



## Method Proficiency Testing Report Regular Program

Sample # 201591

# Labs Reporting: 196

Swine Mineral and Vitamin Supplement

Issue Date : 12/31/2015

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
000.02	Urea, As protein, Colorimetric (%)	0278	0.10000	0.00000			0.00000	1			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	2106	5.8150	0.23000	7.2059	0.27797	0.12622	6	-5.00	10%	0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0615	7.0950	0.01000	7.2059	0.27797	0.12622	6	-0.40	1%	0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0309	7.1177	0.18470	7.2059	0.27797	0.12622	6	-0.32	1%	0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0034	7.2500	0.24000	7.2059	0.27797	0.12622	6	0.16	0%	0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0169	7.4050	0.05000	7.2059	0.27797	0.12622	6	0.72	1%	0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0183	8.0152	0.04260	7.2059	0.27797	0.12622	6	2.91	6%	0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0504	7.4800	1.0400	7.2059	0.27797	0.12622	6	0.99	2%	1
001.03	Loss on Drying, Low temp. methods (%)	0900	6.8600	0.04000	7.7045	0.09435	0.01200	10	-8.95	5%	0
001.03	Loss on Drying, Low temp. methods (%)	0903	7.6450	0.01000	7.7045	0.09435	0.01200	10	-0.63	0%	0
001.03	Loss on Drying, Low temp. methods (%)	0868	7.6500	0.00000	7.7045	0.09435	0.01200	10	-0.58	0%	0
001.03	Loss on Drying, Low temp. methods (%)	0897	7.6600	0.00000	7.7045	0.09435	0.01200	10	-0.47	0%	0
001.03	Loss on Drying, Low temp. methods (%)	2086	7.6700	0.02000	7.7045	0.09435	0.01200	10	-0.37	0%	0
001.03	Loss on Drying, Low temp. methods (%)	0937	7.6900	0.00000	7.7045	0.09435	0.01200	10	-0.15	0%	0
001.03	Loss on Drying, Low temp. methods (%)	0895	7.7650	0.01000	7.7045	0.09435	0.01200	10	0.64	0%	0
001.03	Loss on Drying, Low temp. methods (%)	2091	7.7750	0.01000	7.7045	0.09435	0.01200	10	0.75	0%	0
001.03	Loss on Drying, Low temp. methods (%)	0934	7.8650	0.03000	7.7045	0.09435	0.01200	10	1.70	1%	0
001.03	Loss on Drying, Low temp. methods (%)	0893	7.8900	0.00000	7.7045	0.09435	0.01200	10	1.97	1%	0
001.03	Loss on Drying, Low temp. methods (%)	0619	7.4250	0.13000	7.7045	0.09435	0.01200	10	-2.96	2%	1
001.05	Loss on Drying, LECO (%)	0610	7.5400	0.00000			0.00000	1			0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0609	7.0000	0.20000	7.6288	0.33436	0.13807	33	-1.88	4%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0613	7.0450	0.01000	7.6288	0.33436	0.13807	33	-1.75	4%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0407	7.1749	0.09960	7.6288	0.33436	0.13807	33	-1.36	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0872	7.2050	0.03000	7.6288	0.33436	0.13807	33	-1.27	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0083	7.2300	0.10000	7.6288	0.33436	0.13807	33	-1.19	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0353	7.2700	0.00000	7.6288	0.33436	0.13807	33	-1.07	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0098	7.2750	0.05000	7.6288	0.33436	0.13807	33	-1.06	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0413	7.4000	0.20000	7.6288	0.33436	0.13807	33	-0.68	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0675	7.4250	0.03000	7.6288	0.33436	0.13807	33	-0.61	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0571	7.4400	0.10000	7.6288	0.33436	0.13807	33	-0.56	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0693	7.4500	0.10000	7.6288	0.33436	0.13807	33	-0.53	1%	0

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001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0226	7.4850	0.07000	7.6288	0.33436	0.13807	33	-0.43	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0178	7.5300	0.30000	7.6288	0.33436	0.13807	33	-0.30	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0035	7.5600	0.06000	7.6288	0.33436	0.13807	33	-0.21	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0142	7.6100	0.02000	7.6288	0.33436	0.13807	33	-0.06	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2012	7.6350	0.21000	7.6288	0.33436	0.13807	33	0.02	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0278	7.6650	0.11000	7.6288	0.33436	0.13807	33	0.11	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0638	7.6800	0.04000	7.6288	0.33436	0.13807	33	0.15	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0171	7.6900	0.02000	7.6288	0.33436	0.13807	33	0.18	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2059	7.7300	0.06000	7.6288	0.33436	0.13807	33	0.30	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2009	7.7593	0.01160	7.6288	0.33436	0.13807	33	0.39	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0015	7.7750	0.23000	7.6288	0.33436	0.13807	33	0.44	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2011	7.7800	0.22000	7.6288	0.33436	0.13807	33	0.45	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0049	7.8000	0.60000	7.6288	0.33436	0.13807	33	0.51	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0003	7.8500	0.14000	7.6288	0.33436	0.13807	33	0.66	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0845	7.8550	0.05000	7.6288	0.33436	0.13807	33	0.68	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0849	7.8925	0.02500	7.6288	0.33436	0.13807	33	0.79	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0843	7.9300	0.80000	7.6288	0.33436	0.13807	33	0.90	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0187	7.9350	0.03000	7.6288	0.33436	0.13807	33	0.92	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0366	8.0000	0.60000	7.6288	0.33436	0.13807	33	1.11	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0695	8.1380	0.03000	7.6288	0.33436	0.13807	33	1.52	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0074	8.3300	0.00000	7.6288	0.33436	0.13807	33	2.10	5%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0529	8.3950	0.01000	7.6288	0.33436	0.13807	33	2.29	5%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0045	7.5500	1.0000	7.6288	0.33436	0.13807	33	-0.24	1%	1
001.08	Loss on Drying, 102°C 16 hr, in meat (%)	0590	7.6700	0.02000			0.02000	1			0
001.99	Loss on Drying, Miscellaneous (%)	0536	6.1200	0.20000	7.4926	0.55755	0.08375	16	-2.46	9%	0
001.99	Loss on Drying, Miscellaneous (%)	0630	6.8550	0.09000	7.4926	0.55755	0.08375	16	-1.14	4%	0
001.99	Loss on Drying, Miscellaneous (%)	0918	6.9500	0.10000	7.4926	0.55755	0.08375	16	-0.97	4%	0
001.99	Loss on Drying, Miscellaneous (%)	0004	7.2200	0.02000	7.4926	0.55755	0.08375	16	-0.49	2%	0
