0
031.03	Phosphorus, Autoanalyzer (%)	0169	9.3850	0.03000	8.9297	0.34090	0.13078	4	1.34	3%	0
031.06	Phosphorus, Hach Method (%)	0138	7.4735	0.05700			0.05700	1			
031.41	Phosphorus, ICP, Dry ash (%)	0720	7.7700	0.02000	8.6605	0.33753	0.20690	29	-2.64	5%	0
031.41	Phosphorus, ICP, Dry ash (%)	0598	7.8000	0.04400	8.6605	0.33753	0.20690	29	-2.55	5%	0
031.41	Phosphorus, ICP, Dry ash (%)	0910	7.9300	0.76000	8.6605	0.33753	0.20690	29	-2.16	4%	0
031.41	Phosphorus, ICP, Dry ash (%)	0685	8.0900	0.16000	8.6605	0.33753	0.20690	29	-1.69	3%	0
031.41	Phosphorus, ICP, Dry ash (%)	0049	8.3100	0.12000	8.6605	0.33753	0.20690	29	-1.04	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0619	8.3400	0.04000	8.6605	0.33753	0.20690	29	-0.95	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0148	8.4430	0.02200	8.6605	0.33753	0.20690	29	-0.64	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0358	8.4550	0.15000	8.6605	0.33753	0.20690	29	-0.61	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0004	8.4700	0.34000	8.6605	0.33753	0.20690	29	-0.56	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0413	8.5350	0.05000	8.6605	0.33753	0.20690	29	-0.37	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0164	8.5550	0.07000	8.6605	0.33753	0.20690	29	-0.31	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0300	8.5935	0.36500	8.6605	0.33753	0.20690	29	-0.20	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0848	8.6450	0.05000	8.6605	0.33753	0.20690	29	-0.05	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0171	8.6500	0.02000	8.6605	0.33753	0.20690	29	-0.03	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0229	8.6600	0.16000	8.6605	0.33753	0.20690	29	0.00	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0964	8.6679	0.27870	8.6605	0.33753	0.20690	29	0.02	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0695	8.6800	0.14000	8.6605	0.33753	0.20690	29	0.06	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0520	8.6950	0.45000	8.6605	0.33753	0.20690	29	0.10	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0226	8.7550	0.47000	8.6605	0.33753	0.20690	29	0.28	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0610	8.7800	0.10000	8.6605	0.33753	0.20690	29	0.35	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0407	8.8200	0.12000	8.6605	0.33753	0.20690	29	0.47	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0512	8.8345	0.37500	8.6605	0.33753	0.20690	29	0.52	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0074	8.9000	0.18000	8.6605	0.33753	0.20690	29	0.71	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0553	9.0000	0.56000	8.6605	0.33753	0.20690	29	1.01	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0208	9.0855	0.54300	8.6605	0.33753	0.20690	29	1.26	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0011	9.1267	0.21250	8.6605	0.33753	0.20690	29	1.38	3%	0
031.41	Phosphorus, ICP, Dry ash (%)	0682	9.5000	0.00000	8.6605	0.33753	0.20690	29	2.49	5%	0
031.41	Phosphorus, ICP, Dry ash (%)	0083	10.400	0.20000	8.6605	0.33753	0.20690	29	5.15	10%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
031.41	Phosphorus, ICP, Dry ash (%)	0144	12.100	0.00000	8.6605	0.33753	0.20690	29	10.19	20%	0
031.41	Phosphorus, ICP, Dry ash (%)	0019	8.4500	1.0400	8.6605	0.33753	0.20690	29	-0.62	1%	1
031.42	Phosphorus, ICP, Open vessel (%)	0042	7.5200	0.68000	8.5868	0.48872	0.20925	20	-2.18	6%	0
031.42	Phosphorus, ICP, Open vessel (%)	0870	7.7860	0.14200	8.5868	0.48872	0.20925	20	-1.64	5%	0
031.42	Phosphorus, ICP, Open vessel (%)	0693	7.9950	0.51000	8.5868	0.48872	0.20925	20	-1.21	3%	0
031.42	Phosphorus, ICP, Open vessel (%)	0035	8.1850	0.04200	8.5868	0.48872	0.20925	20	-0.82	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0357	8.2650	0.23000	8.5868	0.48872	0.20925	20	-0.66	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0205	8.3450	0.03000	8.5868	0.48872	0.20925	20	-0.49	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0278	8.4150	0.01000	8.5868	0.48872	0.20925	20	-0.35	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0034	8.4700	0.02000	8.5868	0.48872	0.20925	20	-0.24	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0045	8.4950	0.05000	8.5868	0.48872	0.20925	20	-0.19	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0186	8.5250	0.33000	8.5868	0.48872	0.20925	20	-0.13	0%	0
031.42	Phosphorus, ICP, Open vessel (%)	0187	8.5450	0.09000	8.5868	0.48872	0.20925	20	-0.09	0%	0
031.42	Phosphorus, ICP, Open vessel (%)	0014	8.7150	0.23000	8.5868	0.48872	0.20925	20	0.26	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0294	8.7150	0.01000	8.5868	0.48872	0.20925	20	0.26	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	2012	8.8450	0.21000	8.5868	0.48872	0.20925	20	0.53	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0692	8.9000	0.12000	8.5868	0.48872	0.20925	20	0.64	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0726	8.9210	0.05000	8.5868	0.48872	0.20925	20	0.68	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0555	9.0500	0.50000	8.5868	0.48872	0.20925	20	0.95	3%	0
031.42	Phosphorus, ICP, Open vessel (%)	0190	9.1050	0.09000	8.5868	0.48872	0.20925	20	1.06	3%	0
031.42	Phosphorus, ICP, Open vessel (%)	0265	9.6250	0.41000	8.5868	0.48872	0.20925	20	2.12	6%	0
031.42	Phosphorus, ICP, Open vessel (%)	0560	9.9200	0.43100	8.5868	0.48872	0.20925	20	2.73	8%	0
031.43	Phosphorus, ICP, Microwave (%)	0918	8.0330	0.30000	8.5749	0.30776	0.15107	21	-1.76	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0510	8.0350	0.07000	8.5749	0.30776	0.15107	21	-1.75	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0968	8.0900	0.16600	8.5749	0.30776	0.15107	21	-1.58	3%	0
031.43	Phosphorus, ICP, Microwave (%)	2023	8.1500	0.50000	8.5749	0.30776	0.15107	21	-1.38	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0033	8.3950	0.15000	8.5749	0.30776	0.15107	21	-0.58	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0345	8.4050	0.05000	8.5749	0.30776	0.15107	21	-0.55	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0668	8.4400	0.52000	8.5749	0.30776	0.15107	21	-0.44	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0964	8.4697	0.38640	8.5749	0.30776	0.15107	21	-0.34	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0006	8.5105	0.04500	8.5749	0.30776	0.15107	21	-0.21	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0297	8.5300	0.30000	8.5749	0.30776	0.15107	21	-0.15	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0629	8.5850	0.03000	8.5749	0.30776	0.15107	21	0.03	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0028	8.6000	0.00000	8.5749	0.30776	0.15107	21	0.08	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0008	8.6255	0.09100	8.5749	0.30776	0.15107	21	0.16	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0168	8.6255	0.07900	8.5749	0.30776	0.15107	21	0.16	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0036	8.6925	0.00500	8.5749	0.30776	0.15107	21	0.38	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0027	8.7000	0.22000	8.5749	0.30776	0.15107	21	0.41	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0098	8.8150	0.05000	8.5749	0.30776	0.15107	21	0.78	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0425	9.0800	0.08000	8.5749	0.30776	0.15107	21	1.64	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0037	9.2200	0.06000	8.5749	0.30776	0.15107	21	2.10	4%	0
031.43	Phosphorus, ICP, Microwave (%)	0675	9.5150	0.01000	8.5749	0.30776	0.15107	21	3.05	5%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
031.43	Phosphorus, ICP, Microwave (%)	0353	10.250	0.06000	8.5749	0.30776	0.15107	21	5.44	10%	0
031.44	Phosphorus, ICP, Dry ash (%)	2004	8.0050	0.03000			0.03000	1			
031.53	Phosphorus, ICP-MS, Microwave (%)	0572	8.4505	0.03100			0.03100	1			
031.99	Phosphorus, Miscellaneous (%)	0852	2.2650	0.11000	8.3400	0.31242	0.07714	7	-19.44	36%	0
031.99	Phosphorus, Miscellaneous (%)	0676	8.1450	0.17000	8.3400	0.31242	0.07714	7	-0.62	1%	0
031.99	Phosphorus, Miscellaneous (%)	0242	8.2250	0.01000	8.3400	0.31242	0.07714	7	-0.37	1%	0
031.99	Phosphorus, Miscellaneous (%)	0100	8.3600	0.00000	8.3400	0.31242	0.07714	7	0.06	0%	0
031.99	Phosphorus, Miscellaneous (%)	0590	8.3800	0.00000	8.3400	0.31242	0.07714	7	0.13	0%	0
031.99	Phosphorus, Miscellaneous (%)	0673	8.5500	0.10000	8.3400	0.31242	0.07714	7	0.67	1%	0
031.99	Phosphorus, Miscellaneous (%)	0889	8.8350	0.15000	8.3400	0.31242	0.07714	7	1.58	3%	0
032.02	Potassium, Flame Emission (%)	0590	0.96000	0.00000	1.0890	0.18243	0.04000	2	-0.71	6%	0
032.02	Potassium, Flame Emission (%)	0951	1.2180	0.08000	1.0890	0.18243	0.04000	2	0.71	6%	0
032.08	Potassium, Ion-selective electrode (%)	2006	0.91950	0.04300			0.04300	1			
032.31	Potassium, AAS, Dry ash (%)	0650	0.80000	0.04000	1.1041	0.09621	0.04915	19	-3.16	14%	0
032.31	Potassium, AAS, Dry ash (%)	0638	0.85000	0.20000	1.1041	0.09621	0.04915	19	-2.64	12%	0
032.31	Potassium, AAS, Dry ash (%)	0673	1.0000	0.00000	1.1041	0.09621	0.04915	19	-1.08	5%	0
032.31	Potassium, AAS, Dry ash (%)	0354	1.0350	0.05000	1.1041	0.09621	0.04915	19	-0.72	3%	0
032.31	Potassium, AAS, Dry ash (%)	0505	1.0350	0.03000	1.1041	0.09621	0.04915	19	-0.72	3%	0
032.31	Potassium, AAS, Dry ash (%)	2053	1.0450	0.05000	1.1041	0.09621	0.04915	19	-0.61	3%	0
032.31	Potassium, AAS, Dry ash (%)	0683	1.0500	0.04000	1.1041	0.09621	0.04915	19	-0.56	2%	0
032.31	Potassium, AAS, Dry ash (%)	0014	1.0850	0.05000	1.1041	0.09621	0.04915	19	-0.20	1%	0
032.31	Potassium, AAS, Dry ash (%)	0175	1.0850	0.05000	1.1041	0.09621	0.04915	19	-0.20	1%	0
032.31	Potassium, AAS, Dry ash (%)	2022	1.1245	0.04500	1.1041	0.09621	0.04915	19	0.21	1%	0
032.31	Potassium, AAS, Dry ash (%)	0066	1.1250	0.03000	1.1041	0.09621	0.04915	19	0.22	1%	0
032.31	Potassium, AAS, Dry ash (%)	0038	1.1500	0.04000	1.1041	0.09621	0.04915	19	0.48	2%	0
032.31	Potassium, AAS, Dry ash (%)	0208	1.1500	0.06000	1.1041	0.09621	0.04915	19	0.48	2%	0
032.31	Potassium, AAS, Dry ash (%)	0178	1.1600	0.01800	1.1041	0.09621	0.04915	19	0.58	3%	0
032.31	Potassium, AAS, Dry ash (%)	0596	1.1650	0.05000	1.1041	0.09621	0.04915	19	0.63	3%	0
032.31	Potassium, AAS, Dry ash (%)	0904	1.1950	0.05000	1.1041	0.09621	0.04915	19	0.95	4%	0
032.31	Potassium, AAS, Dry ash (%)	0939	1.2000	0.04000	1.1041	0.09621	0.04915	19	1.00	4%	0
032.31	Potassium, AAS, Dry ash (%)	0948	1.2050	0.01000	1.1041	0.09621	0.04915	19	1.05	5%	0
032.31	Potassium, AAS, Dry ash (%)	0946	1.4018	0.08090	1.1041	0.09621	0.04915	19	3.09	13%	0
032.31	Potassium, AAS, Dry ash (%)	0689	1.3550	0.23000	1.1041	0.09621	0.04915	19	2.61	11%	1
032.32	Potassium, AAS, Open vessel (%)	0609	1.1200	0.02000	1.1783	0.09251	0.01667	3	-0.63	2%	0