001.99	Loss on Drying, Miscellaneous (%)	0852	7.2650	0.11000	7.4926	0.55755	0.08375	16	-0.41	2%	0
001.99	Loss on Drying, Miscellaneous (%)	0720	7.2700	0.14000	7.4926	0.55755	0.08375	16	-0.40	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0676	7.2800	0.08000	7.4926	0.55755	0.08375	16	-0.38	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0889	7.3000	0.28000	7.4926	0.55755	0.08375	16	-0.35	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0948	7.3700	0.06000	7.4926	0.55755	0.08375	16	-0.22	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0940	7.5550	0.01000	7.4926	0.55755	0.08375	16	0.11	0%	0
001.99	Loss on Drying, Miscellaneous (%)	0357	7.7750	0.07000	7.4926	0.55755	0.08375	16	0.51	2%	0
001.99	Loss on Drying, Miscellaneous (%)	0629	7.7800	0.00000	7.4926	0.55755	0.08375	16	0.52	2%	0
001.99	Loss on Drying, Miscellaneous (%)	0505	7.9800	0.06000	7.4926	0.55755	0.08375	16	0.87	3%	0
001.99	Loss on Drying, Miscellaneous (%)	0037	8.1200	0.04000	7.4926	0.55755	0.08375	16	1.13	4%	0
001.99	Loss on Drying, Miscellaneous (%)	0876	8.4300	0.08000	7.4926	0.55755	0.08375	16	1.68	6%	0
001.99	Loss on Drying, Miscellaneous (%)	0510	9.9000	0.00000	7.4926	0.55755	0.08375	16	4.32	16%	0
001.99	Loss on Drying, Miscellaneous (%)	0047	9.9500	1.1000	7.4926	0.55755	0.08375	16	4.41	16%	1
002.00	Protein, Crude (%)	0169	26.365	0.03000	26.852	0.48014	0.14250	4	-1.01	1%	0

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002.00	Protein, Crude (%)	0940	26.620	0.42000	26.852	0.48014	0.14250	4	-0.48	0%	0
002.00	Protein, Crude (%)	0028	26.865	0.11000	26.852	0.48014	0.14250	4	0.03	0%	0
002.00	Protein, Crude (%)	0845	27.325	0.01000	26.852	0.48014	0.14250	4	0.99	1%	0
002.01	Protein, Auto Kjell-Foss (%)	0183	25.450	0.30000	26.360	0.56297	0.12233	9	-1.62	2%	0
002.01	Protein, Auto Kjell-Foss (%)	0685	25.870	0.04000	26.360	0.56297	0.12233	9	-0.87	1%	0
002.01	Protein, Auto Kjell-Foss (%)	0889	26.115	0.09000	26.360	0.56297	0.12233	9	-0.43	0%	0
002.01	Protein, Auto Kjell-Foss (%)	0968	26.208	0.01900	26.360	0.56297	0.12233	9	-0.27	0%	0
002.01	Protein, Auto Kjell-Foss (%)	0062	26.321	0.15200	26.360	0.56297	0.12233	9	-0.07	0%	0
002.01	Protein, Auto Kjell-Foss (%)	0152	26.550	0.10000	26.360	0.56297	0.12233	9	0.34	0%	0
002.01	Protein, Auto Kjell-Foss (%)	2023	26.690	0.26000	26.360	0.56297	0.12233	9	0.59	1%	0
002.01	Protein, Auto Kjell-Foss (%)	0610	26.925	0.05000	26.360	0.56297	0.12233	9	1.00	1%	0
002.01	Protein, Auto Kjell-Foss (%)	0164	27.045	0.09000	26.360	0.56297	0.12233	9	1.22	1%	0
002.01	Protein, Auto Kjell-Foss (%)	0910	25.050	1.1000	26.360	0.56297	0.12233	9	-2.33	2%	1
002.02	Protein, Semiauto Autoanalyzer (%)	0042	26.080	0.14000	26.417	0.31958	0.12443	3			0
002.02	Protein, Semiauto Autoanalyzer (%)	0066	26.455	0.11000	26.417	0.31958	0.12443	3			0
002.02	Protein, Semiauto Autoanalyzer (%)	0036	26.716	0.12330	26.417	0.31958	0.12443	3			0
002.04	Protein, Copper Catalyst (%)	0874	25.660	0.22000	26.329	0.72855	0.22250	4	-0.92	1%	0
002.04	Protein, Copper Catalyst (%)	0728	25.745	0.37000	26.329	0.72855	0.22250	4	-0.80	1%	0
002.04	Protein, Copper Catalyst (%)	0638	26.855	0.07000	26.329	0.72855	0.22250	4	0.72	1%	0
002.04	Protein, Copper Catalyst (%)	0504	27.055	0.23000	26.329	0.72855	0.22250	4	1.00	1%	0
002.05	Protein, Copper, Boric Acid (%)	0651	25.840	0.20600	26.444	0.28037	0.10540	35	-2.16	1%	0
002.05	Protein, Copper, Boric Acid (%)	0722	25.898	0.14350	26.444	0.28037	0.10540	35	-1.95	1%	0
002.05	Protein, Copper, Boric Acid (%)	2091	25.905	0.03000	26.444	0.28037	0.10540	35	-1.92	1%	0
002.05	Protein, Copper, Boric Acid (%)	2097	25.929	0.11970	26.444	0.28037	0.10540	35	-1.84	1%	0
002.05	Protein, Copper, Boric Acid (%)	0674	26.140	0.00000	26.444	0.28037	0.10540	35	-1.09	1%	0
002.05	Protein, Copper, Boric Acid (%)	2022	26.165	0.05000	26.444	0.28037	0.10540	35	-1.00	1%	0
002.05	Protein, Copper, Boric Acid (%)	0622	26.205	0.00560	26.444	0.28037	0.10540	35	-0.85	0%	0
002.05	Protein, Copper, Boric Acid (%)	2106	26.235	0.03000	26.444	0.28037	0.10540	35	-0.75	0%	0
002.05	Protein, Copper, Boric Acid (%)	2058	26.245	0.03000	26.444	0.28037	0.10540	35	-0.71	0%	0
002.05	Protein, Copper, Boric Acid (%)	0943	26.275	0.37000	26.444	0.28037	0.10540	35	-0.60	0%	0
002.05	Protein, Copper, Boric Acid (%)	2068	26.280	0.02000	26.444	0.28037	0.10540	35	-0.59	0%	0
002.05	Protein, Copper, Boric Acid (%)	0895	26.305	0.01000	26.444	0.28037	0.10540	35	-0.50	0%	0
002.05	Protein, Copper, Boric Acid (%)	0952	26.347	0.02200	26.444	0.28037	0.10540	35	-0.35	0%	0
002.05	Protein, Copper, Boric Acid (%)	2009	26.380	0.16920	26.444	0.28037	0.10540	35	-0.23	0%	0
002.05	Protein, Copper, Boric Acid (%)	0921	26.405	0.53000	26.444	0.28037	0.10540	35	-0.14	0%	0
002.05	Protein, Copper, Boric Acid (%)	2011	26.415	0.39000	26.444	0.28037	0.10540	35	-0.11	0%	0
002.05	Protein, Copper, Boric Acid (%)	0675	26.425	0.17000	26.444	0.28037	0.10540	35	-0.07	0%	0
002.05	Protein, Copper, Boric Acid (%)	0939	26.455	0.07000	26.444	0.28037	0.10540	35	0.04	0%	0
002.05	Protein, Copper, Boric Acid (%)	0552	26.465	0.57000	26.444	0.28037	0.10540	35	0.07	0%	0
002.05	Protein, Copper, Boric Acid (%)	0897	26.500	0.02000	26.444	0.28037	0.10540	35	0.20	0%	0
002.05	Protein, Copper, Boric Acid (%)	0903	26.530	0.02000	26.444	0.28037	0.10540	35	0.30	0%	0
002.05	Protein, Copper, Boric Acid (%)	2012	26.560	0.32000	26.444	0.28037	0.10540	35	0.41	0%	0

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002.05	Protein, Copper, Boric Acid (%)	0934	26.615	0.01000	26.444	0.28037	0.10540	35	0.61	0%	0
002.05	Protein, Copper, Boric Acid (%)	2006	26.630	0.04000	26.444	0.28037	0.10540	35	0.66	0%	0
002.05	Protein, Copper, Boric Acid (%)	0849	26.639	0.00300	26.444	0.28037	0.10540	35	0.69	0%	0
002.05	Protein, Copper, Boric Acid (%)	0885	26.641	0.10000	26.444	0.28037	0.10540	35	0.70	0%	0
002.05	Protein, Copper, Boric Acid (%)	0619	26.650	0.10000	26.444	0.28037	0.10540	35	0.73	0%	0
002.05	Protein, Copper, Boric Acid (%)	0937	26.665	0.01000	26.444	0.28037	0.10540	35	0.79	0%	0
002.05	Protein, Copper, Boric Acid (%)	2086	26.670	0.00000	26.444	0.28037	0.10540	35	0.80	0%	0
002.05	Protein, Copper, Boric Acid (%)	2073	26.700	0.04000	26.444	0.28037	0.10540	35	0.91	0%	0
002.05	Protein, Copper, Boric Acid (%)	0900	26.700	0.02000	26.444	0.28037	0.10540	35	0.91	0%	0
002.05	Protein, Copper, Boric Acid (%)	0893	26.750	0.00000	26.444	0.28037	0.10540	35	1.09	1%	0
002.05	Protein, Copper, Boric Acid (%)	0868	26.755	0.05000	26.444	0.28037	0.10540	35	1.11	1%	0
002.05	Protein, Copper, Boric Acid (%)	0354	26.850	0.02000	26.444	0.28037	0.10540	35	1.45	1%	0
002.05	Protein, Copper, Boric Acid (%)	0948	27.060	0.00000	26.444	0.28037	0.10540	35	2.20	1%	0
002.05	Protein, Copper, Boric Acid (%)	0955	26.300	0.60000	26.444	0.28037	0.10540	35	-0.52	0%	1
002.05	Protein, Copper, Boric Acid (%)	0852	23.630	0.02000	26.444	0.28037	0.10540	35	-10.04	5%	2
002.06	Protein, Combustion Nitrogen Analyzer (%)	0859	25.253	0.00900	27.101	0.26745	0.17007	117	-6.91	3%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0615	25.670	0.08000	27.101	0.26745	0.17007	117	-5.35	3%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0539	25.985	0.23000	27.101	0.26745	0.17007	117	-4.17	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0004	26.360	0.10000	27.101	0.26745	0.17007	117	-2.77	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0042	26.405	0.03000	27.101	0.26745	0.17007	117	-2.60	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0353	26.490	0.06000	27.101	0.26745	0.17007	117	-2.29	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0047	26.600	0.20000	27.101	0.26745	0.17007	117	-1.87	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0609	26.600	0.04000	27.101	0.26745	0.17007	117	-1.87	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0695	26.642	0.12900	27.101	0.26745	0.17007	117	-1.72	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0263	26.655	0.03560	27.101	0.26745	0.17007	117	-1.67	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0083	26.670	0.22000	27.101	0.26745	0.17007	117	-1.61	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0676	26.670	0.34000	27.101	0.26745	0.17007	117	-1.61	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0720	26.750	0.28000	27.101	0.26745	0.17007	117	-1.31	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0123	26.780	0.06000	27.101	0.26745	0.17007	117	-1.20	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0229	26.780	0.12000	27.101	0.26745	0.17007	117	-1.20	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0848	26.780	0.14000	27.101	0.26745	0.17007	117	-1.20	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0148	26.820	0.18000	27.101	0.26745	0.17007	117	-1.05	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0921	26.840	0.06000	27.101	0.26745	0.17007	117	-0.98	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0505	26.845	0.01000	27.101	0.26745	0.17007	117	-0.96	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2006	26.870	0.02000	27.101	0.26745	0.17007	117	-0.87	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2016	26.870	0.20000	27.101	0.26745	0.17007	117	-0.87	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0358	26.870	0.54000	27.101	0.26745	0.17007	117	-0.87	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0592	26.892	0.50400	27.101	0.26745	0.17007	117	-0.78	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0009	26.895	0.03000	27.101	0.26745	0.17007	117	-0.77	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0508	26.899	0.17200	27.101	0.26745	0.17007	117	-0.76	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0610	26.900	0.10000	27.101	0.26745	0.17007	117	-0.75	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0868	26.915	0.01000	27.101	0.26745	0.17007	117	-0.70	0%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
002.06	Protein, Combustion Nitrogen Analyzer (%)	0202	26.920	0.02000	27.101	0.26745	0.17007	117	-0.68	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0872	26.920	0.02000	27.101	0.26745	0.17007	117	-0.68	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0018	26.925	0.01000	27.101	0.26745	0.17007	117	-0.66	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0027	26.935	0.19000	27.101	0.26745	0.17007	117	-0.62	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0242	26.940	0.12000	27.101	0.26745	0.17007	117	-0.60	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0630	26.945	0.01000	27.101	0.26745	0.17007	117	-0.58	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0294	26.950	0.10000	27.101	0.26745	0.17007	117	-0.57	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0955	26.950	0.30000	27.101	0.26745	0.17007	117	-0.57	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0171	26.955	0.11000	27.101	0.26745	0.17007	117	-0.55	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0037	26.975	0.15000	27.101	0.26745	0.17007	117	-0.47	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0692	26.985	0.61000	27.101	0.26745	0.17007	117	-0.44	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0278	27.000	0.00000	27.101	0.26745	0.17007	117	-0.38	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0958	27.000	0.24000	27.101	0.26745	0.17007	117	-0.38	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2059	27.008	0.07810	27.101	0.26745	0.17007	117	-0.35	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2058	27.015	0.01000	27.101	0.26745	0.17007	117	-0.32	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0939	27.025	0.25000	27.101	0.26745	0.17007	117	-0.29	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0100	27.035	0.01000	27.101	0.26745	0.17007	117	-0.25	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0205	27.035	0.01000	27.101	0.26745	0.17007	117	-0.25	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0354	27.045	0.01000	27.101	0.26745	0.17007	117	-0.21	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0014	27.050	0.30000	27.101	0.26745	0.17007	117	-0.19	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0051	27.050	0.30000	27.101	0.26745	0.17007	117	-0.19	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0144	27.050	0.02000	27.101	0.26745	0.17007	117	-0.19	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0590	27.050	0.20000	27.101	0.26745	0.17007	117	-0.19	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0003	27.050	0.40000	27.101	0.26745	0.17007	117	-0.19	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0006	27.053	0.14000	27.101	0.26745	0.17007	117	-0.18	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0142	27.070	0.04000	27.101	0.26745	0.17007	117	-0.12	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0598	27.080	0.52000	27.101	0.26745	0.17007	117	-0.08	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0589	27.085	0.21000	27.101	