032.32	Potassium, AAS, Open vessel (%)	0169	1.1300	0.00000	1.1783	0.09251	0.01667	3	-0.52	2%	0
032.32	Potassium, AAS, Open vessel (%)	0612	1.2850	0.03000	1.1783	0.09251	0.01667	3	1.15	5%	0
032.41	Potassium, ICP, Dry ash (%)	0358	0.75000	0.02000	1.1643	0.06085	0.04670	27	-6.81	18%	0
032.41	Potassium, ICP, Dry ash (%)	0019	1.1000	0.04000	1.1643	0.06085	0.04670	27	-1.06	3%	0
032.41	Potassium, ICP, Dry ash (%)	0878	1.1000	0.00000	1.1643	0.06085	0.04670	27	-1.06	3%	0
032.41	Potassium, ICP, Dry ash (%)	0171	1.1050	0.01000	1.1643	0.06085	0.04670	27	-0.97	3%	0
032.41	Potassium, ICP, Dry ash (%)	0413	1.1150	0.05000	1.1643	0.06085	0.04670	27	-0.81	2%	0
032.41	Potassium, ICP, Dry ash (%)	0011	1.1211	0.00210	1.1643	0.06085	0.04670	27	-0.71	2%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS	Threshold	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs	Z Score	%RSD	
032.41	Potassium, ICP, Dry ash (%)	0964	1.1237	0.00490	1.1643	0.06085	0.04670	27	-0.67	2%	0
032.41	Potassium, ICP, Dry ash (%)	0164	1.1250	0.09000	1.1643	0.06085	0.04670	27	-0.65	2%	0
032.41	Potassium, ICP, Dry ash (%)	0511	1.1250	0.03000	1.1643	0.06085	0.04670	27	-0.65	2%	0
032.41	Potassium, ICP, Dry ash (%)	0619	1.1250	0.01000	1.1643	0.06085	0.04670	27	-0.65	2%	0
032.41	Potassium, ICP, Dry ash (%)	0074	1.1300	0.02000	1.1643	0.06085	0.04670	27	-0.56	1%	0
032.41	Potassium, ICP, Dry ash (%)	0148	1.1365	0.00100	1.1643	0.06085	0.04670	27	-0.46	1%	0
032.41	Potassium, ICP, Dry ash (%)	0083	1.1400	0.02000	1.1643	0.06085	0.04670	27	-0.40	1%	0
032.41	Potassium, ICP, Dry ash (%)	0553	1.1400	0.04000	1.1643	0.06085	0.04670	27	-0.40	1%	0
032.41	Potassium, ICP, Dry ash (%)	0910	1.1400	0.14000	1.1643	0.06085	0.04670	27	-0.40	1%	0
032.41	Potassium, ICP, Dry ash (%)	0229	1.1700	0.02000	1.1643	0.06085	0.04670	27	0.09	0%	0
032.41	Potassium, ICP, Dry ash (%)	0848	1.2000	0.00000	1.1643	0.06085	0.04670	27	0.59	2%	0
032.41	Potassium, ICP, Dry ash (%)	0049	1.2150	0.01000	1.1643	0.06085	0.04670	27	0.83	2%	0
032.41	Potassium, ICP, Dry ash (%)	0682	1.2200	0.00000	1.1643	0.06085	0.04670	27	0.92	2%	0
032.41	Potassium, ICP, Dry ash (%)	0300	1.2400	0.02400	1.1643	0.06085	0.04670	27	1.24	3%	0
032.41	Potassium, ICP, Dry ash (%)	0520	1.2500	0.04000	1.1643	0.06085	0.04670	27	1.41	4%	0
032.41	Potassium, ICP, Dry ash (%)	0004	1.2600	0.20000	1.1643	0.06085	0.04670	27	1.57	4%	0
032.41	Potassium, ICP, Dry ash (%)	0208	1.2895	0.12300	1.1643	0.06085	0.04670	27	2.06	5%	0
032.41	Potassium, ICP, Dry ash (%)	0598	1.3050	0.02600	1.1643	0.06085	0.04670	27	2.31	6%	0
032.41	Potassium, ICP, Dry ash (%)	0407	1.4500	0.08000	1.1643	0.06085	0.04670	27	4.69	12%	0
032.41	Potassium, ICP, Dry ash (%)	0695	1.4500	0.06000	1.1643	0.06085	0.04670	27	4.69	12%	0
032.41	Potassium, ICP, Dry ash (%)	0226	2.3200	0.20000	1.1643	0.06085	0.04670	27	18.99	50%	0
032.41	Potassium, ICP, Dry ash (%)	0720	1.5600	0.26000	1.1643	0.06085	0.04670	27	6.50	17%	1
032.41	Potassium, ICP, Dry ash (%)	0144	7.8950	0.01000	1.1643	0.06085	0.04670	27	110.60	289%	2
032.42	Potassium, ICP, Open vessel (%)	0693	0.94000	0.04000	1.1160	0.10559	0.02708	18	-1.67	8%	0
032.42	Potassium, ICP, Open vessel (%)	0034	0.98700	0.00200	1.1160	0.10559	0.02708	18	-1.22	6%	0
032.42	Potassium, ICP, Open vessel (%)	0045	1.0150	0.01000	1.1160	0.10559	0.02708	18	-0.96	5%	0
032.42	Potassium, ICP, Open vessel (%)	0035	1.0330	0.00200	1.1160	0.10559	0.02708	18	-0.79	4%	0
032.42	Potassium, ICP, Open vessel (%)	0278	1.0400	0.02000	1.1160	0.10559	0.02708	18	-0.72	3%	0
032.42	Potassium, ICP, Open vessel (%)	0042	1.0800	0.00000	1.1160	0.10559	0.02708	18	-0.34	2%	0
032.42	Potassium, ICP, Open vessel (%)	0205	1.0850	0.01000	1.1160	0.10559	0.02708	18	-0.29	1%	0
032.42	Potassium, ICP, Open vessel (%)	2012	1.0850	0.01000	1.1160	0.10559	0.02708	18	-0.29	1%	0
032.42	Potassium, ICP, Open vessel (%)	0870	1.0950	0.02000	1.1160	0.10559	0.02708	18	-0.20	1%	0
032.42	Potassium, ICP, Open vessel (%)	0186	1.0950	0.03000	1.1160	0.10559	0.02708	18	-0.20	1%	0
032.42	Potassium, ICP, Open vessel (%)	0357	1.1250	0.03000	1.1160	0.10559	0.02708	18	0.08	0%	0
032.42	Potassium, ICP, Open vessel (%)	0726	1.1320	0.00800	1.1160	0.10559	0.02708	18	0.15	1%	0
032.42	Potassium, ICP, Open vessel (%)	0190	1.1850	0.01000	1.1160	0.10559	0.02708	18	0.65	3%	0
032.42	Potassium, ICP, Open vessel (%)	0294	1.1900	0.02000	1.1160	0.10559	0.02708	18	0.70	3%	0
032.42	Potassium, ICP, Open vessel (%)	0187	1.2250	0.01000	1.1160	0.10559	0.02708	18	1.03	5%	0
032.42	Potassium, ICP, Open vessel (%)	0692	1.2650	0.09000	1.1160	0.10559	0.02708	18	1.41	7%	0
032.42	Potassium, ICP, Open vessel (%)	0265	1.3100	0.12000	1.1160	0.10559	0.02708	18	1.84	9%	0
032.42	Potassium, ICP, Open vessel (%)	0560	1.3453	0.05540	1.1160	0.10559	0.02708	18	2.17	10%	0
032.42	Potassium, ICP, Open vessel (%)	0555	1.1000	0.20000	1.1160	0.10559	0.02708	18	-0.15	1%	1

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
032.43	Potassium, ICP, Microwave (%)	0168	0.98675	0.05250	1.1264	0.08116	0.02900	21	-1.72	6%	0
032.43	Potassium, ICP, Microwave (%)	0668	1.0280	0.06400	1.1264	0.08116	0.02900	21	-1.21	4%	0
032.43	Potassium, ICP, Microwave (%)	0918	1.0425	0.07900	1.1264	0.08116	0.02900	21	-1.03	4%	0
032.43	Potassium, ICP, Microwave (%)	0033	1.0500	0.00000	1.1264	0.08116	0.02900	21	-0.94	3%	0
032.43	Potassium, ICP, Microwave (%)	0036	1.0584	0.01310	1.1264	0.08116	0.02900	21	-0.84	3%	0
032.43	Potassium, ICP, Microwave (%)	0297	1.0900	0.02000	1.1264	0.08116	0.02900	21	-0.45	2%	0
032.43	Potassium, ICP, Microwave (%)	0510	1.0950	0.03000	1.1264	0.08116	0.02900	21	-0.39	1%	0
032.43	Potassium, ICP, Microwave (%)	0425	1.1000	0.00000	1.1264	0.08116	0.02900	21	-0.32	1%	0
032.43	Potassium, ICP, Microwave (%)	2023	1.1000	0.04000	1.1264	0.08116	0.02900	21	-0.32	1%	0
032.43	Potassium, ICP, Microwave (%)	0098	1.1050	0.01000	1.1264	0.08116	0.02900	21	-0.26	1%	0
032.43	Potassium, ICP, Microwave (%)	0008	1.1200	0.03000	1.1264	0.08116	0.02900	21	-0.08	0%	0
032.43	Potassium, ICP, Microwave (%)	0038	1.1250	0.01000	1.1264	0.08116	0.02900	21	-0.02	0%	0
032.43	Potassium, ICP, Microwave (%)	0629	1.1250	0.01000	1.1264	0.08116	0.02900	21	-0.02	0%	0
032.43	Potassium, ICP, Microwave (%)	0037	1.1400	0.02000	1.1264	0.08116	0.02900	21	0.17	1%	0
032.43	Potassium, ICP, Microwave (%)	0353	1.1400	0.06000	1.1264	0.08116	0.02900	21	0.17	1%	0
032.43	Potassium, ICP, Microwave (%)	0345	1.1700	0.02000	1.1264	0.08116	0.02900	21	0.54	2%	0
032.43	Potassium, ICP, Microwave (%)	0028	1.2600	0.02000	1.1264	0.08116	0.02900	21	1.65	6%	0
032.43	Potassium, ICP, Microwave (%)	0027	1.2840	0.02600	1.1264	0.08116	0.02900	21	1.94	7%	0
032.43	Potassium, ICP, Microwave (%)	0964	1.3544	0.04030	1.1264	0.08116	0.02900	21	2.81	10%	0
032.43	Potassium, ICP, Microwave (%)	0968	1.3700	0.00400	1.1264	0.08116	0.02900	21	3.00	11%	0
032.43	Potassium, ICP, Microwave (%)	0675	1.5400	0.06000	1.1264	0.08116	0.02900	21	5.10	18%	0
032.44	Potassium, ICP, Dry ash (%)	2004	1.0850	0.01000			0.01000	1			
032.53	Potassium, ICP-MS, Microwave (%)	0572	1.1730	0.05600			0.05600	1			
032.99	Potassium, Miscellaneous (%)	0889	0.96000	0.02000	1.1248	0.13106	0.02500	4	-1.26	7%	0
032.99	Potassium, Miscellaneous (%)	0100	1.0900	0.02000	1.1248	0.13106	0.02500	4	-0.27	2%	0
032.99	Potassium, Miscellaneous (%)	0001	1.1840	0.05000	1.1248	0.13106	0.02500	4	0.45	3%	0
032.99	Potassium, Miscellaneous (%)	0242	1.2650	0.01000	1.1248	0.13106	0.02500	4	1.07	6%	0
033.00	Salt as chloride, Soluble Cl (%)	0893	13.040	0.04000	14.184	0.45368	0.06190	23	-2.52	4%	0
033.00	Salt as chloride, Soluble Cl (%)	0504	13.270	0.02000	14.184	0.45368	0.06190	23	-2.01	3%	0
033.00	Salt as chloride, Soluble Cl (%)	0539	13.575	0.01000	14.184	0.45368	0.06190	23	-1.34	2%	0
033.00	Salt as chloride, Soluble Cl (%)	0353	13.680	0.06000	14.184	0.45368	0.06190	23	-1.11	2%	0
033.00	Salt as chloride, Soluble Cl (%)	0723	13.680	0.00000	14.184	0.45368	0.06190	23	-1.11	2%	0
033.00	Salt as chloride, Soluble Cl (%)	2042	13.900	0.00000	14.184	0.45368	0.06190	23	-0.63	1%	0
033.00	Salt as chloride, Soluble Cl (%)	2063	13.935	0.03000	14.184	0.45368	0.06190	23	-0.55	1%	0
033.00	Salt as chloride, Soluble Cl (%)	0169	14.025	0.01000	14.184	0.45368	0.06190	23	-0.35	1%	0
033.00	Salt as chloride, Soluble Cl (%)	2068	14.060	0.12000	14.184	0.45368	0.06190	23	-0.27	0%	0
033.00	Salt as chloride, Soluble Cl (%)	0016	14.100	0.20000	14.184	0.45368	0.06190	23	-0.18	0%	0
033.00	Salt as chloride, Soluble Cl (%)	0683	14.125	0.13000	14.184	0.45368	0.06190	23	-0.13	0%	0
033.00	Salt as chloride, Soluble Cl (%)	0903	14.225	0.01000	14.184	0.45368	0.06190	23	0.09	0%	0
033.00	Salt as chloride, Soluble Cl (%)	0897	14.300	0.00000	14.184	0.45368	0.06190	23	0.26	0%	0
033.00	Salt as chloride, Soluble Cl (%)	2009	14.303	0.04610	14.184	0.45368	0.06190	23	0.26	0%	0
033.00	Salt as chloride, Soluble Cl (%)	0511	14.320	0.00000	14.184	0.45368	0.06190	23	0.30	0%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
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033.00	Salt as chloride, Soluble Cl (%)	0878	14.345	0.15000	14.184	0.45368	0.06190	23	0.36	1%	0
033.00	Salt as chloride, Soluble Cl (%)	0895	14.415	0.03000	14.184	0.45368	0.06190	23	0.51	1%	0
033.00	Salt as chloride, Soluble Cl (%)	0309	14.422	0.03960	14.184	0.45368	0.06190	23	0.53	1%	0
033.00	Salt as chloride, Soluble Cl (%)	0675	14.575	0.01000	14.184	0.45368	0.06190	23	0.86	1%	0
033.00	Salt as chloride, Soluble Cl (%)	0891	14.677	0.06800	14.184	0.45368	0.06190	23	1.09	2%	0
033.00	Salt as chloride, Soluble Cl (%)	2012	14.745	0.03000	14.184	0.45368	0.06190	23	1.24	2%	0
033.00	Salt as chloride, Soluble Cl (%)	0512	14.790	0.38000	14.184	0.45368	0.06190	23	1.34	2%	0
033.00	Salt as chloride, Soluble Cl (%)	2006	14.914	0.04000	14.184	0.45368	0.06190	23	1.61	3%	0
033.00	Salt as chloride, Soluble Cl (%)	0693	13.625	0.83000	14.184	0.45368	0.06190	23	-1.23	2%	1
033.01	Salt as chloride, Potentiometric Cl (%)	2006	10.999	0.04300	14.504	0.26106	0.08657	29	-13.43	12%	0
033.01	Salt as chloride, Potentiometric Cl (%)	0638	14.026	0.00000	14.504	0.26106	0.08657	29	-1.83	2%	0
033.01	Salt as chloride, Potentiometric Cl (%)	0175	14.250	0.10000	14.504	0.26106	0.08657	29	-0.97	1%	0
033.01	Salt as chloride, Potentiometric Cl (%)	0337	14.255	0.17000	14.504	0.26106	0.08657	29	-0.95	1%	0
033.01	Salt as chloride, Potentiometric Cl (%)	0011	14.256	0.01950	14.504	0.26106	0.08657	29	-0.95	1%	0
033.01	Salt as chloride, Potentiometric Cl (%)	0683	14.265	0.03000	14.504	0.26106	0.08657	29	-0.91	1%	0