0.26745	0.17007	117	-0.06	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0010	27.100	0.20000	27.101	0.26745	0.17007	117	-0.01	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0049	27.100	0.04000	27.101	0.26745	0.17007	117	-0.01	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0366	27.100	0.40000	27.101	0.26745	0.17007	117	-0.01	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0413	27.100	0.20000	27.101	0.26745	0.17007	117	-0.01	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0619	27.100	0.00000	27.101	0.26745	0.17007	117	-0.01	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0910	27.100	0.00000	27.101	0.26745	0.17007	117	-0.01	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2023	27.115	0.39000	27.101	0.26745	0.17007	117	0.05	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0959	27.120	0.30000	27.101	0.26745	0.17007	117	0.07	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0138	27.125	0.04500	27.101	0.26745	0.17007	117	0.09	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0034	27.135	0.04200	27.101	0.26745	0.17007	117	0.13	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0309	27.139	0.00700	27.101	0.26745	0.17007	117	0.14	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0208	27.140	0.32000	27.101	0.26745	0.17007	117	0.14	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0520	27.145	0.35000	27.101	0.26745	0.17007	117	0.16	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0016	27.150	0.10000	27.101	0.26745	0.17007	117	0.18	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	Robust SD	R-bar	# Labs			
002.06	Protein, Combustion Nitrogen Analyzer (%)	0098	27.150	0.10000	27.101	0.26745	0.17007	117	0.18	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0226	27.150	0.10000	27.101	0.26745	0.17007	117	0.18	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0510	27.150	0.10000	27.101	0.26745	0.17007	117	0.18	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0357	27.155	0.19000	27.101	0.26745	0.17007	117	0.20	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0693	27.157	0.10680	27.101	0.26745	0.17007	117	0.21	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0957	27.165	0.39000	27.101	0.26745	0.17007	117	0.24	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0512	27.170	0.22000	27.101	0.26745	0.17007	117	0.26	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0948	27.185	0.01000	27.101	0.26745	0.17007	117	0.31	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0646	27.190	0.12000	27.101	0.26745	0.17007	117	0.33	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0857	27.190	0.06000	27.101	0.26745	0.17007	117	0.33	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0529	27.200	0.04000	27.101	0.26745	0.17007	117	0.37	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0571	27.200	0.00000	27.101	0.26745	0.17007	117	0.37	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0407	27.205	0.03200	27.101	0.26745	0.17007	117	0.39	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0843	27.250	0.00000	27.101	0.26745	0.17007	117	0.56	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2053	27.255	0.21000	27.101	0.26745	0.17007	117	0.57	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2075	27.255	0.55000	27.101	0.26745	0.17007	117	0.57	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0035	27.260	0.04000	27.101	0.26745	0.17007	117	0.59	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0074	27.260	0.30000	27.101	0.26745	0.17007	117	0.59	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0019	27.268	0.01500	27.101	0.26745	0.17007	117	0.62	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0108	27.290	0.06000	27.101	0.26745	0.17007	117	0.71	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2089	27.290	0.02000	27.101	0.26745	0.17007	117	0.71	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0956	27.300	0.20000	27.101	0.26745	0.17007	117	0.74	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0553	27.300	0.40000	27.101	0.26745	0.17007	117	0.74	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0726	27.305	0.05000	27.101	0.26745	0.17007	117	0.76	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0168	27.319	0.58700	27.101	0.26745	0.17007	117	0.81	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0650	27.320	0.04000	27.101	0.26745	0.17007	117	0.82	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0961	27.330	0.20000	27.101	0.26745	0.17007	117	0.85	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0164	27.350	0.22000	27.101	0.26745	0.17007	117	0.93	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0175	27.350	0.10000	27.101	0.26745	0.17007	117	0.93	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0504	27.400	0.12000	27.101	0.26745	0.17007	117	1.12	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0953	27.415	0.35000	27.101	0.26745	0.17007	117	1.17	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2076	27.419	0.19000	27.101	0.26745	0.17007	117	1.19	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0574	27.420	0.06000	27.101	0.26745	0.17007	117	1.19	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0036	27.445	0.03000	27.101	0.26745	0.17007	117	1.28	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0300	27.459	0.22800	27.101	0.26745	0.17007	117	1.34	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0876	27.465	0.37000	27.101	0.26745	0.17007	117	1.36	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0001	27.505	0.63000	27.101	0.26745	0.17007	117	1.51	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0541	27.540	0.28000	27.101	0.26745	0.17007	117	1.64	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0884	27.550	0.10000	27.101	0.26745	0.17007	117	1.68	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0861	27.560	0.12000	27.101	0.26745	0.17007	117	1.71	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	1019	27.561	0.09800	27.101	0.26745	0.17007	117	1.72	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0178	27.625	0.39000	27.101	0.26745	0.17007	117	1.96	1%	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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002.06	Protein, Combustion Nitrogen Analyzer (%)	0190	27.640	0.10000	27.101	0.26745	0.17007	117	2.01	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2003	27.640	0.04000	27.101	0.26745	0.17007	117	2.01	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0613	27.685	0.59000	27.101	0.26745	0.17007	117	2.18	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2012	27.800	0.48000	27.101	0.26745	0.17007	117	2.61	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0918	27.850	0.46000	27.101	0.26745	0.17007	117	2.80	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0511	27.975	0.13000	27.101	0.26745	0.17007	117	3.27	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0265	26.255	0.79000	27.101	0.26745	0.17007	117	-3.16	2%	1
002.06	Protein, Combustion Nitrogen Analyzer (%)	0345	26.950	0.90000	27.101	0.26745	0.17007	117	-0.57	0%	1
002.08	Protein, Cu/Ti (%)	0098	26.415	0.09000	26.645	0.24343	0.29567	3			0
002.08	Protein, Cu/Ti (%)	0563	26.621	0.39700	26.645	0.24343	0.29567	3			0
002.08	Protein, Cu/Ti (%)	0208	26.900	0.40000	26.645	0.24343	0.29567	3			0
002.10	Protein, Block dig/distillation (%)	0629	27.030	0.04000			0.04000	1			0
002.11	Protein, NIR (%)	0852	25.440	0.32000	27.420	1.5601	0.14000	5	-1.27	4%	0
002.11	Protein, NIR (%)	0889	26.115	0.13000	27.420	1.5601	0.14000	5	-0.84	2%	0
002.11	Protein, NIR (%)	0613	28.195	0.21000	27.420	1.5601	0.14000	5	0.50	1%	0
002.11	Protein, NIR (%)	2036	28.250	0.02000	27.420	1.5601	0.14000	5	0.53	2%	0
002.11	Protein, NIR (%)	0720	29.100	0.02000	27.420	1.5601	0.14000	5	1.08	3%	0
002.99	Protein, Miscellaneous (%)	0681	25.510	0.36000	26.273	0.67678	0.19333	3			0
002.99	Protein, Miscellaneous (%)	2105	26.510	0.22000	26.273	0.67678	0.19333	3			0
002.99	Protein, Miscellaneous (%)	2004	26.800	0.00000	26.273	0.67678	0.19333	3			0
003.00	Fat, Eth Ext., Direct (%)	0885	3.3763	0.16560	5.9481	1.4113	0.18421	13	-1.82	22%	0
003.00	Fat, Eth Ext., Direct (%)	0876	4.2500	0.04000	5.9481	1.4113	0.18421	13	-1.20	14%	0
003.00	Fat, Eth Ext., Direct (%)	0939	4.6950	0.17000	5.9481	1.4113	0.18421	13	-0.89	11%	0
003.00	Fat, Eth Ext., Direct (%)	0142	4.7950	0.41000	5.9481	1.4113	0.18421	13	-0.82	10%	0
003.00	Fat, Eth Ext., Direct (%)	2058	5.3650	0.13000	5.9481	1.4113	0.18421	13	-0.41	5%	0
003.00	Fat, Eth Ext., Direct (%)	0345	5.4300	0.34000	5.9481	1.4113	0.18421	13	-0.37	4%	0
003.00	Fat, Eth Ext., Direct (%)	0884	6.2500	0.10000	5.9481	1.4113	0.18421	13	0.21	3%	0
003.00	Fat, Eth Ext., Direct (%)	2106	6.2800	0.20000	5.9481	1.4113	0.18421	13	0.24	3%	0
003.00	Fat, Eth Ext., Direct (%)	0026	6.7450	0.13000	5.9481	1.4113	0.18421	13	0.56	7%	0
003.00	Fat, Eth Ext., Direct (%)	0309	7.2043	0.37910	5.9481	1.4113	0.18421	13	0.89	11%	0
003.00	Fat, Eth Ext., Direct (%)	0035	7.2050	0.25000	5.9481	1.4113	0.18421	13	0.89	11%	0
003.00	Fat, Eth Ext., Direct (%)	0175	7.2400	0.08000	5.9481	1.4113	0.18421	13	0.92	11%	0
003.00	Fat, Eth Ext., Direct (%)	0354	7.7400	0.00000	5.9481	1.4113	0.18421	13	1.27	15%	0
003.01	Fat, Ind Eth Ext (13th ed.), Indirect (%)	0504	4.5750	1.1300			0.58035	2			0
003.01	Fat, Ind Eth Ext (13th ed.), Indirect (%)	0563	6.1664	0.03070			0.58035	2			0
003.06	Fat, Pet Ether (%)	2091	3.1800	0.10000	4.4861	0.81816	0.13344	13	-1.60	15%	0
003.06	Fat, Pet Ether (%)	0083	3.5350	0.17000	4.4861	0.81816	0.13344	13	-1.16	11%	0
003.06	Fat, Pet Ether (%)	0169	4.0250	0.01000	4.4861	0.81816	0.13344	13	-0.56	5%	0
003.06	Fat, Pet Ether (%)	0148	4.0350	0.07000	4.4861	0.81816	0.13344	13	-0.55	5%	0
003.06	Fat, Pet Ether (%)	0910	4.2050	0.09000	4.4861	0.81816	0.13344	13	-0.34	3%	0
003.06	Fat, Pet Ether (%)	0294	4.2800	0.00000	4.4861	0.81816	0.13344	13	-0.25	2%	0
003.06	Fat, Pet Ether (%)	0300	4.2968	0.11470	4.4861	0.81816	0.13344	13	-0.23	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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003.06	Fat, Pet Ether (%)	0074	4.4000	0.28000	4.4861	0.81816	0.13344	13	-0.11	1%	0
003.06	Fat, Pet Ether (%)	0552	4.8000	0.20000	4.4861	0.81816	0.13344	13	0.38	3%	0
003.06	Fat, Pet Ether (%)	0849	5.2350	0.09000	4.4861	0.81816	0.13344	13	0.92	8%	0
003.06	Fat, Pet Ether (%)	0164	5.7100	0.12000	4.4861	0.81816	0.13344	13	1.50	14%	0
003.06	Fat, Pet Ether (%)	0918	6.7300	0.48000	4.4861	0.81816	0.13344	13	2.74	25%	0
003.06	Fat, Pet Ether (%)	0852	7.1950	0.01000	4.4861	0.81816	0.13344	13	3.31	30%	0
003.06	Fat, Pet Ether (%)	0511	6.1650	1.0900	4.4861	0.81816	0.13344	13	2.05	19%	1
003.09	Fat, Soxtec, Eth Ext (%)	2068	3.4950	0.05000	7.0032	0.72165	0.09643	23	-4.86	25%	0
003.09	Fat, Soxtec, Eth Ext (%)	0051	3.8000	0.20000	7.0032	0.72165	0.09643	23	-4.44	23%	0
003.09	Fat, Soxtec, Eth Ext (%)	0263	4.6950	0.07000	7.0032	0.72165	0.09643	23	-3.20	16%	0
003.09	Fat, Soxtec, Eth Ext (%)	0027	5.5780	0.24200	7.0032	0.72165	0.09643	23	-1.97	10%	0
003.09	Fat, Soxtec, Eth Ext (%)	0098	6.5450	0.03000	7.0032	0.72165	0.09643	23	-0.63	3%	0
003.09	Fat, Soxtec, Eth Ext (%)	0505	6.5450	0.07000	7.0032	0.72165	0.09643	23	-0.63	3%	0
003.09	Fat, Soxtec, Eth Ext (%)	0512	6.6495	0.17700	7.0032	0.72165	0.09643	23	-0.49	3%	0
003.09	Fat, Soxtec, Eth Ext (%)	0675	6.7300	0.00000	7.0032	0.72165	0.09643	23	-0.38	2%	0
003.09	Fat, Soxtec, Eth Ext (%)	0638	6.8250	0.15000	7.0032	0.72165	0.09643	23	-0.25	1%	0
003.09	Fat, Soxtec, Eth Ext (%)	0004	6.8750	0.29000	7.0032	0.72165	0.09643	23	-0.18	1%	0
003.09	Fat, Soxtec, Eth Ext (%)	0968	7.0625	0.06100	7.0032	0.72165	0.09643	23	0.08	0%	0
003.09	Fat, Soxtec, Eth Ext (%)	0674	7.0900	0.00000	7.0032	0.72165	0.09643	23	0.12	1%	0
003.09	Fat, Soxtec, Eth Ext (%)	0508	7.1140	0.11540	7.0032	0.72165	0.09643	23	0.15	1%	0
003.09	Fat, Soxtec, Eth Ext (%)	0152	7.2500	0.10000	7.0032	0.72165	0.09643	23	0.34	2%	0
003.09	Fat, Soxtec, Eth Ext (%)	0948	7.2750	0.03000	7.0032	0.72165	0.09643	23	0.38	2%	0
003.09	Fat, Soxtec, Eth Ext (%)	0685	7.4550	0.01000	7.0032	0.72165	0.09643	23	0.63	3%	0
003.09	Fat, Soxtec, Eth Ext (%)	0354	7.5450	0.01000	7.0032	0.72165	0.09643	23	0.75	4%	0
003.09	Fat, Soxtec, Eth Ext (%)	0510	7.6000	0.00000	7.0032	0.72165	0.09643	23	0.83	4%	0
003.09	Fat, Soxtec, Eth Ext (%)	0590	7.6000	0.20000	7.0032	0.72165	0.09643	23	0.83	4%	0
003.09	Fat, Soxtec, Eth Ext (%)	0630	7.6600	0.06000	7.0032	0.72165	0.09643	23	0.91	5%	0
003.09	Fat, Soxtec, Eth Ext (%)	0353	7.6650	0.09000	7.0032	0.72165	0.09643	23	0.92	5%	0
003.09	Fat, Soxtec, Eth Ext (%)	0226	7.7000	0.20000	7.0032	0.72165	0.09643	23	0.97	5%	0
003.09	Fat, Soxtec, Eth Ext (%)	0722	8.0652	0.06260	7.0032	0.72165	0.09643	23	1.47	8%	0
003.09	Fat, Soxtec, Eth Ext (%)	2012	3.7650	0.59000	7.0032	0.72165	0.09643	23	-4.49	23%	1
003.10	Fat, Soxtec, Pet Ether (%)	0619	2.6050	0.05000	4.2603	0.84325	0.12766	25	-1.96	19%	0