033.01	Salt as chloride, Potentiometric Cl (%)	0178	14.315	0.05000	14.504	0.26106	0.08657	29	-0.72	1%	0
033.01	Salt as chloride, Potentiometric Cl (%)	0407	14.325	0.03000	14.504	0.26106	0.08657	29	-0.68	1%	0
033.01	Salt as chloride, Potentiometric Cl (%)	2023	14.325	0.05000	14.504	0.26106	0.08657	29	-0.68	1%	0
033.01	Salt as chloride, Potentiometric Cl (%)	0964	14.378	0.32480	14.504	0.26106	0.08657	29	-0.48	0%	0
033.01	Salt as chloride, Potentiometric Cl (%)	0100	14.395	0.05000	14.504	0.26106	0.08657	29	-0.42	0%	0
033.01	Salt as chloride, Potentiometric Cl (%)	0510	14.455	0.15000	14.504	0.26106	0.08657	29	-0.19	0%	0
033.01	Salt as chloride, Potentiometric Cl (%)	0148	14.460	0.04000	14.504	0.26106	0.08657	29	-0.17	0%	0
033.01	Salt as chloride, Potentiometric Cl (%)	0036	14.461	0.01320	14.504	0.26106	0.08657	29	-0.17	0%	0
033.01	Salt as chloride, Potentiometric Cl (%)	0001	14.495	0.11000	14.504	0.26106	0.08657	29	-0.03	0%	0
033.01	Salt as chloride, Potentiometric Cl (%)	0413	14.500	0.00000	14.504	0.26106	0.08657	29	-0.01	0%	0
033.01	Salt as chloride, Potentiometric Cl (%)	0083	14.530	0.40000	14.504	0.26106	0.08657	29	0.10	0%	0
033.01	Salt as chloride, Potentiometric Cl (%)	0164	14.540	0.04000	14.504	0.26106	0.08657	29	0.14	0%	0
033.01	Salt as chloride, Potentiometric Cl (%)	0010	14.550	0.10000	14.504	0.26106	0.08657	29	0.18	0%	0
033.01	Salt as chloride, Potentiometric Cl (%)	0242	14.580	0.08000	14.504	0.26106	0.08657	29	0.29	0%	0
033.01	Salt as chloride, Potentiometric Cl (%)	0939	14.620	0.04000	14.504	0.26106	0.08657	29	0.45	0%	0
033.01	Salt as chloride, Potentiometric Cl (%)	0205	14.650	0.10000	14.504	0.26106	0.08657	29	0.56	1%	0
033.01	Salt as chloride, Potentiometric Cl (%)	0226	14.700	0.20000	14.504	0.26106	0.08657	29	0.75	1%	0
033.01	Salt as chloride, Potentiometric Cl (%)	0278	14.705	0.11000	14.504	0.26106	0.08657	29	0.77	1%	0
033.01	Salt as chloride, Potentiometric Cl (%)	0682	14.980	0.00000	14.504	0.26106	0.08657	29	1.82	2%	0
033.01	Salt as chloride, Potentiometric Cl (%)	0425	15.770	0.00000	14.504	0.26106	0.08657	29	4.85	4%	0
033.01	Salt as chloride, Potentiometric Cl (%)	0596	16.100	0.10000	14.504	0.26106	0.08657	29	6.11	6%	0
033.01	Salt as chloride, Potentiometric Cl (%)	0650	16.250	0.06000	14.504	0.26106	0.08657	29	6.69	6%	0
033.01	Salt as chloride, Potentiometric Cl (%)	0019	18.870	0.10000	14.504	0.26106	0.08657	29	16.73	15%	0
033.01	Salt as chloride, Potentiometric Cl (%)	0098	14.165	0.47000	14.504	0.26106	0.08657	29	-1.30	1%	1
033.03	Salt as chloride, Quantab (%)	0848	9.4500	0.40000	14.102	1.1188	0.37500	6	-4.16	16%	0
033.03	Salt as chloride, Quantab (%)	0505	13.190	0.12000	14.102	1.1188	0.37500	6	-0.81	3%	0
033.03	Salt as chloride, Quantab (%)	0265	14.240	0.00000	14.102	1.1188	0.37500	6	0.12	0%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
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033.03	Salt as chloride, Quantab (%)	0014	14.350	0.10000	14.102	1.1188	0.37500	6	0.22	1%	0
033.03	Salt as chloride, Quantab (%)	0726	14.565	0.63000	14.102	1.1188	0.37500	6	0.41	2%	0
033.03	Salt as chloride, Quantab (%)	0190	15.500	1.0000	14.102	1.1188	0.37500	6	1.25	5%	0
033.05	Salt as chloride, Ion-selective electrode (%)	0004	14.085	0.09000	14.677	0.86518	0.25000	5	-0.68	2%	0
033.05	Salt as chloride, Ion-selective electrode (%)	0937	14.180	0.02000	14.677	0.86518	0.25000	5	-0.57	2%	0
033.05	Salt as chloride, Ion-selective electrode (%)	0171	14.450	0.50000	14.677	0.86518	0.25000	5	-0.26	1%	0
033.05	Salt as chloride, Ion-selective electrode (%)	0689	14.475	0.21000	14.677	0.86518	0.25000	5	-0.23	1%	0
033.05	Salt as chloride, Ion-selective electrode (%)	2043	16.195	0.43000	14.677	0.86518	0.25000	5	1.75	5%	0
033.99	Salt, Miscellaneous (%)	0619	12.000	0.00000	14.508	1.0775	0.25967	6	-2.33	9%	0
033.99	Salt, Miscellaneous (%)	0673	14.250	0.10000	14.508	1.0775	0.25967	6	-0.24	1%	0
033.99	Salt, Miscellaneous (%)	0904	14.310	0.32000	14.508	1.0775	0.25967	6	-0.18	1%	0
033.99	Salt, Miscellaneous (%)	0027	14.371	0.24800	14.508	1.0775	0.25967	6	-0.13	0%	0
033.99	Salt, Miscellaneous (%)	0358	15.435	0.79000	14.508	1.0775	0.25967	6	0.86	3%	0
033.99	Salt, Miscellaneous (%)	0208	15.850	0.10000	14.508	1.0775	0.25967	6	1.25	5%	0
034.01	Selenium, Fluorometer (mg / kg (ppm))	0038	17.435	0.17000			0.17000	1			
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0164	17.000	0.00000	18.207	0.96615	0.47800	5	-1.25	3%	0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0939	17.695	1.3300	18.207	0.96615	0.47800	5	-0.53	1%	0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0171	18.130	0.48000	18.207	0.96615	0.47800	5	-0.08	0%	0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0610	18.660	0.50000	18.207	0.96615	0.47800	5	0.47	1%	0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0169	19.550	0.08000	18.207	0.96615	0.47800	5	1.39	4%	0
034.34	Selenium, AAS, Graphite furnace (mg / kg (ppm))	0904	83.500	20.900			20.900	1			
034.41	Selenium, ICP, Dry ash (mg / kg (ppm))	0619	7.0350	0.15000	7.0553	0.02864	0.31400	2	-0.71	0%	0
034.41	Selenium, ICP, Dry ash (mg / kg (ppm))	0011	7.0755	0.47800	7.0553	0.02864	0.31400	2	0.71	0%	0
034.42	Selenium, ICP, Open vessel (mg / kg (ppm))	0187	5.6650	0.05000	9.8275	5.8867	0.88500	2	-0.71	21%	0
034.42	Selenium, ICP, Open vessel (mg / kg (ppm))	0693	13.990	1.7200	9.8275	5.8867	0.88500	2	0.71	21%	0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	0033	14.800	1.0000	16.600	1.8009	0.36860	5	-1.00	5%	0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	0036	15.400	0.40000	16.600	1.8009	0.36860	5	-0.67	4%	0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	0964	16.357	0.03800	16.600	1.8009	0.36860	5	-0.13	1%	0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	0629	17.000	0.00000	16.600	1.8009	0.36860	5	0.22	1%	0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	0027	19.442	0.40500	16.600	1.8009	0.36860	5	1.58	9%	0
034.52	Selenium, ICP-MS, Open vessel (mg / kg (ppm))	0910	16.260	1.4000	18.070	1.6531	1.1667	3	-1.09	5%	0
034.52	Selenium, ICP-MS, Open vessel (mg / kg (ppm))	0047	18.450	1.1000	18.070	1.6531	1.1667	3	0.23	1%	0
034.52	Selenium, ICP-MS, Open vessel (mg / kg (ppm))	0555	19.500	1.0000	18.070	1.6531	1.1667	3	0.87	4%	0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0918	16.174	1.6540	17.965	1.3284	1.0948	5	-1.35	5%	0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0098	17.315	0.97000	17.965	1.3284	1.0948	5	-0.49	2%	0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	2023	18.000	1.0000	17.965	1.3284	1.0948	5	0.03	0%	0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0553	18.650	0.30000	17.965	1.3284	1.0948	5	0.52	2%	0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0168	19.685	1.5500	17.965	1.3284	1.0948	5	1.29	5%	0
034.99	Selenium, Miscellaneous (mg / kg (ppm))	0190	4.3750	0.19000	6.9125	3.5886	0.54500	2	-0.71	18%	0
034.99	Selenium, Miscellaneous (mg / kg (ppm))	0555	9.4500	0.90000	6.9125	3.5886	0.54500	2	0.71	18%	0
035.01	Sodium, Ion-selective electrode (%)	2006	5.4580	0.12200	5.4830	0.03536	0.07400	2	-0.71	0%	0
035.01	Sodium, Ion-selective electrode (%)	0138	5.5080	0.02600	5.4830	0.03536	0.07400	2	0.71	0%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCCO CS Z Score	Threshold %RSD	Flag
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035.05	Sodium, Flame Emission (%)	0152	0.00000	0.00000	2.9783	2.9901	0.06333	3	-1.00	50%	0
035.05	Sodium, Flame Emission (%)	0108	2.9550	0.13000	2.9783	2.9901	0.06333	3	-0.01	0%	0
035.05	Sodium, Flame Emission (%)	0337	5.9800	0.06000	2.9783	2.9901	0.06333	3	1.00	50%	0
035.31	Sodium, AAS, Dry ash (%)	0946	4.2198	0.05430	5.5439	0.34210	0.06989	16	-3.87	12%	0
035.31	Sodium, AAS, Dry ash (%)	0921	5.0740	0.00000	5.5439	0.34210	0.06989	16	-1.37	4%	0
035.31	Sodium, AAS, Dry ash (%)	0939	5.2850	0.01000	5.5439	0.34210	0.06989	16	-0.76	2%	0
035.31	Sodium, AAS, Dry ash (%)	2080	5.3185	0.02300	5.5439	0.34210	0.06989	16	-0.66	2%	0
035.31	Sodium, AAS, Dry ash (%)	0505	5.3600	0.04000	5.5439	0.34210	0.06989	16	-0.54	2%	0
035.31	Sodium, AAS, Dry ash (%)	0904	5.3750	0.01000	5.5439	0.34210	0.06989	16	-0.49	2%	0
035.31	Sodium, AAS, Dry ash (%)	0948	5.4850	0.11000	5.5439	0.34210	0.06989	16	-0.17	1%	0
035.31	Sodium, AAS, Dry ash (%)	0673	5.5000	0.00000	5.5439	0.34210	0.06989	16	-0.13	0%	0
035.31	Sodium, AAS, Dry ash (%)	0638	5.5300	0.00000	5.5439	0.34210	0.06989	16	-0.04	0%	0
035.31	Sodium, AAS, Dry ash (%)	0683	5.5350	0.29000	5.5439	0.34210	0.06989	16	-0.03	0%	0
035.31	Sodium, AAS, Dry ash (%)	0689	5.6600	0.12000	5.5439	0.34210	0.06989	16	0.34	1%	0
035.31	Sodium, AAS, Dry ash (%)	0038	5.7900	0.02000	5.5439	0.34210	0.06989	16	0.72	2%	0
035.31	Sodium, AAS, Dry ash (%)	0178	5.8605	0.02100	5.5439	0.34210	0.06989	16	0.93	3%	0
035.31	Sodium, AAS, Dry ash (%)	0650	5.9100	0.16000	5.5439	0.34210	0.06989	16	1.07	3%	0
035.31	Sodium, AAS, Dry ash (%)	0354	6.0300	0.06000	5.5439	0.34210	0.06989	16	1.42	4%	0
035.31	Sodium, AAS, Dry ash (%)	0208	6.0500	0.20000	5.5439	0.34210	0.06989	16	1.48	5%	0
035.31	Sodium, AAS, Dry ash (%)	0596	5.7450	0.59000	5.5439	0.34210	0.06989	16	0.59	2%	1
035.32	Sodium, AAS, Open vessel (%)	0609	7.6450	0.21000			0.21000	1			
035.41	Sodium, ICP, Dry ash (%)	0511	4.0600	0.02000	5.6128	0.40032	0.15226	27	-3.88	14%	0
035.41	Sodium, ICP, Dry ash (%)	0011	4.4394	0.00190	5.6128	0.40032	0.15226	27	-2.93	10%	0
035.41	Sodium, ICP, Dry ash (%)	0910	5.1100	0.48000	5.6128	0.40032	0.15226	27	-1.26	4%	0
035.41	Sodium, ICP, Dry ash (%)	0598	5.1450	0.09200	5.6128	0.40032	0.15226	27	-1.17	4%	0
035.41	Sodium, ICP, Dry ash (%)	0144	5.2000	0.10000	5.6128	0.40032	0.15226	27	-1.03	4%	0
035.41	Sodium, ICP, Dry ash (%)	2004	5.2200	0.04000	5.6128	0.40032	0.15226	27	-0.98	3%	0
035.41	Sodium, ICP, Dry ash (%)	2023	5.3200	0.36000	5.6128	0.40032	0.15226	27	-0.73	3%	0
035.41	Sodium, ICP, Dry ash (%)	0695	5.3250	0.07000	5.6128	0.40032	0.15226	27	-0.72	3%	0
035.41	Sodium, ICP, Dry ash (%)	0171	5.4100	0.22000	5.6128	0.40032	0.15226	27	-0.51	2%	0
035.41	Sodium, ICP, Dry ash (%)	0878	5.5000	0.20000	5.6128	0.40032	0.15226	27	-0.28	1%	0
035.41	Sodium, ICP, Dry ash (%)	0964	5.5003	0.04010	5.6128	0.40032	0.15226	27	-0.28	1%	0
035.41	Sodium, ICP, Dry ash (%)	0049	5.5800	0.14000	5.6128	0.40032	0.15226	27	-0.08	0%	0
035.41	Sodium, ICP, Dry ash (%)	0164	5.6200	0.20000	5.6128	0.40032	0.15226	27	0.02	0%	0
035.41	Sodium, ICP, Dry ash (%)	0300	5.6255	0.22700	5.6128	0.40032	0.15226	27	0.03	0%	0
035.41	Sodium, ICP, Dry ash (%)	0148	5.6730	0.03200	5.6128	0.40032	0.15226	27	0.15	1%	0