003.10	Fat, Soxtec, Pet Ether (%)	0609	3.2950	0.01000	4.2603	0.84325	0.12766	25	-1.14	11%	0
003.10	Fat, Soxtec, Pet Ether (%)	2022	3.3200	0.02000	4.2603	0.84325	0.12766	25	-1.12	11%	0
003.10	Fat, Soxtec, Pet Ether (%)	0695	3.4030	0.00800	4.2603	0.84325	0.12766	25	-1.02	10%	0
003.10	Fat, Soxtec, Pet Ether (%)	2009	3.4828	0.23440	4.2603	0.84325	0.12766	25	-0.92	9%	0
003.10	Fat, Soxtec, Pet Ether (%)	0728	3.5050	0.03000	4.2603	0.84325	0.12766	25	-0.90	9%	0
003.10	Fat, Soxtec, Pet Ether (%)	0861	3.6800	0.08000	4.2603	0.84325	0.12766	25	-0.69	7%	0
003.10	Fat, Soxtec, Pet Ether (%)	0553	3.8000	0.78000	4.2603	0.84325	0.12766	25	-0.55	5%	0
003.10	Fat, Soxtec, Pet Ether (%)	0952	3.8350	0.03000	4.2603	0.84325	0.12766	25	-0.50	5%	0
003.10	Fat, Soxtec, Pet Ether (%)	0036	3.9884	0.00750	4.2603	0.84325	0.12766	25	-0.32	3%	0
003.10	Fat, Soxtec, Pet Ether (%)	0098	4.0250	0.27000	4.2603	0.84325	0.12766	25	-0.28	3%	0



Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
003.10	Fat, Soxtec, Pet Ether (%)	2011	4.0750	0.27000	4.2603	0.84325	0.12766	25	-0.22	2%	0
003.10	Fat, Soxtec, Pet Ether (%)	0242	4.1300	0.10000	4.2603	0.84325	0.12766	25	-0.15	2%	0
003.10	Fat, Soxtec, Pet Ether (%)	0178	4.1350	0.01000	4.2603	0.84325	0.12766	25	-0.15	1%	0
003.10	Fat, Soxtec, Pet Ether (%)	2003	4.5421	0.00090	4.2603	0.84325	0.12766	25	0.33	3%	0
003.10	Fat, Soxtec, Pet Ether (%)	0868	4.6150	0.01000	4.2603	0.84325	0.12766	25	0.42	4%	0
003.10	Fat, Soxtec, Pet Ether (%)	0629	4.6550	0.01000	4.2603	0.84325	0.12766	25	0.47	5%	0
003.10	Fat, Soxtec, Pet Ether (%)	0651	4.6760	0.16000	4.2603	0.84325	0.12766	25	0.49	5%	0
003.10	Fat, Soxtec, Pet Ether (%)	2073	4.7100	0.02000	4.2603	0.84325	0.12766	25	0.53	5%	0
003.10	Fat, Soxtec, Pet Ether (%)	0889	5.0650	0.05000	4.2603	0.84325	0.12766	25	0.95	9%	0
003.10	Fat, Soxtec, Pet Ether (%)	0366	5.1000	0.40000	4.2603	0.84325	0.12766	25	1.00	10%	0
003.10	Fat, Soxtec, Pet Ether (%)	0720	5.2700	0.04000	4.2603	0.84325	0.12766	25	1.20	12%	0
003.10	Fat, Soxtec, Pet Ether (%)	0100	5.3650	0.07000	4.2603	0.84325	0.12766	25	1.31	13%	0
003.10	Fat, Soxtec, Pet Ether (%)	0693	6.0946	0.09880	4.2603	0.84325	0.12766	25	2.18	22%	0
003.10	Fat, Soxtec, Pet Ether (%)	0062	6.5700	0.43200	4.2603	0.84325	0.12766	25	2.74	27%	0
003.10	Fat, Soxtec, Pet Ether (%)	0208	4.4350	1.2100	4.2603	0.84325	0.12766	25	0.21	2%	1
003.11	Fat, NIR (%)	0720	5.1700	0.02000	6.0640	0.58454	0.12000	5	-1.53	7%	0
003.11	Fat, NIR (%)	0889	5.9100	0.20000	6.0640	0.58454	0.12000	5	-0.26	1%	0
003.11	Fat, NIR (%)	2036	6.1050	0.35000	6.0640	0.58454	0.12000	5	0.07	0%	0
003.11	Fat, NIR (%)	0852	6.4350	0.03000	6.0640	0.58454	0.12000	5	0.63	3%	0
003.11	Fat, NIR (%)	0613	6.7000	0.00000	6.0640	0.58454	0.12000	5	1.09	5%	0
003.12	Fat, Hexane Ext (%)	0940	2.9000	0.10000	3.5083	0.56075	0.02571	7	-1.08	9%	0
003.12	Fat, Hexane Ext (%)	0893	3.1100	0.00000	3.5083	0.56075	0.02571	7	-0.71	6%	0
003.12	Fat, Hexane Ext (%)	0934	3.2650	0.03000	3.5083	0.56075	0.02571	7	-0.43	3%	0
003.12	Fat, Hexane Ext (%)	0897	3.3100	0.02000	3.5083	0.56075	0.02571	7	-0.35	3%	0
003.12	Fat, Hexane Ext (%)	0900	3.6850	0.01000	3.5083	0.56075	0.02571	7	0.32	3%	0
003.12	Fat, Hexane Ext (%)	0903	4.5050	0.01000	3.5083	0.56075	0.02571	7	1.78	14%	0
003.12	Fat, Hexane Ext (%)	0895	5.8850	0.01000	3.5083	0.56075	0.02571	7	4.24	34%	0
003.12	Fat, Hexane Ext (%)	0171	4.6700	0.22000	3.5083	0.56075	0.02571	7	2.07	17%	1
003.13	Fat, Soxtec, Hexane Ext. (%)	0028	3.4850	0.57000	5.1213	1.4248	0.28400	7	-1.15	16%	0
003.13	Fat, Soxtec, Hexane Ext. (%)	0681	3.4950	0.27000	5.1213	1.4248	0.28400	7	-1.14	16%	0
003.13	Fat, Soxtec, Hexane Ext. (%)	0205	4.9490	0.04800	5.1213	1.4248	0.28400	7	-0.12	2%	0
003.13	Fat, Soxtec, Hexane Ext. (%)	0646	5.0950	0.11000	5.1213	1.4248	0.28400	7	-0.02	0%	0
003.13	Fat, Soxtec, Hexane Ext. (%)	0123	6.1150	0.07000	5.1213	1.4248	0.28400	7	0.70	10%	0
003.13	Fat, Soxtec, Hexane Ext. (%)	2089	6.1450	0.91000	5.1213	1.4248	0.28400	7	0.72	10%	0
003.13	Fat, Soxtec, Hexane Ext. (%)	2006	6.5650	0.01000	5.1213	1.4248	0.28400	7	1.01	14%	0
003.14	Fat, Ankom (%)	0019	3.1450	0.29000	3.9902	0.55826	0.14966	36	-1.51	11%	0
003.14	Fat, Ankom (%)	0229	3.2150	0.03000	3.9902	0.55826	0.14966	36	-1.39	10%	0
003.14	Fat, Ankom (%)	0049	3.3250	0.03000	3.9902	0.55826	0.14966	36	-1.19	8%	0
003.14	Fat, Ankom (%)	0037	3.3900	0.10000	3.9902	0.55826	0.14966	36	-1.08	8%	0
003.14	Fat, Ankom (%)	0004	3.4000	0.14000	3.9902	0.55826	0.14966	36	-1.06	7%	0
003.14	Fat, Ankom (%)	0357	3.5000	0.00000	3.9902	0.55826	0.14966	36	-0.88	6%	0
003.14	Fat, Ankom (%)	0144	3.5050	0.09000	3.9902	0.55826	0.14966	36	-0.87	6%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
003.14	Fat, Ankom (%)	0598	3.5500	0.18000	3.9902	0.55826	0.14966	36	-0.79	6%	0
003.14	Fat, Ankom (%)	0009	3.5600	0.28000	3.9902	0.55826	0.14966	36	-0.77	5%	0
003.14	Fat, Ankom (%)	0955	3.6350	0.11000	3.9902	0.55826	0.14966	36	-0.64	4%	0
003.14	Fat, Ankom (%)	0001	3.6855	0.04300	3.9902	0.55826	0.14966	36	-0.55	4%	0
003.14	Fat, Ankom (%)	0358	3.7000	0.36000	3.9902	0.55826	0.14966	36	-0.52	4%	0
003.14	Fat, Ankom (%)	0692	3.7000	0.40000	3.9902	0.55826	0.14966	36	-0.52	4%	0
003.14	Fat, Ankom (%)	0520	3.7100	0.24000	3.9902	0.55826	0.14966	36	-0.50	4%	0
003.14	Fat, Ankom (%)	0278	3.7500	0.10000	3.9902	0.55826	0.14966	36	-0.43	3%	0
003.14	Fat, Ankom (%)	0202	3.7850	0.21000	3.9902	0.55826	0.14966	36	-0.37	3%	0
003.14	Fat, Ankom (%)	0937	3.8100	0.04000	3.9902	0.55826	0.14966	36	-0.32	2%	0
003.14	Fat, Ankom (%)	0956	3.8500	0.10000	3.9902	0.55826	0.14966	36	-0.25	2%	0
003.14	Fat, Ankom (%)	0529	3.8550	0.03000	3.9902	0.55826	0.14966	36	-0.24	2%	0
003.14	Fat, Ankom (%)	0407	3.9741	0.18690	3.9902	0.55826	0.14966	36	-0.03	0%	0
003.14	Fat, Ankom (%)	0034	4.0450	0.07000	3.9902	0.55826	0.14966	36	0.10	1%	0
003.14	Fat, Ankom (%)	0108	4.0950	0.65000	3.9902	0.55826	0.14966	36	0.19	1%	0
003.14	Fat, Ankom (%)	0066	4.1550	0.31000	3.9902	0.55826	0.14966	36	0.30	2%	0
003.14	Fat, Ankom (%)	0183	4.1733	0.05790	3.9902	0.55826	0.14966	36	0.33	2%	0
003.14	Fat, Ankom (%)	0613	4.3450	0.11000	3.9902	0.55826	0.14966	36	0.64	4%	0
003.14	Fat, Ankom (%)	0265	4.4700	0.24000	3.9902	0.55826	0.14966	36	0.86	6%	0
003.14	Fat, Ankom (%)	2058	4.6600	0.04000	3.9902	0.55826	0.14966	36	1.20	8%	0
003.14	Fat, Ankom (%)	0619	4.9600	0.10000	3.9902	0.55826	0.14966	36	1.74	12%	0
003.14	Fat, Ankom (%)	0574	5.1400	0.16000	3.9902	0.55826	0.14966	36	2.06	14%	0
003.14	Fat, Ankom (%)	0948	5.2950	0.11000	3.9902	0.55826	0.14966	36	2.34	16%	0
003.14	Fat, Ankom (%)	0726	5.7300	0.02000	3.9902	0.55826	0.14966	36	3.12	22%	0
003.14	Fat, Ankom (%)	0015	5.9450	0.15000	3.9902	0.55826	0.14966	36	3.50	24%	0
003.14	Fat, Ankom (%)	0848	5.9800	0.08000	3.9902	0.55826	0.14966	36	3.56	25%	0
003.14	Fat, Ankom (%)	0843	6.0300	0.00000	3.9902	0.55826	0.14966	36	3.65	26%	0
003.14	Fat, Ankom (%)	0413	6.6000	0.20000	3.9902	0.55826	0.14966	36	4.67	33%	0
003.14	Fat, Ankom (%)	0190	7.3850	0.13000	3.9902	0.55826	0.14966	36	6.08	43%	0
003.14	Fat, Ankom (%)	2075	4.9300	2.6200	3.9902	0.55826	0.14966	36	1.68	12%	1
003.99	Fat, Miscellaneous (%)	0536	3.7900	0.02000	5.9700	1.9278	0.05333	3			0
003.99	Fat, Miscellaneous (%)	0047	6.6700	0.00000	5.9700	1.9278	0.05333	3			0
003.99	Fat, Miscellaneous (%)	1019	7.4500	0.14000	5.9700	1.9278	0.05333	3			0
004.00	Fiber, Crude, Asbestos Free (%)	2023	5.2450	0.11000	5.8430	0.23402	0.15960	21	-2.56	5%	0
004.00	Fiber, Crude, Asbestos Free (%)	0681	5.3500	0.24000	5.8430	0.23402	0.15960	21	-2.11	4%	0
004.00	Fiber, Crude, Asbestos Free (%)	0884	5.5000	0.40000	5.8430	0.23402	0.15960	21	-1.47	3%	0
004.00	Fiber, Crude, Asbestos Free (%)	0345	5.5800	0.06000	5.8430	0.23402	0.15960	21	-1.12	2%	0
004.00	Fiber, Crude, Asbestos Free (%)	0169	5.6900	0.00000	5.8430	0.23402	0.15960	21	-0.65	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	2004	5.7100	0.14000	5.8430	0.23402	0.15960	21	-0.57	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	0309	5.7247	0.08360	5.8430	0.23402	0.15960	21	-0.51	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	2011	5.7250	0.03000	5.8430	0.23402	0.15960	21	-0.50	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	0353	5.8350	0.09000	5.8430	0.23402	0.15960	21	-0.03	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	Robust SD	R-bar	# Labs			
004.00	Fiber, Crude, Asbestos Free (%)	2076	5.8350	0.56800	5.8430	0.23402	0.15960	21	-0.03	0%	0
004.00	Fiber, Crude, Asbestos Free (%)	0164	5.8500	0.10000	5.8430	0.23402	0.15960	21	0.03	0%	0
004.00	Fiber, Crude, Asbestos Free (%)	0226	5.8500	0.10000	5.8430	0.23402	0.15960	21	0.03	0%	0
004.00	Fiber, Crude, Asbestos Free (%)	0208	5.8750	0.09000	5.8430	0.23402	0.15960	21	0.14	0%	0
004.00	Fiber, Crude, Asbestos Free (%)	2073	5.8900	0.16000	5.8430	0.23402	0.15960	21	0.20	0%	0
004.00	Fiber, Crude, Asbestos Free (%)	0943	5.9250	0.05000	5.8430	0.23402	0.15960	21	0.35	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	0354	5.9750	0.13000	5.8430	0.23402	0.15960	21	0.56	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	0175	6.0350	0.07000	5.8430	0.23402	0.15960	21	0.82	2%	0
004.00	Fiber, Crude, Asbestos Free (%)	0171	6.1150	0.01000	5.8430	0.23402	0.15960	21	1.16	2%	0
004.00	Fiber, Crude, Asbestos Free (%)	0511	6.1500	0.30000	5.8430	0.23402	0.15960	21	1.31	3%	0
004.00	Fiber, Crude, Asbestos Free (%)	0504	6.4300	0.32000	5.8430	0.23402	0.15960	21	2.51	5%	0
004.00	Fiber, Crude, Asbestos Free (%)	0876	7.2500	0.30000	5.8430	0.23402	0.15960	21	6.01	12%	0
004.01	Fiber, Sing Filt (%)	0366	6.7000	0.40000			0.40000	1			0
004.03	Fiber, Fritted Glass (%)	2068	5.9400	0.08000			0.06300	2			0
004.03	Fiber, Fritted Glass (%)	0693	7.1304	0.04600			0.06300	2			0
004.06	Fiber, Fibertec (%)	0900	4.5400	0.02000	5.8621	0.39739	0.09097	27	-3.33	11%	0
004.06	Fiber, Fibertec (%)	0675	5.2050	0.07000	5.8621	0.39739	0.09097	27	-1.65	6%	0
004.06	Fiber, Fibertec (%)	2091	5.2750	0.15000	5.8621	0.39739	0.09097	27	-1.48	5%	0
004.06	Fiber, Fibertec (%)	0590	5.5050	0.01000	5.8621	0.39739	0.09097	27	-0.90	3%	0
004.06	Fiber, Fibertec (%)	0893	5.5400	0.00000	5.8621	0.39739	0.09097	27	-0.81	3%	0
004.06	Fiber, Fibertec (%)	0968	5.5455	0.09900	5.8621	0.39739	0.09097	27	-0.80	3%	0
004.06	Fiber, Fibertec (%)	2022	5.5500	0.02000	5.8621	0.39739	0.09097	27	-0.79	3%	0
004.06	Fiber, Fibertec (%)	0885	5.5792	0.05820	5.8621	0.39739	0.09097	27	-0.71	2%	0
004.06	Fiber, Fibertec (%)	0098	5.6500	0.26000	5.8621	0.39739	0.09097	27	-0.53	2%	0
004.06	Fiber, Fibertec (%)	0897	5.6800	0.02000	5.8621	0.39739	0.09097	27	-0.46	2%	0
004.06	Fiber, Fibertec (%)	2006	5.6950	0.03000	5.8621	0.39739	0.09097	27	-0.42	1%	0
004.06	Fiber, Fibertec (%)	0512	5.7270	0.12600	5.8621	0.39739	0.09097	27	-0.34	1%	0
004.06	Fiber, Fibertec (%)	0205	5.8740	0.02800	5.8621	0.39739	0.09097	27	0.03	0%	0
004.06	Fiber, Fibertec (%)	0934	5.9050	0.01000	5.8621	0.39739	0.09097	27	0.11	0%	0
004.06	Fiber, Fibertec (%)	0676	5.9450	0.39000	5.8621	0.39739	0.09097	27	0.21	1%	0
004.06	Fiber, Fibertec (%)	0728	5.9600	0.30000	5.8621	0.39739	0.09097	27	0.25	1%	0
004.06	Fiber, Fibertec (%)	0845	5.9600	0.06000	5.8621	0.39739	0.09097	27	0.25	1%	0
004.06	Fiber, Fibertec (%)	0027	5.9625	0.00500	5.8621	0.39739	0.09097	27	0.25	1%	0
004.06	Fiber, Fibertec (%)	0918	5.9700	0.18000	5.8621	0.39739	0.09097	27	0.27	1%	0
004.06	Fiber, Fibertec (%)	0638	6.0500	0.10000	5.8621	0.39739	0.09097	27	0.47	2%	0
004.06	Fiber, Fibertec (%)	0952	6.1500	0.12000	5.8621	0.39739	0.09097	27	0.72	2%	0
004.06	Fiber, Fibertec (%)	0722	6.1701	0.10990	5.8621	0.39739	0.09097	27	0.78	3%	0
004.06	Fiber, Fibertec (%)	0948	6.2050	0.07000	5.8621	0.39739	0.09097	27	0.86	3%	0
004.06	Fiber, Fibertec (%)	0720	6.3500	0.20000	5.8621	0.39739	0.09097	27	1.23	4%	0
004.06	Fiber, Fibertec (%)	0674	6.4400	0.00000	5.8621	0.39739	0.09097	27	1.45	5%	0
004.06	Fiber, Fibertec (%)	0868	6.4650	0.01000	5.8621	0.39739	0.09097	27	1.52	5%	0
004.06	Fiber, Fibertec (%)	0895	6.7850	0.01000	5.8621	0.39739	0.09097	27	2.32	8%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
004.06	Fiber, Fibertec (%)	0552	6.4950	0.65000	5.8621	0.39739	0.09097	27	1.59	5%	1
004.06	Fiber, Fibertec (%)	0609	6.9850	0.63000	5.8621	0.39739	0.09097	27	2.83	10%	1
004.07	Fiber, ANKOM (%)	0265	3.5650	0.25000	5.6096	0.58104	0.21326	55	-3.52	18%	0
004.07	Fiber, ANKOM (%)	0619	4.6900	0.12000	5.6096	0.58104	0.21326	55	-1.58	8%	0
004.07	Fiber, ANKOM (%)	0407	4.7252	0.05070	5.6096	0.58104	0.21326	55	-1.52	8%	0
004.07	Fiber, ANKOM (%)	0026	4.7300	0.04000	5.6096	0.58104	0.21326	55	-1.51	8%	0
004.07	Fiber, ANKOM (%)	0861	4.8150	0.13000	5.6096	0.58104	0.21326	55	-1.37	7%	0
004.07	Fiber, ANKOM (%)	0123	4.9350	0.13000	5.6096	0.58104	0.21326	55	-1.16	6%	0
004.07	Fiber, ANKOM (%)	0100	4.9500	0.10000	5.6096	0.58104	0.21326	55	-1.14	6%	0
004.07	Fiber, ANKOM (%)	2012	5.0000	0.32000	5.6096	0.58104	0.21326	55	-1.05	5%	0