035.41	Sodium, ICP, Dry ash (%)	0619	5.7400	0.10000	5.6128	0.40032	0.15226	27	0.32	1%	0
035.41	Sodium, ICP, Dry ash (%)	0004	5.7900	0.28000	5.6128	0.40032	0.15226	27	0.44	2%	0
035.41	Sodium, ICP, Dry ash (%)	0229	5.8350	0.03000	5.6128	0.40032	0.15226	27	0.56	2%	0
035.41	Sodium, ICP, Dry ash (%)	0413	5.8350	0.27000	5.6128	0.40032	0.15226	27	0.56	2%	0
035.41	Sodium, ICP, Dry ash (%)	0520	5.8370	0.36800	5.6128	0.40032	0.15226	27	0.56	2%	0
035.41	Sodium, ICP, Dry ash (%)	0083	5.9350	0.05000	5.6128	0.40032	0.15226	27	0.80	3%	0



Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
035.41	Sodium, ICP, Dry ash (%)	0226	5.9850	0.17000	5.6128	0.40032	0.15226	27	0.93	3%	0
035.41	Sodium, ICP, Dry ash (%)	0720	6.0000	0.04000	5.6128	0.40032	0.15226	27	0.97	3%	0
035.41	Sodium, ICP, Dry ash (%)	0682	6.0200	0.00000	5.6128	0.40032	0.15226	27	1.02	4%	0
035.41	Sodium, ICP, Dry ash (%)	0358	6.0750	0.31000	5.6128	0.40032	0.15226	27	1.15	4%	0
035.41	Sodium, ICP, Dry ash (%)	0407	6.1000	0.24000	5.6128	0.40032	0.15226	27	1.22	4%	0
035.41	Sodium, ICP, Dry ash (%)	0208	6.1390	0.03000	5.6128	0.40032	0.15226	27	1.31	5%	0
035.42	Sodium, ICP, Open vessel (%)	0042	4.9750	0.17000	5.6520	0.33057	0.13099	16	-2.05	6%	0
035.42	Sodium, ICP, Open vessel (%)	0870	5.2300	0.05800	5.6520	0.33057	0.13099	16	-1.28	4%	0
035.42	Sodium, ICP, Open vessel (%)	0693	5.3900	0.28000	5.6520	0.33057	0.13099	16	-0.79	2%	0
035.42	Sodium, ICP, Open vessel (%)	0035	5.4055	0.00900	5.6520	0.33057	0.13099	16	-0.75	2%	0
035.42	Sodium, ICP, Open vessel (%)	2012	5.4650	0.01000	5.6520	0.33057	0.13099	16	-0.57	2%	0
035.42	Sodium, ICP, Open vessel (%)	0186	5.5200	0.02000	5.6520	0.33057	0.13099	16	-0.40	1%	0
035.42	Sodium, ICP, Open vessel (%)	0205	5.5200	0.08000	5.6520	0.33057	0.13099	16	-0.40	1%	0
035.42	Sodium, ICP, Open vessel (%)	0045	5.6500	0.02000	5.6520	0.33057	0.13099	16	-0.01	0%	0
035.42	Sodium, ICP, Open vessel (%)	0278	5.6500	0.04000	5.6520	0.33057	0.13099	16	-0.01	0%	0
035.42	Sodium, ICP, Open vessel (%)	0726	5.7230	0.01400	5.6520	0.33057	0.13099	16	0.21	1%	0
035.42	Sodium, ICP, Open vessel (%)	0294	5.7400	0.00000	5.6520	0.33057	0.13099	16	0.27	1%	0
035.42	Sodium, ICP, Open vessel (%)	0692	5.8150	0.17000	5.6520	0.33057	0.13099	16	0.49	1%	0
035.42	Sodium, ICP, Open vessel (%)	0265	5.9300	0.06000	5.6520	0.33057	0.13099	16	0.84	2%	0
035.42	Sodium, ICP, Open vessel (%)	0190	5.9650	0.03000	5.6520	0.33057	0.13099	16	0.95	3%	0
035.42	Sodium, ICP, Open vessel (%)	0560	6.6347	0.53480	5.6520	0.33057	0.13099	16	2.97	9%	0
035.42	Sodium, ICP, Open vessel (%)	0555	7.0000	0.60000	5.6520	0.33057	0.13099	16	4.08	12%	0
035.43	Sodium, ICP, Microwave (%)	0675	4.3900	0.04000	5.3614	0.48809	0.10478	14	-1.99	9%	0
035.43	Sodium, ICP, Microwave (%)	0510	4.7560	0.05800	5.3614	0.48809	0.10478	14	-1.24	6%	0
035.43	Sodium, ICP, Microwave (%)	0027	4.7695	0.01500	5.3614	0.48809	0.10478	14	-1.21	6%	0
035.43	Sodium, ICP, Microwave (%)	0629	4.9200	0.00000	5.3614	0.48809	0.10478	14	-0.90	4%	0
035.43	Sodium, ICP, Microwave (%)	0918	5.0075	0.07300	5.3614	0.48809	0.10478	14	-0.72	3%	0
035.43	Sodium, ICP, Microwave (%)	0098	5.3700	0.04000	5.3614	0.48809	0.10478	14	0.02	0%	0
035.43	Sodium, ICP, Microwave (%)	0345	5.4800	0.02000	5.3614	0.48809	0.10478	14	0.24	1%	0
035.43	Sodium, ICP, Microwave (%)	0668	5.4900	0.40000	5.3614	0.48809	0.10478	14	0.26	1%	0
035.43	Sodium, ICP, Microwave (%)	0008	5.5600	0.26000	5.3614	0.48809	0.10478	14	0.41	2%	0
035.43	Sodium, ICP, Microwave (%)	0964	5.7091	0.08090	5.3614	0.48809	0.10478	14	0.71	3%	0
035.43	Sodium, ICP, Microwave (%)	0038	5.7550	0.03000	5.3614	0.48809	0.10478	14	0.81	4%	0
035.43	Sodium, ICP, Microwave (%)	0353	5.7650	0.15000	5.3614	0.48809	0.10478	14	0.83	4%	0
035.43	Sodium, ICP, Microwave (%)	0425	5.8600	0.06000	5.3614	0.48809	0.10478	14	1.02	5%	0
035.43	Sodium, ICP, Microwave (%)	0297	5.8600	0.24000	5.3614	0.48809	0.10478	14	1.02	5%	0
035.53	Sodium, ICP-MS, Microwave (%)	0572	5.6140	0.25400			0.25400	1			
035.99	Sodium, Miscellaneous (%)	0242	5.2050	0.09000	8.2588	5.2033	0.09250	4	-0.59	18%	0
035.99	Sodium, Miscellaneous (%)	0889	5.6000	0.16000	8.2588	5.2033	0.09250	4	-0.51	16%	0
035.99	Sodium, Miscellaneous (%)	0100	6.1900	0.12000	8.2588	5.2033	0.09250	4	-0.40	13%	0
035.99	Sodium, Miscellaneous (%)	0940	16.040	0.00000	8.2588	5.2033	0.09250	4	1.50	47%	0
036.00	Sulfur, Gravimetric (%)	0505	1.8850	0.01000			0.01000	1			

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
036.04	Sulfur, LECO (%)	0168	0.77810	0.04680	1.2483	0.41449	0.02420	4	-1.13	19%	0
036.04	Sulfur, LECO (%)	0610	1.0250	0.01000	1.2483	0.41449	0.02420	4	-0.54	9%	0
036.04	Sulfur, LECO (%)	0226	1.5500	0.02000	1.2483	0.41449	0.02420	4	0.73	12%	0
036.04	Sulfur, LECO (%)	0098	1.6400	0.02000	1.2483	0.41449	0.02420	4	0.95	16%	0
036.42	Sulfur, ICP, Open vessel (%)	0045	1.5300	0.12000	1.7487	0.18456	0.04293	19	-1.18	6%	0
036.42	Sulfur, ICP, Open vessel (%)	0910	1.5305	0.03520	1.7487	0.18456	0.04293	19	-1.18	6%	0
036.42	Sulfur, ICP, Open vessel (%)	0693	1.5350	0.05000	1.7487	0.18456	0.04293	19	-1.16	6%	0
036.42	Sulfur, ICP, Open vessel (%)	2012	1.5500	0.04000	1.7487	0.18456	0.04293	19	-1.08	6%	0
036.42	Sulfur, ICP, Open vessel (%)	0870	1.6050	0.02000	1.7487	0.18456	0.04293	19	-0.78	4%	0
036.42	Sulfur, ICP, Open vessel (%)	0265	1.6100	0.08000	1.7487	0.18456	0.04293	19	-0.75	4%	0
036.42	Sulfur, ICP, Open vessel (%)	0357	1.6950	0.01000	1.7487	0.18456	0.04293	19	-0.29	2%	0
036.42	Sulfur, ICP, Open vessel (%)	0164	1.7050	0.01000	1.7487	0.18456	0.04293	19	-0.24	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0294	1.7150	0.01000	1.7487	0.18456	0.04293	19	-0.18	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0171	1.7500	0.04000	1.7487	0.18456	0.04293	19	0.01	0%	0
036.42	Sulfur, ICP, Open vessel (%)	0555	1.7500	0.10000	1.7487	0.18456	0.04293	19	0.01	0%	0
036.42	Sulfur, ICP, Open vessel (%)	0619	1.8150	0.03000	1.7487	0.18456	0.04293	19	0.36	2%	0
036.42	Sulfur, ICP, Open vessel (%)	0726	1.8155	0.00500	1.7487	0.18456	0.04293	19	0.36	2%	0
036.42	Sulfur, ICP, Open vessel (%)	0186	1.8200	0.00000	1.7487	0.18456	0.04293	19	0.39	2%	0
036.42	Sulfur, ICP, Open vessel (%)	0278	1.9000	0.06000	1.7487	0.18456	0.04293	19	0.82	4%	0
036.42	Sulfur, ICP, Open vessel (%)	0560	1.9044	0.09640	1.7487	0.18456	0.04293	19	0.84	4%	0
036.42	Sulfur, ICP, Open vessel (%)	0708	1.9550	0.05000	1.7487	0.18456	0.04293	19	1.12	6%	0
036.42	Sulfur, ICP, Open vessel (%)	0187	2.0135	0.01900	1.7487	0.18456	0.04293	19	1.44	8%	0
036.42	Sulfur, ICP, Open vessel (%)	0407	2.2600	0.04000	1.7487	0.18456	0.04293	19	2.77	15%	0
036.43	Sulfur, ICP, Microwave (%)	0629	1.6500	0.02000	1.7134	0.06059	0.04100	9	-1.05	2%	0
036.43	Sulfur, ICP, Microwave (%)	0918	1.6505	0.00900	1.7134	0.06059	0.04100	9	-1.04	2%	0
036.43	Sulfur, ICP, Microwave (%)	0510	1.6650	0.03000	1.7134	0.06059	0.04100	9	-0.80	1%	0
036.43	Sulfur, ICP, Microwave (%)	0353	1.6850	0.07000	1.7134	0.06059	0.04100	9	-0.47	1%	0
036.43	Sulfur, ICP, Microwave (%)	0038	1.7200	0.02000	1.7134	0.06059	0.04100	9	0.11	0%	0
036.43	Sulfur, ICP, Microwave (%)	0345	1.7300	0.04000	1.7134	0.06059	0.04100	9	0.27	0%	0
036.43	Sulfur, ICP, Microwave (%)	0169	1.7550	0.13000	1.7134	0.06059	0.04100	9	0.69	1%	0
036.43	Sulfur, ICP, Microwave (%)	0098	1.7750	0.01000	1.7134	0.06059	0.04100	9	1.02	2%	0
036.43	Sulfur, ICP, Microwave (%)	0297	1.7900	0.04000	1.7134	0.06059	0.04100	9	1.26	2%	0
036.99	Sulfur, Miscellaneous (%)	0889	1.4950	0.03000	1.6910	0.16996	0.01023	3	-1.15	6%	0
036.99	Sulfur, Miscellaneous (%)	0242	1.7800	0.00000	1.6910	0.16996	0.01023	3	0.52	3%	0
036.99	Sulfur, Miscellaneous (%)	0011	1.7980	0.00070	1.6910	0.16996	0.01023	3	0.63	3%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0354	2,387.6	25.250	3,088.5	125.81	70.795	18	-5.57	11%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0946	2,809.4	59.308	3,088.5	125.81	70.795	18	-2.22	5%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0001	2,944.0	62.000	3,088.5	125.81	70.795	18	-1.15	2%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0014	2,978.5	123.00	3,088.5	125.81	70.795	18	-0.87	2%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0178	3,006.5	21.000	3,088.5	125.81	70.795	18	-0.65	1%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0904	3,016.0	62.550	3,088.5	125.81	70.795	18	-0.58	1%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0673	3,050.0	100.00	3,088.5	125.81	70.795	18	-0.31	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	2022	3,072.8	21.700	3,088.5	125.81	70.795	18	-0.13	0%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0638	3,094.0	12.000	3,088.5	125.81	70.795	18	0.04	0%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0596	3,105.7	377.54	3,088.5	125.81	70.795	18	0.14	0%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0175	3,150.0	100.00	3,088.5	125.81	70.795	18	0.49	1%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0066	3,154.5	57.000	3,088.5	125.81	70.795	18	0.52	1%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0939	3,161.2	27.570	3,088.5	125.81	70.795	18	0.58	1%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0723	3,161.2	0.00000	3,088.5	125.81	70.795	18	0.58	1%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0689	3,195.5	99.000	3,088.5	125.81	70.795	18	0.85	2%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	2042	3,216.5	1.0000	3,088.5	125.81	70.795	18	1.02	2%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0505	3,230.0	60.000	3,088.5	125.81	70.795	18	1.12	2%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	2067	3,251.7	65.395	3,088.5	125.81	70.795	18	1.30	3%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0208	3,550.0	740.00	3,088.5	125.81	70.795	18	3.67	7%	1
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0590	0.33500	0.01000	3,088.5	125.81	70.795	18	-24.55	50%	2
037.32	Zinc, AAS, Open vessel (mg / kg (ppm))	0609	2,879.0	46.000	3,224.6	268.47	46.750	4	-1.29	5%	0
037.32	Zinc, AAS, Open vessel (mg / kg (ppm))	0010	3,145.0	90.000	3,224.6	268.47	46.750	4	-0.30	1%	0
037.32	Zinc, AAS, Open vessel (mg / kg (ppm))	0038	3,434.5	1.0000	3,224.6	268.47	46.750	4	0.78	3%	0
037.32	Zinc, AAS, Open vessel (mg / kg (ppm))	0612	3,440.0	50.000	3,224.6	268.47	46.750	4	0.80	3%	0
037.33	Zinc, AAS, Microwave (mg / kg (ppm))	0948	3,162.2	15.050	3,416.5	359.65	26.485	2	-0.71	4%	0
037.33	Zinc, AAS, Microwave (mg / kg (ppm))	2018	3,670.8	37.920	3,416.5	359.65	26.485	2	0.71	4%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0695	2,797.3	83.800	3,135.4	246.72	98.314	27	-1.37	5%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0049	2,802.0	144.73	3,135.4	246.72	98.314	27	-1.35	5%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0878	2,850.0	500.00	3,135.4	246.72	98.314	27	-1.16	5%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0300	2,873.2	27.843	3,135.4	246.72	98.314	27	-1.06	4%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0610	2,894.0	2.0000	3,135.4	246.72	98.314	27	-0.98	4%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0407	2,895.0	114.00	3,135.4	246.72	98.314	27	-0.97	4%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0358	2,928.1	36.410	3,135.4	246.72	98.314	27	-0.84	3%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0598	2,973.0	14.000	3,135.4	246.72	98.314	27	-0.66	3%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0148	3,020.5	5.0000	3,135.4	246.72	98.314	27	-0.47	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0520	3,031.5	97.000	3,135.4	246.72	98.314	27	-0.42	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0511	3,093.0	142.00	3,135.4	246.72	98.314	27	-0.17	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0164	3,110.0	20.000	3,135.4	246.72	98.314	27	-0.10	0%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0619	3,125.5	53.000	3,135.4	246.72	98.314	27	-0.04	0%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0171	3,135.0	130.00	3,135.4	246.72	98.314	27	0.00	0%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0910	3,146.5	279.00	3,135.4	246.72	98.314	27	0.05	0%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0074	3,148.5	15.000	3,135.4	246.72	98.314	27	0.05	0%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0964	3,178.3	75.000	3,135.4	246.72	98.314	27	0.17	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0848	3,207.3	5.9800	3,135.4	246.72	98.314	27	0.29	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0004	3,235.5	553.00	3,135.4	246.72	98.314	27	0.41	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0229	3,291.5	13.000	3,135.4	246.72	98.314	27	0.63	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0011	3,297.8	0.50000	3,135.4	246.72	98.314	27	0.66	3%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0208	3,339.0	32.000	3,135.4	246.72	98.314	27	0.83	3%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0226	3,341.0	28.000	3,135.4	246.72	98.314	27	0.83	3%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0553	3,450.0	160.00	3,135.4	246.72	98.314	27	1.28	5%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0083	3,538.0	42.000	3,135.4	246.72	98.314	27	1.63	6%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0720	3,625.6	81.204	3,135.4	246.72	98.314	27	1.99	8%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0682	3,664.0	0.00000	3,135.4	246.72	98.314	27	2.14	8%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0019	3,233.5	713.00	3,135.4	246.72	98.314	27	0.40	2%	1
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0186	2,041.5	33.000	3,158.1	486.28	129.82	17	-2.30	18%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0870	2,491.5	57.000	3,158.1	486.28	129.82	17	-1.37	11%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0042	2,606.0	504.00	3,158.1	486.28	129.82	17	-1.14	9%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0190	2,629.8	32.330	3,158.1	486.28	129.82	17	-1.09	8%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0294	2,897.7	30.560	3,158.1	486.28	129.82	17	-0.54	4%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0035	2,990.5	23.000	3,158.1	486.28	129.82	17	-0.34	3%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0693	3,031.5	271.00	3,158.1	486.28	129.82	17	-0.26	2%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0555	3,050.0	100.00	3,158.1	486.28	129.82	17	-0.22	2%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0357	3,222.5	13.000	3,158.1	486.28	129.82	17	0.13	1%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0187	3,237.9	30.130	3,158.1	486.28	129.82	17	0.16	1%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	2012	3,340.1	89.830	3,158.1	486.28	129.82	17	0.37	3%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0413	3,440.0	0.00000	3,158.1	486.28	129.82	17	0.58	4%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0045	3,550.0	60.000	3,158.1	486.28	129.82	17	0.81	6%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0726	3,633.5	81.000	3,158.1	486.28	129.82	17	0.98	8%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0265	3,658.5	455.00	3,158.1	486.28	129.82	17	1.03	8%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0560	3,696.0	217.10	3,158.1	486.28	129.82	17	1.11	9%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0692	3,715.0	210.00	3,158.1	486.28	129.82	17	1.15	9%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0168	2,805.5	65.000	3,165.9	215.82	83.033	21	-1.67	6%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0918	2,874.4	75.220	3,165.9	215.82	83.033	21	-1.35	5%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0668	2,890.0	140.00	3,165.9	215.82	83.033	21	-1.28	4%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0033	2,905.0	370.00	3,165.9	215.82	83.033	21	-1.21	4%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0345	2,975.0	30.000	3,165.9	215.82	83.033	21	-0.88	3%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0510	3,030.0	40.000	3,165.9	215.82	83.033	21	-0.63	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0036	3,071.0	23.000	3,165.9	215.82	83.033	21	-0.44	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0629	3,080.0	0.00000	3,165.9	215.82	83.033	21	-0.40	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0675	3,137.9	84.950	3,165.9	215.82	83.033	21	-0.13	0%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0027	3,171.6	53.230	3,165.9	215.82	83.033	21	0.03	0%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0028	3,178.5	73.000	3,165.9	215.82	83.033	21	0.06	0%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0297	3,219.5	55.000	3,165.9	215.82	83.033	21	0.25	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0008	3,260.0	40.000	3,165.9	215.82	83.033	21	0.44	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0169	3,265.0	190.00	3,165.9	215.82	83.033	21	0.46	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0964	3,278.2	210.30	3,165.9	215.82	83.033	21	0.52	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0037	3,315.5	25.000	3,165.9	215.82	83.033	21	0.69	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0098	3,321.5	45.000	3,165.9	215.82	83.033	21	0.72	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0425	3,366.5	3.0000	3,165.9	215.82	83.033	21	0.93	3%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0968	3,391.5	3.0000	3,165.9	215.82	83.033	21	1.05	4%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2023	3,425.0	150.00	3,165.9	215.82	83.033	21	1.20	4%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0353	3,467.0	68.000	3,165.9	215.82	83.033	21	1.40	5%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0038	3,722.5	435.00	3,165.9	215.82	83.033	21	2.58	9%	1
037.44	Zinc, ICP, Dry ash (mg / kg (ppm))	2004	3,210.0	40.000			40.000	1			
037.52	Zinc, ICP-MS, Open vessel (mg / kg (ppm))	0555	2,836.5	127.00	2,957.8	171.51	95.850	2	-0.71	2%	0
037.52	Zinc, ICP-MS, Open vessel (mg / kg (ppm))	0047	3,079.1	64.700	2,957.8	171.51	95.850	2	0.71	2%	0
037.53	Zinc, ICP-MS, Microwave (mg / kg (ppm))	0572	3,198.5	109.00			109.00	1			
037.99	Zinc, Miscellaneous (mg / kg (ppm))	0889	2,962.0	152.00	3,172.3	183.42	86.000	3	-1.15	3%	0
037.99	Zinc, Miscellaneous (mg / kg (ppm))	0242	3,256.0	100.00	3,172.3	183.42	86.000	3	0.46	1%	0
037.99	Zinc, Miscellaneous (mg / kg (ppm))	0100	3,299.0	6.0000	3,172.3	183.42	86.000	3	0.69	2%	0
038.34	Molybdenum, AAS, Graphite furnace (mg / kg (ppm))	0610	8.1600	0.26000			0.26000	1			
038.41	Molybdenum, ICP, Dry ash (mg / kg (ppm))	0964	5.2943	0.81420	13.535	13.828	0.57823	3	-0.60	30%	0
038.41	Molybdenum, ICP, Dry ash (mg / kg (ppm))	0011	5.8113	0.32050	13.535	13.828	0.57823	3	-0.56	29%	0
038.41	Molybdenum, ICP, Dry ash (mg / kg (ppm))	0171	29.500	0.60000	13.535	13.828	0.57823	3	1.15	59%	0
038.42	Molybdenum, ICP, Open vessel (mg / kg (ppm))	0693	3.8900	0.14000	6.6067	2.8092	1.3200	3	-0.97	21%	0
038.42	Molybdenum, ICP, Open vessel (mg / kg (ppm))	0278	6.4300	0.82000	6.6067	2.8092	1.3200	3	-0.06	1%	0
038.42	Molybdenum, ICP, Open vessel (mg / kg (ppm))	0555	9.5000	3.0000	6.6067	2.8092	1.3200	3	1.03	22%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0629	4.6500	0.00000	5.7047	0.69426	0.41103	9	-1.52	9%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0168	4.9825	1.2750	5.7047	0.69426	0.41103	9	-1.04	6%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0169	5.4000	0.52000	5.7047	0.69426	0.41103	9	-0.44	3%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0345	5.4250	0.23000	5.7047	0.69426	0.41103	9	-0.40	2%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0510	5.7000	0.20000	5.7047	0.69426	0.41103	9	-0.01	0%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0964	5.9048	0.73430	5.7047	0.69426	0.41103	9	0.29	2%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0038	6.1000	0.20000	5.7047	0.69426	0.41103	9	0.57	3%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0027	6.4300	0.36000	5.7047	0.69426	0.41103	9	1.04	6%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0297	8.8700	0.18000	5.7047	0.69426	0.41103	9	4.56	28%	0
038.52	Molybdenum, ICP-MS, Open vessel (mg / kg (ppm))	0555	5.8500	0.30000	6.3725	0.73893	0.17500	2	-0.71	4%	0
038.52	Molybdenum, ICP-MS, Open vessel (mg / kg (ppm))	0910	6.8950	0.05000	6.3725	0.73893	0.17500	2	0.71	4%	0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	0098	4.7475	0.47300	6.2553	0.95864	0.35910	5	-1.57	12%	0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	0553	6.0850	0.31000	6.2553	0.95864	0.35910	5	-0.18	1%	0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	0033	6.4350	0.31000	6.2553	0.95864	0.35910	5	0.19	1%	0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	0918	6.6742	0.09250	6.2553	0.95864	0.35910	5	0.44	3%	0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	2023	7.3350	0.61000	6.2553	0.95864	0.35910	5	1.13	9%	0
040.52	Barium, ICP-MS, Open vessel (mg / kg (ppm))	0555	11.000	0.00000			0.00000	1			
040.53	Barium, ICP-MS, Microwave (mg / kg (ppm))	0918	12.730	1.1343			1.1343	1			
041.41	Vanadium, ICP, Dry ash (mg / kg (ppm))	0619	42.400	0.20000			0.20000	1			
041.43	Vanadium, ICP, Microwave (mg / kg (ppm))	0629	54.500	0.00000			0.00000	1			
041.53	Vanadium, ICP-MS, Microwave (mg / kg (ppm))	0553	60.150	4.1000			4.1000	1			
042.00	Chloride, Titrimetric (%)	0297	8.7700	0.02000	8.8675	0.13789	0.01500	2	-0.71	1%	0
042.00	Chloride, Titrimetric (%)	2012	8.9650	0.01000	8.8675	0.13789	0.01500	2	0.71	1%	0
101.01	Choline Chloride, Chem (mg / kg (ppm))	2004	728.00	34.000			34.000	1			
101.02	Choline Chloride, LC (mg / kg (ppm))	0227	1,260.0	80.000	14,755	19,085	190.00	2	-0.71	46%	0
101.02	Choline Chloride, LC (mg / kg (ppm))	0904	28,250	300.00	14,755	19,085	190.00	2	0.71	46%	0

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102.00	Niacin, Chem (mg / kg (ppm))	0904	30.480	0.20000			0.20000	1			
102.01	Niacin, Microbiological (mg / kg (ppm))	0227	72.500	7.4000			7.4000	1			
102.02	Niacin, LC (mg / kg (ppm))	2022	941.00	24.000			24.000	1			
103.01	Pantothenic Acid, Microbiological (mg / kg (ppm))	0227	100.70	8.6000			8.6000	1			
103.99	Pantothenic Acid, Miscellaneous (mg / kg (ppm))	0904	120.34	2.0400			2.0400	1			
104.00	Riboflavin, Fluorometric (mg / kg (ppm))	0227	21.200	0.00000	24.975	5.3387	0.05000	2	-0.71	8%	0
104.00	Riboflavin, Fluorometric (mg / kg (ppm))	0171	28.750	0.10000	24.975	5.3387	0.05000	2	0.71	8%	0
104.03	Riboflavin, LC (mg / kg (ppm))	2022	2.4700	0.38000	19.763	11.537	1.4450	4	-1.50	44%	0
104.03	Riboflavin, LC (mg / kg (ppm))	2023	25.000	1.4000	19.763	11.537	1.4450	4	0.45	13%	0
104.03	Riboflavin, LC (mg / kg (ppm))	0910	25.500	3.0000	19.763	11.537	1.4450	4	0.50	15%	0
104.03	Riboflavin, LC (mg / kg (ppm))	0904	26.080	1.0000	19.763	11.537	1.4450	4	0.55	16%	0
105.00	Thiamine, LC (mg / kg (ppm))	0904	90.290	0.98000	112.47	19.474	5.6727	6	-1.14	10%	0
105.00	Thiamine, LC (mg / kg (ppm))	0208	97.464	4.7160	112.47	19.474	5.6727	6	-0.77	7%	0
105.00	Thiamine, LC (mg / kg (ppm))	2022	106.70	14.240	112.47	19.474	5.6727	6	-0.30	3%	0
105.00	Thiamine, LC (mg / kg (ppm))	2023	118.85	3.1000	112.47	19.474	5.6727	6	0.33	3%	0
105.00	Thiamine, LC (mg / kg (ppm))	0910	128.00	6.0000	112.47	19.474	5.6727	6	0.80	7%	0
105.00	Thiamine, LC (mg / kg (ppm))	2053	133.50	5.0000	112.47	19.474	5.6727	6	1.08	9%	0
106.00	Vitamin A, Colorimeter (KU / kg)	0027	306.88	11.413	24,498	41,849	1,026.1	3	-0.58	49%	0
106.00	Vitamin A, Colorimeter (KU / kg)	0171	366.50	21.000	24,498	41,849	1,026.1	3	-0.58	49%	0
106.00	Vitamin A, Colorimeter (KU / kg)	0964	72,822	3,046.0	24,498	41,849	1,026.1	3	1.15	99%	0
106.01	Vitamin A, UV (KU / kg)	0098	343.00	2.0000			2.0000	1			
106.02	Vitamin A, LC (KU / kg)	2067	105.08	4.4820	333.75	72.837	19.277	25	-3.14	34%	0
106.02	Vitamin A, LC (KU / kg)	0555	205.75	0.50000	333.75	72.837	19.277	25	-1.76	19%	0
106.02	Vitamin A, LC (KU / kg)	0676	241.14	41.140	333.75	72.837	19.277	25	-1.27	14%	0
106.02	Vitamin A, LC (KU / kg)	0905	244.35	31.300	333.75	72.837	19.277	25	-1.23	13%	0
106.02	Vitamin A, LC (KU / kg)	0946	263.69	8.5682	333.75	72.837	19.277	25	-0.96	10%	0
106.02	Vitamin A, LC (KU / kg)	0008	267.78	22.910	333.75	72.837	19.277	25	-0.91	10%	0
106.02	Vitamin A, LC (KU / kg)	0610	292.50	7.0000	333.75	72.837	19.277	25	-0.57	6%	0
106.02	Vitamin A, LC (KU / kg)	0027	299.99	30.162	333.75	72.837	19.277	25	-0.46	5%	0
106.02	Vitamin A, LC (KU / kg)	0004	300.66	22.330	333.75	72.837	19.277	25	-0.45	5%	0
106.02	Vitamin A, LC (KU / kg)	0910	301.50	71.000	333.75	72.837	19.277	25	-0.44	5%	0
106.02	Vitamin A, LC (KU / kg)	2004	320.00	6.0000	333.75	72.837	19.277	25	-0.19	2%	0
106.02	Vitamin A, LC (KU / kg)	0035	330.14	6.8800	333.75	72.837	19.277	25	-0.05	1%	0
106.02	Vitamin A, LC (KU / kg)	0227	334.00	10.000	333.75	72.837	19.277	25	0.00	0%	0
106.02	Vitamin A, LC (KU / kg)	2053	335.50	15.000	333.75	72.837	19.277	25	0.02	0%	0
106.02	Vitamin A, LC (KU / kg)	2023	350.00	14.000	333.75	72.837	19.277	25	0.22	2%	0
106.02	Vitamin A, LC (KU / kg)	0638	352.65	77.100	333.75	72.837	19.277	25	0.26	3%	0
106.02	Vitamin A, LC (KU / kg)	0033	354.00	6.0000	333.75	72.837	19.277	25	0.28	3%	0
106.02	Vitamin A, LC (KU / kg)	0208	365.96	52.910	333.75	72.837	19.277	25	0.44	5%	0
106.02	Vitamin A, LC (KU / kg)	0036	370.80	2.8000	333.75	72.837	19.277	25	0.51	6%	0
106.02	Vitamin A, LC (KU / kg)	0014	403.50	19.000	333.75	72.837	19.277	25	0.96	10%	0
106.02	Vitamin A, LC (KU / kg)	0904	456.21	12.810	333.75	72.837	19.277	25	1.68	18%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
106.02	Vitamin A, LC (KU / kg)	2022	487.09	11.490	333.75	72.837	19.277	25	2.11	23%	0
106.02	Vitamin A, LC (KU / kg)	0675	574.85	0.10000	333.75	72.837	19.277	25	3.31	36%	0
106.02	Vitamin A, LC (KU / kg)	2042	602.19	7.4400	333.75	72.837	19.277	25	3.69	40%	0
106.02	Vitamin A, LC (KU / kg)	0169	631.50	1.0000	333.75	72.837	19.277	25	4.09	45%	0
107.00	Vitamin B12, Microbiological (µg / kg (ppb))	0227	165.00	4.0000			4.0000	1			
108.01	Vitamin D3, LC, AOAC (KU / kg)	2023	88.070	2.9200	101.29	18.689	1.9600	2	-0.71	7%	0
108.01	Vitamin D3, LC, AOAC (KU / kg)	0169	114.50	1.0000	101.29	18.689	1.9600	2	0.71	7%	0
108.02	Vitamin D3, LC (KU / kg)	0675	11.110	0.46000	50.710	27.740	6.7512	5	-1.43	39%	0
108.02	Vitamin D3, LC (KU / kg)	0946	38.378	1.0760	50.710	27.740	6.7512	5	-0.44	12%	0
108.02	Vitamin D3, LC (KU / kg)	0610	54.800	3.4000	50.710	27.740	6.7512	5	0.15	4%	0
108.02	Vitamin D3, LC (KU / kg)	0904	64.710	21.920	50.710	27.740	6.7512	5	0.50	14%	0
108.02	Vitamin D3, LC (KU / kg)	0227	84.550	6.9000	50.710	27.740	6.7512	5	1.22	33%	0
108.99	Vitamin D3, Miscellaneous (KU / kg)	0676	49.350	4.0540	83.450	32.266	4.9513	3	-1.06	20%	0
108.99	Vitamin D3, Miscellaneous (KU / kg)	2004	87.500	3.8000	83.450	32.266	4.9513	3	0.13	2%	0
108.99	Vitamin D3, Miscellaneous (KU / kg)	0171	113.50	7.0000	83.450	32.266	4.9513	3	0.93	18%	0
109.02	Vitamin E, LC (mg / kg (ppm))	0555	614.00	72.000	1,593.0	356.21	65.878	25	-2.75	31%	0
109.02	Vitamin E, LC (mg / kg (ppm))	2067	656.82	11.818	1,593.0	356.21	65.878	25	-2.63	29%	0
109.02	Vitamin E, LC (mg / kg (ppm))	0946	756.67	4.5570	1,593.0	356.21	65.878	25	-2.35	26%	0
109.02	Vitamin E, LC (mg / kg (ppm))	0905	864.50	103.00	1,593.0	356.21	65.878	25	-2.05	23%	0
109.02	Vitamin E, LC (mg / kg (ppm))	0955	1,198.5	17.000	1,593.0	356.21	65.878	25	-1.11	12%	0
109.02	Vitamin E, LC (mg / kg (ppm))	0676	1,228.7	128.61	1,593.0	356.21	65.878	25	-1.02	11%	0
109.02	Vitamin E, LC (mg / kg (ppm))	0008	1,291.9	149.08	1,593.0	356.21	65.878	25	-0.85	9%	0
109.02	Vitamin E, LC (mg / kg (ppm))	0610	1,345.0	130.00	1,593.0	356.21	65.878	25	-0.70	8%	0
109.02	Vitamin E, LC (mg / kg (ppm))	0208	1,444.1	154.88	1,593.0	356.21	65.878	25	-0.42	5%	0
109.02	Vitamin E, LC (mg / kg (ppm))	0027	1,477.6	15.441	1,593.0	356.21	65.878	25	-0.32	4%	0
109.02	Vitamin E, LC (mg / kg (ppm))	2053	1,535.0	50.000	1,593.0	356.21	65.878	25	-0.16	2%	0
109.02	Vitamin E, LC (mg / kg (ppm))	0910	1,546.5	91.000	1,593.0	356.21	65.878	25	-0.13	1%	0
109.02	Vitamin E, LC (mg / kg (ppm))	2023	1,699.1	127.40	1,593.0	356.21	65.878	25	0.30	3%	0
109.02	Vitamin E, LC (mg / kg (ppm))	2042	1,699.4	2.6800	1,593.0	356.21	65.878	25	0.30	3%	0
109.02	Vitamin E, LC (mg / kg (ppm))	0098	1,700.0	80.000	1,593.0	356.21	65.878	25	0.30	3%	0
109.02	Vitamin E, LC (mg / kg (ppm))	0689	1,741.0	78.000	1,593.0	356.21	65.878	25	0.42	5%	0
109.02	Vitamin E, LC (mg / kg (ppm))	0036	1,758.8	20.900	1,593.0	356.21	65.878	25	0.47	5%	0
109.02	Vitamin E, LC (mg / kg (ppm))	0227	1,800.0	180.00	1,593.0	356.21	65.878	25	0.58	6%	0
109.02	Vitamin E, LC (mg / kg (ppm))	0675	1,814.1	10.160	1,593.0	356.21	65.878	25	0.62	7%	0
109.02	Vitamin E, LC (mg / kg (ppm))	0723	1,840.6	0.00000	1,593.0	356.21	65.878	25	0.70	8%	0
109.02	Vitamin E, LC (mg / kg (ppm))	0629	1,885.0	10.000	1,593.0	356.21	65.878	25	0.82	9%	0
109.02	Vitamin E, LC (mg / kg (ppm))	0590	1,940.0	0.00000	1,593.0	356.21	65.878	25	0.97	11%	0
109.02	Vitamin E, LC (mg / kg (ppm))	0169	2,008.0	0.00000	1,593.0	356.21	65.878	25	1.17	13%	0
109.02	Vitamin E, LC (mg / kg (ppm))	2022	2,090.9	177.90	1,593.0	356.21	65.878	25	1.40	16%	0
109.02	Vitamin E, LC (mg / kg (ppm))	0904	2,400.9	32.520	1,593.0	356.21	65.878	25	2.27	25%	0
109.02	Vitamin E, LC (mg / kg (ppm))	0638	1,404.0	796.00	1,593.0	356.21	65.878	25	-0.53	6%	1
109.99	Vitamin E, Miscellaneous (mg / kg (ppm))	0171	2,510.0	0.00000			0.00000	1			

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
112.00	Pyridoxine, Vitamin B6 (µg / g)	0904	15.730	0.18000			0.18000	1			
113.01	Folic Acid, Microbiological (mg / kg (ppm))	0227	5.3550	0.05000			0.05000	1			
113.99	Folic Acid, Miscellaneous (mg / kg (ppm))	0904	11.295	0.23000			0.23000	1			
114.01	Biotin, Microbiological (mg / kg (ppm))	0227	67.650	1.1000	84.825	24.289	2.5500	2	-0.71	10%	0
114.01	Biotin, Microbiological (mg / kg (ppm))	0208	102.00	4.0000	84.825	24.289	2.5500	2	0.71	10%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0227	0.17500	0.01000	0.18273	0.00689	0.01173	3	-1.12	2%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0504	0.18500	0.01000	0.18273	0.00689	0.01173	3	0.33	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0918	0.18820	0.01520	0.18273	0.00689	0.01173	3	0.79	1%	0
120.01	Alanine, Pre-col OPA Der (%)	0297	0.17100	0.00000			0.00000	1			
120.02	Alanine, Post-col OPA Der (%)	2023	0.14000	0.00000			0.00000	1			
120.05	Alanine, Pre-col AQC Der (%)	0676	0.06000	0.00600	0.13200	0.10182	0.00900	2	-0.71	27%	0
120.05	Alanine, Pre-col AQC Der (%)	0008	0.20400	0.01200	0.13200	0.10182	0.00900	2	0.71	27%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0227	0.20500	0.01000	0.22915	0.02182	0.00837	3	-1.11	5%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0504	0.23500	0.01000	0.22915	0.02182	0.00837	3	0.27	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0918	0.24745	0.00510	0.22915	0.02182	0.00837	3	0.84	4%	0
121.01	Arginine, Pre-col OPA Der (%)	0297	0.25250	0.00300			0.00300	1			
121.02	Arginine, Post-col OPA Der (%)	2023	0.26000	0.00000			0.00000	1			
121.05	Arginine, Pre-col AQC Der (%)	0676	0.08200	0.00200	0.18325	0.14319	0.01050	2	-0.71	28%	0
121.05	Arginine, Pre-col AQC Der (%)	0008	0.28450	0.01900	0.18325	0.14319	0.01050	2	0.71	28%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0227	0.26000	0.00000	0.26437	0.00409	0.00727	3	-1.07	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0504	0.26500	0.01000	0.26437	0.00409	0.00727	3	0.15	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0918	0.26810	0.01180	0.26437	0.00409	0.00727	3	0.91	1%	0
122.01	Aspartic, Pre-col OPA Der (%)	0297	0.26400	0.00200			0.00200	1			
122.02	Aspartic, Post-col OPA Der (%)	2023	0.24000	0.00000			0.00000	1			
122.05	Aspartic, Pre-col AQC Der (%)	0676	0.09050	0.00500	0.20975	0.16864	0.01750	2	-0.71	28%	0
122.05	Aspartic, Pre-col AQC Der (%)	0008	0.32900	0.03000	0.20975	0.16864	0.01750	2	0.71	28%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0918	0.04800	0.00920	0.04933	0.00115	0.00307	3	-1.15	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0227	0.05000	0.00000	0.04933	0.00115	0.00307	3	0.58	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0504	0.05000	0.00000	0.04933	0.00115	0.00307	3	0.58	1%	0
124.01	Cysteine/Cystine, PAO Pre-col OPA Der (%)	0297	0.05050	0.00100			0.00100	1			
124.02	Cysteine/Cystine, PAO Post-col OPA Der (%)	2023	0.09500	0.01000			0.01000	1			
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0676	0.02150	0.00300			0.00300	1			
124.99	Cysteine/Cystine, Miscellaneous (%)	0008	0.08350	0.01900			0.01900	1			
125.00	Glutamic, Post-col Ninhydrin Der (%)	0918	0.57630	0.00440	0.59543	0.02235	0.00147	3	-0.86	2%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0227	0.59000	0.00000	0.59543	0.02235	0.00147	3	-0.24	0%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0504	0.62000	0.00000	0.59543	0.02235	0.00147	3	1.10	2%	0
125.01	Glutamic, Pre-col OPA Der (%)	0297	0.60800	0.00200			0.00200	1			
125.02	Glutamic, Post-col OPA Der (%)	2023	0.52000	0.02000			0.02000	1			
125.05	Glutamic, Pre-col AQC Der (%)	0676	0.20100	0.01000	0.40650	0.29062	0.10400	2	-0.71	25%	0
125.05	Glutamic, Pre-col AQC Der (%)	0008	0.61200	0.19800	0.40650	0.29062	0.10400	2	0.71	25%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0918	0.13860	0.00460	0.14120	0.00336	0.00487	3	-0.77	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0227	0.14000	0.00000	0.14120	0.00336	0.00487	3	-0.36	0%	0



Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCS Z Score	Threshold %RSD	Flag
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126.00	Glycine, Post-col Ninhydrin Der (%)	0504	0.14500	0.01000	0.14120	0.00336	0.00487	3	1.13	1%	0
126.01	Glycine, Pre-col OPA Der (%)	0297	0.14400	0.00800			0.00800	1			
126.02	Glycine, Post-col OPA Der (%)	2023	0.13000	0.00000			0.00000	1			
126.05	Glycine, Pre-col AQC Der (%)	0676	0.04700	0.00400	0.10600	0.08344	0.01900	2	-0.71	28%	0
126.05	Glycine, Pre-col AQC Der (%)	0008	0.16500	0.03400	0.10600	0.08344	0.01900	2	0.71	28%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0918	0.08735	0.00090	0.10578	0.02966	0.00697	3	-0.62	9%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0227	0.09000	0.00000	0.10578	0.02966	0.00697	3	-0.53	7%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0504	0.14000	0.02000	0.10578	0.02966	0.00697	3	1.15	16%	0
127.01	Histidine, Pre-col OPA Der (%)	0297	0.09350	0.00100			0.00100	1			
127.02	Histidine, Post-col OPA Der (%)	2023	0.10000	0.00000			0.00000	1			
127.05	Histidine, Pre-col AQC Der (%)	0008	0.00000	0.00000	0.01300	0.01838	0.00100	2	-0.71	50%	0
127.05	Histidine, Pre-col AQC Der (%)	0676	0.02600	0.00200	0.01300	0.01838	0.00100	2	0.71	50%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0227	0.11000	0.00000	0.11760	0.01083	0.00267	3	-0.70	3%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0918	0.11280	0.00800	0.11760	0.01083	0.00267	3	-0.44	2%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0504	0.13000	0.00000	0.11760	0.01083	0.00267	3	1.15	5%	0
128.01	Isoleucine, Pre-col OPA Der (%)	0297	0.10800	0.00000			0.00000	1			
128.02	Isoleucine, Post-col OPA Der (%)	2023	0.08000	0.00000			0.00000	1			
128.05	Isoleucine, Pre-col AQC Der (%)	0676	0.03650	0.00300	0.07275	0.05127	0.01150	2	-0.71	25%	0
128.05	Isoleucine, Pre-col AQC Der (%)	0008	0.10900	0.02000	0.07275	0.05127	0.01150	2	0.71	25%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0227	0.25000	0.00000	0.26852	0.02016	0.00177	3	-0.92	3%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0918	0.26555	0.00530	0.26852	0.02016	0.00177	3	-0.15	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0504	0.29000	0.00000	0.26852	0.02016	0.00177	3	1.07	4%	0
129.01	Leucine, Pre-col OPA Der (%)	0297	0.28250	0.00100			0.00100	1			
129.02	Leucine, Post-col OPA Der (%)	2023	0.21000	0.00000			0.00000	1			
129.05	Leucine, Pre-col AQC Der (%)	0676	0.09000	0.01000	0.18750	0.13789	0.03200	2	-0.71	26%	0
129.05	Leucine, Pre-col AQC Der (%)	0008	0.28500	0.05400	0.18750	0.13789	0.03200	2	0.71	26%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0227	0.11500	0.01000	0.13648	0.02573	0.01230	3	-0.83	8%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0918	0.12945	0.01690	0.13648	0.02573	0.01230	3	-0.27	3%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0504	0.16500	0.01000	0.13648	0.02573	0.01230	3	1.11	10%	0
130.01	L-Lysine, Pre-col OPA Der (%)	0297	0.10150	0.00100			0.00100	1			
130.02	L-Lysine, Post-col OPA Der (%)	2023	0.18000	0.00000			0.00000	1			
130.05	L-Lysine, Pre-col AQC Der (%)	0676	0.04000	0.00000	0.09200	0.07354	0.01300	2	-0.71	28%	0
130.05	L-Lysine, Pre-col AQC Der (%)	0008	0.14400	0.02600	0.09200	0.07354	0.01300	2	0.71	28%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0227	0.05000	0.00000	0.05912	0.01579	0.00130	3	-0.58	8%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0504	0.05000	0.00000	0.05912	0.01579	0.00130	3	-0.58	8%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0918	0.07735	0.00390	0.05912	0.01579	0.00130	3	1.15	15%	0
131.01	Methionine, PAO Pre-col OPA Der (%)	0297	0.04550	0.00100			0.00100	1			
131.02	Methionine, PAO Post-col OPA Der (%)	2023	0.05000	0.00000			0.00000	1			
131.05	Methionine, PAO Pre-col AQC Der (%)	0676	0.02200	0.00400			0.00400	1			
131.99	Methionine, Miscellaneous (%)	0008	0.08050	0.01300			0.01300	1			
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0227	0.15000	0.02000	0.17233	0.01966	0.01633	3	-1.14	6%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0504	0.18000	0.02000	0.17233	0.01966	0.01633	3	0.39	2%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
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132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0918	0.18700	0.00900	0.17233	0.01966	0.01633	3	0.75	4%	0
132.01	Phenylalanine, Pre-col OPA Der (%)	0297	0.15300	0.00000			0.00000	1			
132.02	Phenylalanine, Post-col OPA Der (%)	2023	0.14000	0.02000			0.02000	1			
132.05	Phenylalanine, Pre-col AQC Der (%)	0676	0.05250	0.00300	0.11200	0.08415	0.00500	2	-0.71	27%	0
132.05	Phenylalanine, Pre-col AQC Der (%)	0008	0.17150	0.00700	0.11200	0.08415	0.00500	2	0.71	27%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0918	0.16005	0.00930	0.17668	0.01440	0.00977	3	-1.15	5%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0227	0.18500	0.01000	0.17668	0.01440	0.00977	3	0.58	2%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0504	0.18500	0.01000	0.17668	0.01440	0.00977	3	0.58	2%	0
133.05	Proline, Pre-col AQC Der (%)	0676	0.06350	0.00700	0.13775	0.10501	0.01550	2	-0.71	27%	0
133.05	Proline, Pre-col AQC Der (%)	0008	0.21200	0.02400	0.13775	0.10501	0.01550	2	0.71	27%	0
133.99	Proline, Miscellaneous (%)	2023	0.23500	0.01000			0.01000	1			
134.00	Serine, Post-col Ninhydrin Der (%)	0504	0.15000	0.00000	0.15345	0.00568	0.00610	3	-0.61	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0918	0.15035	0.01830	0.15345	0.00568	0.00610	3	-0.55	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0227	0.16000	0.00000	0.15345	0.00568	0.00610	3	1.15	2%	0
134.01	Serine, Pre-col OPA Der (%)	0297	0.15650	0.00100			0.00100	1			
134.02	Serine, Post-col OPA Der (%)	2023	0.14000	0.00000			0.00000	1			
134.05	Serine, Pre-col AQC Der (%)	0676	0.05050	0.00500	0.12750	0.10889	0.01000	2	-0.71	30%	0
134.05	Serine, Pre-col AQC Der (%)	0008	0.20450	0.01500	0.12750	0.10889	0.01000	2	0.71	30%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0504	0.11500	0.01000	0.12312	0.01052	0.01083	3	-0.77	3%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0918	0.11935	0.01250	0.12312	0.01052	0.01083	3	-0.36	2%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0227	0.13500	0.01000	0.12312	0.01052	0.01083	3	1.13	5%	0
135.01	Threonine, Pre-col OPA Der (%)	0297	0.12900	0.00200			0.00200	1			
135.02	Threonine, Post-col OPA Der (%)	2023	0.11000	0.00000			0.00000	1			
135.05	Threonine, Pre-col AQC Der (%)	0676	0.03950	0.00300	0.08050	0.05798	0.01300	2	-0.71	25%	0
135.05	Threonine, Pre-col AQC Der (%)	0008	0.12150	0.02300	0.08050	0.05798	0.01300	2	0.71	25%	0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhydrin (%)	0227	0.03500	0.01000			0.01000	1			
136.01	Tryptophan, Alka-Hydrol Rev Phase LC UV (%)	0008	0.03250	0.02700			0.02700	1			
136.02	Tryptophan, Alka-Hydrol Post-col OPA Der (%)	2023	0.03000	0.00000			0.00000	1			
136.03	Tryptophan, Alka-Hydrol + IS RP LC FI (%)	0297	0.03400	0.00000			0.00000	1			
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0227	0.09000	0.02000	0.11365	0.02511	0.00677	3	-0.94	10%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0918	0.11095	0.00030	0.11365	0.02511	0.00677	3	-0.11	1%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0504	0.14000	0.00000	0.11365	0.02511	0.00677	3	1.05	12%	0
137.01	Tyrosine, Pre-col OPA Der (%)	0297	0.10150	0.00100			0.00100	1			
137.02	Tyrosine, Post-col OPA Der (%)	2023	0.13000	0.00000			0.00000	1			
137.05	Tyrosine, Pre-col AQC Der (%)	0676	0.03950	0.00300	0.07675	0.05268	0.02150	2	-0.71	24%	0
137.05	Tyrosine, Pre-col AQC Der (%)	0008	0.11400	0.04000	0.07675	0.05268	0.02150	2	0.71	24%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0227	0.15500	0.01000	0.16003	0.00863	0.00707	3	-0.58	2%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0918	0.15510	0.01120	0.16003	0.00863	0.00707	3	-0.57	2%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0504	0.17000	0.00000	0.16003	0.00863	0.00707	3	1.15	3%	0
138.01	Valine, Pre-col OPA Der (%)	0297	0.16400	0.00000			0.00000	1			
138.02	Valine, Post-col OPA Der (%)	2023	0.10000	0.00000			0.00000	1			
138.05	Valine, Pre-col AQC Der (%)	0676	0.05300	0.00400	0.10050	0.06718	0.00700	2	-0.71	24%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
138.05	Valine, Pre-col AQC Der (%)	0008	0.14800	0.01000	0.10050	0.06718	0.00700	2	0.71	24%	0
139.00	Taurine, Post-col Ninhydrin Der (%)	0504	0.01000	0.00000			0.00000	1			
139.02	Taurine, Post-col OPA Der (%)	2023	0.00000	0.00000			0.00000	1			
160.99	Fructose, Miscellaneous (%)	0297	0.00000	0.00000	0.05450	0.07707	0.00800	2	-0.71	50%	0
160.99	Fructose, Miscellaneous (%)	2004	0.10900	0.01600	0.05450	0.07707	0.00800	2	0.71	50%	0
161.99	Galactose, Miscellaneous (%)	0297	0.00000	0.00000	0.00000	0.00000	0.00000	2	0.00		0
161.99	Galactose, Miscellaneous (%)	2004	0.00000	0.00000	0.00000	0.00000	0.00000	2	0.00		0
162.99	Glucose, Miscellaneous (%)	0297	0.04750	0.01900	0.07170	0.03422	0.01660	2	-0.71	17%	0
162.99	Glucose, Miscellaneous (%)	2004	0.09590	0.01420	0.07170	0.03422	0.01660	2	0.71	17%	0
163.99	Lactose, Miscellaneous (%)	0297	0.00000	0.00000	0.00000	0.00000	0.00000	2	0.00		0
163.99	Lactose, Miscellaneous (%)	2004	0.00000	0.00000	0.00000	0.00000	0.00000	2	0.00		0
164.99	Maltose, Miscellaneous (%)	0297	0.00000	0.00000	0.00938	0.01326	0.00175	2	-0.71	50%	0
164.99	Maltose, Miscellaneous (%)	2004	0.01875	0.00350	0.00938	0.01326	0.00175	2	0.71	50%	0
165.99	Sucrose, Miscellaneous (%)	2004	0.17650	0.03500	0.24950	0.08314	0.05700	3	-0.88	15%	0
165.99	Sucrose, Miscellaneous (%)	0297	0.23200	0.05600	0.24950	0.08314	0.05700	3	-0.21	4%	0
165.99	Sucrose, Miscellaneous (%)	0227	0.34000	0.08000	0.24950	0.08314	0.05700	3	1.09	18%	0
166.99	Raffinose, Miscellaneous (%)	0297	0.00000	0.00000			0.00000	1			
167.99	Stachyose, Miscellaneous (%)	0297	0.00000	0.00000			0.00000	1			
400.01	Water activity, Aqualab chilled mirror (Units)	0589	0.34550	0.00300	0.38025	0.04914	0.00650	2	-0.71	5%	0
400.01	Water activity, Aqualab chilled mirror (Units)	0942	0.41500	0.01000	0.38025	0.04914	0.00650	2	0.71	5%	0
516.00	Arsenic, total, AA, Hydride (mg / kg (ppm))	0939	4.8150	0.37000	5.4750	0.93338	0.31000	2	-0.71	6%	0
516.00	Arsenic, total, AA, Hydride (mg / kg (ppm))	0171	6.1350	0.25000	5.4750	0.93338	0.31000	2	0.71	6%	0
516.42	Arsenic, total, ICP, Open vessel (mg / kg (ppm))	0619	0.71500	0.03200			0.03200	1			
516.43	Arsenic, total, ICP, Microwave (mg / kg (ppm))	0964	5.8053	0.79780	5.8827	0.10939	0.47890	2	-0.71	1%	0
516.43	Arsenic, total, ICP, Microwave (mg / kg (ppm))	0027	5.9600	0.16000	5.8827	0.10939	0.47890	2	0.71	1%	0
516.52	Arsenic, total, ICP-MS, Open vessel (mg / kg (ppm))	0910	5.9800	0.08000	6.4650	0.68589	0.29000	2	-0.71	4%	0
516.52	Arsenic, total, ICP-MS, Open vessel (mg / kg (ppm))	0555	6.9500	0.50000	6.4650	0.68589	0.29000	2	0.71	4%	0
516.53	Arsenic, total, ICP-MS, Microwave (mg / kg (ppm))	0033	5.5250	0.05000	6.0334	0.46064	0.49038	6	-1.10	4%	0
516.53	Arsenic, total, ICP-MS, Microwave (mg / kg (ppm))	0918	5.7851	1.4533	6.0334	0.46064	0.49038	6	-0.54	2%	0
516.53	Arsenic, total, ICP-MS, Microwave (mg / kg (ppm))	0168	5.8775	0.36700	6.0334	0.46064	0.49038	6	-0.34	1%	0
516.53	Arsenic, total, ICP-MS, Microwave (mg / kg (ppm))	0553	5.9700	0.02000	6.0334	0.46064	0.49038	6	-0.14	1%	0
516.53	Arsenic, total, ICP-MS, Microwave (mg / kg (ppm))	0098	6.6040	0.16600	6.0334	0.46064	0.49038	6	1.24	5%	0
516.53	Arsenic, total, ICP-MS, Microwave (mg / kg (ppm))	0227	7.5380	0.88600	6.0334	0.46064	0.49038	6	3.27	12%	0
518.31	Cadmium, AAS, Dry ash (mg / kg (ppm))	0689	0.96500	0.03000	1.2075	0.34295	0.06500	2	-0.71	10%	0
518.31	Cadmium, AAS, Dry ash (mg / kg (ppm))	0673	1.4500	0.10000	1.2075	0.34295	0.06500	2	0.71	10%	0
518.34	Cadmium, AAS, Graphite furnace (mg / kg (ppm))	0610	1.5000	0.06000	2.4861	1.1442	0.39113	4	-0.86	20%	0
518.34	Cadmium, AAS, Graphite furnace (mg / kg (ppm))	2018	1.5650	0.15000	2.4861	1.1442	0.39113	4	-0.80	19%	0
518.34	Cadmium, AAS, Graphite furnace (mg / kg (ppm))	0904	3.0600	0.48000	2.4861	1.1442	0.39113	4	0.50	12%	0
518.34	Cadmium, AAS, Graphite furnace (mg / kg (ppm))	0946	3.8193	0.87450	2.4861	1.1442	0.39113	4	1.17	27%	0
518.41	Cadmium, ICP, Dry ash (mg / kg (ppm))	0695	0.72000	0.12000	3.2266	4.0257	0.11663	4	-0.62	39%	0
518.41	Cadmium, ICP, Dry ash (mg / kg (ppm))	0619	1.3600	0.02000	3.2266	4.0257	0.11663	4	-0.46	29%	0
518.41	Cadmium, ICP, Dry ash (mg / kg (ppm))	0011	1.5863	0.04650	3.2266	4.0257	0.11663	4	-0.41	25%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
518.41	Cadmium, ICP, Dry ash (mg / kg (ppm))	0171	9.2400	0.28000	3.2266	4.0257	0.11663	4	1.49	93%	0
518.43	Cadmium, ICP, Microwave (mg / kg (ppm))	0425	0.00000	0.00000	1.3643	0.80477	0.04220	5	-1.70	50%	0
518.43	Cadmium, ICP, Microwave (mg / kg (ppm))	0629	1.4000	0.00000	1.3643	0.80477	0.04220	5	0.04	1%	0
518.43	Cadmium, ICP, Microwave (mg / kg (ppm))	0964	1.5414	0.17100	1.3643	0.80477	0.04220	5	0.22	6%	0
518.43	Cadmium, ICP, Microwave (mg / kg (ppm))	0027	1.8100	0.00000	1.3643	0.80477	0.04220	5	0.55	16%	0
518.43	Cadmium, ICP, Microwave (mg / kg (ppm))	2012	2.0700	0.04000	1.3643	0.80477	0.04220	5	0.88	26%	0
518.52	Cadmium, ICP-MS, Open vessel (mg / kg (ppm))	0555	0.00000	0.00000	0.74250	1.0501	0.01500	2	-0.71	50%	0
518.52	Cadmium, ICP-MS, Open vessel (mg / kg (ppm))	0910	1.4850	0.03000	0.74250	1.0501	0.01500	2	0.71	50%	0
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0227	1.4175	0.04300	1.5589	0.11643	0.10642	5	-1.21	5%	0
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0033	1.4650	0.15000	1.5589	0.11643	0.10642	5	-0.81	3%	0
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0918	1.5971	0.06910	1.5589	0.11643	0.10642	5	0.33	1%	0
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0098	1.6100	0.06000	1.5589	0.11643	0.10642	5	0.44	2%	0
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0553	1.7050	0.21000	1.5589	0.11643	0.10642	5	1.25	5%	0
520.31	Chromium, AAS, Dry ash (mg / kg (ppm))	0673	53.000	2.0000	53.712	1.0062	1.0540	2	-0.71	1%	0
520.31	Chromium, AAS, Dry ash (mg / kg (ppm))	0946	54.423	0.10800	53.712	1.0062	1.0540	2	0.71	1%	0
520.34	Chromium, AAS, Graphite furnace (mg / kg (ppm))	0904	54.135	11.230			11.230	1			
520.41	Chromium, ICP, Dry ash (mg / kg (ppm))	0011	50.709	0.98450	172.60	172.39	3.9923	2	-0.71	35%	0
520.41	Chromium, ICP, Dry ash (mg / kg (ppm))	0171	294.50	7.0000	172.60	172.39	3.9923	2	0.71	35%	0
520.43	Chromium, ICP, Microwave (mg / kg (ppm))	0629	49.300	0.00000	53.517	2.4453	1.5697	5	-1.72	4%	0
520.43	Chromium, ICP, Microwave (mg / kg (ppm))	0964	53.848	5.8184	53.517	2.4453	1.5697	5	0.14	0%	0
520.43	Chromium, ICP, Microwave (mg / kg (ppm))	2012	54.085	1.4300	53.517	2.4453	1.5697	5	0.23	1%	0
520.43	Chromium, ICP, Microwave (mg / kg (ppm))	0510	54.855	0.51000	53.517	2.4453	1.5697	5	0.55	1%	0
520.43	Chromium, ICP, Microwave (mg / kg (ppm))	0027	55.495	0.09000	53.517	2.4453	1.5697	5	0.81	2%	0
520.52	Chromium, ICP-MS, Open vessel (mg / kg (ppm))	0555	41.000	4.0000			4.0000	1			
520.53	Chromium, ICP-MS, Microwave (mg / kg (ppm))	0918	48.846	0.48620	53.528	3.2904	3.4791	4	-1.42	4%	0
520.53	Chromium, ICP-MS, Microwave (mg / kg (ppm))	0553	53.800	9.0000	53.528	3.2904	3.4791	4	0.08	0%	0
520.53	Chromium, ICP-MS, Microwave (mg / kg (ppm))	0168	55.115	0.73000	53.528	3.2904	3.4791	4	0.48	1%	0
520.53	Chromium, ICP-MS, Microwave (mg / kg (ppm))	2023	56.350	3.7000	53.528	3.2904	3.4791	4	0.86	3%	0
526.31	Lead, AAS, Dry ash (mg / kg (ppm))	0673	1.2500	0.30000	11.750	14.849	0.50000	2	-0.71	45%	0
526.31	Lead, AAS, Dry ash (mg / kg (ppm))	0689	22.250	0.70000	11.750	14.849	0.50000	2	0.71	45%	0
526.33	Lead, AAS, Microwave (mg / kg (ppm))	0904	0.75500	0.03000			0.03000	1			
526.34	Lead, AAS, Graphite furnace (mg / kg (ppm))	2018	0.47400	0.05000	0.62593	0.21485	0.03575	2	-0.71	12%	0
526.34	Lead, AAS, Graphite furnace (mg / kg (ppm))	0946	0.77785	0.02150	0.62593	0.21485	0.03575	2	0.71	12%	0
526.41	Lead, ICP, Dry ash (mg / kg (ppm))	0171	0.00000	0.00000	0.36125	0.62570	0.00083	3	-0.58	50%	0
526.41	Lead, ICP, Dry ash (mg / kg (ppm))	0619	0.00000	0.00000	0.36125	0.62570	0.00083	3	-0.58	50%	0
526.41	Lead, ICP, Dry ash (mg / kg (ppm))	0011	1.0838	0.00250	0.36125	0.62570	0.00083	3	1.15	100%	0
526.43	Lead, ICP, Microwave (mg / kg (ppm))	0425	0.00000	0.00000	1.0035	1.4192	0.26300	2	-0.71	50%	0
526.43	Lead, ICP, Microwave (mg / kg (ppm))	0964	2.0070	0.52600	1.0035	1.4192	0.26300	2	0.71	50%	0
526.52	Lead, ICP-MS, Open vessel (mg / kg (ppm))	0555	0.00000	0.00000	0.82750	1.1703	0.00500	2	-0.71	50%	0
526.52	Lead, ICP-MS, Open vessel (mg / kg (ppm))	0910	1.6550	0.01000	0.82750	1.1703	0.00500	2	0.71	50%	0
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0033	1.6800	0.08000	1.7206	0.04023	0.06707	6	-1.01	1%	0
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0553	1.6950	0.05000	1.7206	0.04023	0.06707	6	-0.64	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Rob SD	R-bar	# Labs			
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0227	1.7020	0.05200	1.7206	0.04023	0.06707	6	-0.46	1%	0
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0098	1.7200	0.06000	1.7206	0.04023	0.06707	6	-0.01	0%	0
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0918	1.8287	0.00640	1.7206	0.04023	0.06707	6	2.69	3%	0
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0168	2.1110	0.15400	1.7206	0.04023	0.06707	6	9.70	11%	0
529.00	Mercury, Cold vapor (µg / kg (ppb))	0425	51.500	1.0000	75.750	34.295	0.50000	2	-0.71	16%	0
529.00	Mercury, Cold vapor (µg / kg (ppb))	0939	100.00	0.00000	75.750	34.295	0.50000	2	0.71	16%	0
529.99	Mercury, Miscellaneous (µg / kg (ppb))	0673	0.00000	0.00000	24.556	22.285	6.1200	6	-1.10	50%	0
529.99	Mercury, Miscellaneous (µg / kg (ppb))	0918	12.500	1.0000	24.556	22.285	6.1200	6	-0.54	25%	0
529.99	Mercury, Miscellaneous (µg / kg (ppb))	2018	16.885	4.1500	24.556	22.285	6.1200	6	-0.34	16%	0
529.99	Mercury, Miscellaneous (µg / kg (ppb))	0904	21.615	9.5700	24.556	22.285	6.1200	6	-0.13	6%	0
529.99	Mercury, Miscellaneous (µg / kg (ppb))	2080	59.000	2.0000	24.556	22.285	6.1200	6	1.55	70%	0
529.99	Mercury, Miscellaneous (µg / kg (ppb))	0910	90.000	20.000	24.556	22.285	6.1200	6	2.94	133%	0
539.31	Nickel, AAS, Dry ash (mg / kg (ppm))	0673	20.500	1.0000			1.0000	1			
539.34	Nickel, AAS, Graphite furnace (mg / kg (ppm))	0904	25.135	2.2700			2.2700	1			
539.41	Nickel, ICP, Dry ash (mg / kg (ppm))	0011	20.600	0.31800	61.800	58.266	1.1590	2	-0.71	33%	0
539.41	Nickel, ICP, Dry ash (mg / kg (ppm))	0171	103.00	2.0000	61.800	58.266	1.1590	2	0.71	33%	0
539.43	Nickel, ICP, Microwave (mg / kg (ppm))	0964	21.223	1.8251	21.324	0.14315	1.5976	2	-0.71	0%	0
539.43	Nickel, ICP, Microwave (mg / kg (ppm))	0027	21.425	1.3700	21.324	0.14315	1.5976	2	0.71	0%	0
539.52	Nickel, ICP-MS, Open vessel (mg / kg (ppm))	0555	23.500	3.0000			3.0000	1			
539.53	Nickel, ICP-MS, Microwave (mg / kg (ppm))	0553	20.000	2.6000	20.282	0.44936	1.9861	3	-0.63	1%	0
539.53	Nickel, ICP-MS, Microwave (mg / kg (ppm))	0918	20.045	1.9583	20.282	0.44936	1.9861	3	-0.53	1%	0
539.53	Nickel, ICP-MS, Microwave (mg / kg (ppm))	2023	20.800	1.4000	20.282	0.44936	1.9861	3	1.15	1%	0
600.01	Total Aflatoxin, Neogen Veratox Aflatoxin (µg / kg	2006	3.5000	0.60000							
600.03	Total Aflatoxin, Charm ROSA Fast Aflatoxin Quan	0589	1.0000	0.00000							
620.04	Total Fumonisin, Charm ROSA Fast 5 FUMQ (µg	0589	400.00	300.00							
640.01	T-2, Neogen Veratox T-2 / HT-2 (µg / kg (ppb))	0227	54.850	5.9000							