004.07	Fiber, ANKOM (%)	2058	5.0800	0.20000	5.6096	0.58104	0.21326	55	-0.91	5%	0
004.07	Fiber, ANKOM (%)	0035	5.1200	0.28000	5.6096	0.58104	0.21326	55	-0.84	4%	0
004.07	Fiber, ANKOM (%)	0003	5.1300	0.06000	5.6096	0.58104	0.21326	55	-0.83	4%	0
004.07	Fiber, ANKOM (%)	0505	5.1450	0.05000	5.6096	0.58104	0.21326	55	-0.80	4%	0
004.07	Fiber, ANKOM (%)	0413	5.1500	0.10000	5.6096	0.58104	0.21326	55	-0.79	4%	0
004.07	Fiber, ANKOM (%)	0019	5.2000	0.68000	5.6096	0.58104	0.21326	55	-0.70	4%	0
004.07	Fiber, ANKOM (%)	0510	5.2000	0.40000	5.6096	0.58104	0.21326	55	-0.70	4%	0
004.07	Fiber, ANKOM (%)	0910	5.2000	0.60000	5.6096	0.58104	0.21326	55	-0.70	4%	0
004.07	Fiber, ANKOM (%)	0190	5.2500	0.10000	5.6096	0.58104	0.21326	55	-0.62	3%	0
004.07	Fiber, ANKOM (%)	0202	5.3750	0.01000	5.6096	0.58104	0.21326	55	-0.40	2%	0
004.07	Fiber, ANKOM (%)	0692	5.4000	0.40000	5.6096	0.58104	0.21326	55	-0.36	2%	0
004.07	Fiber, ANKOM (%)	2053	5.4050	0.05000	5.6096	0.58104	0.21326	55	-0.35	2%	0
004.07	Fiber, ANKOM (%)	0242	5.4750	0.29000	5.6096	0.58104	0.21326	55	-0.23	1%	0
004.07	Fiber, ANKOM (%)	0354	5.4750	0.09000	5.6096	0.58104	0.21326	55	-0.23	1%	0
004.07	Fiber, ANKOM (%)	0066	5.4900	0.42000	5.6096	0.58104	0.21326	55	-0.21	1%	0
004.07	Fiber, ANKOM (%)	0520	5.4900	0.50000	5.6096	0.58104	0.21326	55	-0.21	1%	0
004.07	Fiber, ANKOM (%)	0300	5.5482	0.42770	5.6096	0.58104	0.21326	55	-0.11	1%	0
004.07	Fiber, ANKOM (%)	0726	5.5500	0.10000	5.6096	0.58104	0.21326	55	-0.10	1%	0
004.07	Fiber, ANKOM (%)	0610	5.5550	0.11000	5.6096	0.58104	0.21326	55	-0.09	0%	0
004.07	Fiber, ANKOM (%)	0098	5.6000	0.56000	5.6096	0.58104	0.21326	55	-0.02	0%	0
004.07	Fiber, ANKOM (%)	0613	5.6050	0.37000	5.6096	0.58104	0.21326	55	-0.01	0%	0
004.07	Fiber, ANKOM (%)	0034	5.6100	0.52000	5.6096	0.58104	0.21326	55	0.00	0%	0
004.07	Fiber, ANKOM (%)	0263	5.6915	0.04300	5.6096	0.58104	0.21326	55	0.14	1%	0
004.07	Fiber, ANKOM (%)	0563	5.7188	0.27590	5.6096	0.58104	0.21326	55	0.19	1%	0
004.07	Fiber, ANKOM (%)	0708	5.7250	0.21000	5.6096	0.58104	0.21326	55	0.20	1%	0
004.07	Fiber, ANKOM (%)	0529	5.7550	0.01000	5.6096	0.58104	0.21326	55	0.25	1%	0
004.07	Fiber, ANKOM (%)	0598	5.7850	0.53000	5.6096	0.58104	0.21326	55	0.30	2%	0
004.07	Fiber, ANKOM (%)	0956	5.8000	0.20000	5.6096	0.58104	0.21326	55	0.33	2%	0
004.07	Fiber, ANKOM (%)	0004	5.8150	0.21000	5.6096	0.58104	0.21326	55	0.35	2%	0
004.07	Fiber, ANKOM (%)	0646	5.8750	0.01000	5.6096	0.58104	0.21326	55	0.46	2%	0
004.07	Fiber, ANKOM (%)	0643	5.8900	0.04000	5.6096	0.58104	0.21326	55	0.48	2%	0
004.07	Fiber, ANKOM (%)	0148	5.9000	0.08000	5.6096	0.58104	0.21326	55	0.50	3%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
004.07	Fiber, ANKOM (%)	0848	5.9350	0.05000	5.6096	0.58104	0.21326	55	0.56	3%	0
004.07	Fiber, ANKOM (%)	0553	6.0350	0.35000	5.6096	0.58104	0.21326	55	0.73	4%	0
004.07	Fiber, ANKOM (%)	0074	6.0700	0.40000	5.6096	0.58104	0.21326	55	0.79	4%	0
004.07	Fiber, ANKOM (%)	0948	6.0900	0.06000	5.6096	0.58104	0.21326	55	0.83	4%	0
004.07	Fiber, ANKOM (%)	0937	6.1250	0.05000	5.6096	0.58104	0.21326	55	0.89	5%	0
004.07	Fiber, ANKOM (%)	0009	6.1450	0.05000	5.6096	0.58104	0.21326	55	0.92	5%	0
004.07	Fiber, ANKOM (%)	0849	6.1490	0.02200	5.6096	0.58104	0.21326	55	0.93	5%	0
004.07	Fiber, ANKOM (%)	0229	6.2250	0.05000	5.6096	0.58104	0.21326	55	1.06	5%	0
004.07	Fiber, ANKOM (%)	0083	6.3450	0.17000	5.6096	0.58104	0.21326	55	1.27	7%	0
004.07	Fiber, ANKOM (%)	0144	6.3750	0.11000	5.6096	0.58104	0.21326	55	1.32	7%	0
004.07	Fiber, ANKOM (%)	0178	6.4500	0.10000	5.6096	0.58104	0.21326	55	1.45	7%	0
004.07	Fiber, ANKOM (%)	0955	6.5650	0.75000	5.6096	0.58104	0.21326	55	1.64	9%	0
004.07	Fiber, ANKOM (%)	0278	6.7500	0.10000	5.6096	0.58104	0.21326	55	1.96	10%	0
004.07	Fiber, ANKOM (%)	2075	6.9500	0.10000	5.6096	0.58104	0.21326	55	2.31	12%	0
004.07	Fiber, ANKOM (%)	0294	8.4500	0.30000	5.6096	0.58104	0.21326	55	4.89	25%	0
004.11	Fiber, NIR (%)	2036	4.0750	0.85000	5.2400	0.47019	0.21400	5	-2.48	11%	0
004.11	Fiber, NIR (%)	0889	4.6350	0.05000	5.2400	0.47019	0.21400	5	-1.29	6%	0
004.11	Fiber, NIR (%)	0720	5.1000	0.00000	5.2400	0.47019	0.21400	5	-0.30	1%	0
004.11	Fiber, NIR (%)	0613	5.6050	0.11000	5.2400	0.47019	0.21400	5	0.78	3%	0
004.11	Fiber, NIR (%)	0852	5.6200	0.06000	5.2400	0.47019	0.21400	5	0.81	4%	0
004.99	Fiber, Miscellaneous (%)	0610	5.4250	0.05000	5.5517	0.21508	0.31000	3			0
004.99	Fiber, Miscellaneous (%)	0940	5.4300	0.68000	5.5517	0.21508	0.31000	3			0
004.99	Fiber, Miscellaneous (%)	0629	5.8000	0.20000	5.5517	0.21508	0.31000	3			0
005.00	Ash, 2h @ 600°C (%)	0948	12.885	0.05000	13.182	0.11451	0.06388	83	-2.59	1%	0
005.00	Ash, 2h @ 600°C (%)	0278	12.900	0.02000	13.182	0.11451	0.06388	83	-2.46	1%	0
005.00	Ash, 2h @ 600°C (%)	0609	12.920	0.04000	13.182	0.11451	0.06388	83	-2.29	1%	0
005.00	Ash, 2h @ 600°C (%)	0959	12.955	0.27000	13.182	0.11451	0.06388	83	-1.98	1%	0
005.00	Ash, 2h @ 600°C (%)	0019	12.960	0.12000	13.182	0.11451	0.06388	83	-1.94	1%	0
005.00	Ash, 2h @ 600°C (%)	0358	12.965	0.07000	13.182	0.11451	0.06388	83	-1.90	1%	0
005.00	Ash, 2h @ 600°C (%)	0552	12.985	0.11000	13.182	0.11451	0.06388	83	-1.72	1%	0
005.00	Ash, 2h @ 600°C (%)	0874	12.990	0.30000	13.182	0.11451	0.06388	83	-1.68	1%	0
005.00	Ash, 2h @ 600°C (%)	0539	12.995	0.09000	13.182	0.11451	0.06388	83	-1.63	1%	0
005.00	Ash, 2h @ 600°C (%)	0123	13.015	0.07000	13.182	0.11451	0.06388	83	-1.46	1%	0
005.00	Ash, 2h @ 600°C (%)	0049	13.035	0.23000	13.182	0.11451	0.06388	83	-1.28	1%	0
005.00	Ash, 2h @ 600°C (%)	0596	13.045	0.05000	13.182	0.11451	0.06388	83	-1.20	1%	0
005.00	Ash, 2h @ 600°C (%)	2068	13.045	0.01000	13.182	0.11451	0.06388	83	-1.20	1%	0
005.00	Ash, 2h @ 600°C (%)	0622	13.049	0.09180	13.182	0.11451	0.06388	83	-1.16	1%	0
005.00	Ash, 2h @ 600°C (%)	0650	13.050	0.04000	13.182	0.11451	0.06388	83	-1.15	1%	0
005.00	Ash, 2h @ 600°C (%)	0164	13.055	0.01000	13.182	0.11451	0.06388	83	-1.11	0%	0
005.00	Ash, 2h @ 600°C (%)	2012	13.055	0.07000	13.182	0.11451	0.06388	83	-1.11	0%	0
005.00	Ash, 2h @ 600°C (%)	0148	13.065	0.03000	13.182	0.11451	0.06388	83	-1.02	0%	0
005.00	Ash, 2h @ 600°C (%)	0957	13.095	0.15000	13.182	0.11451	0.06388	83	-0.76	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	Robust SD	R-bar	# Labs			
005.00	Ash, 2h @ 600°C (%)	0674	13.100	0.00000	13.182	0.11451	0.06388	83	-0.72	0%	0
005.00	Ash, 2h @ 600°C (%)	0108	13.105	0.05000	13.182	0.11451	0.06388	83	-0.67	0%	0
005.00	Ash, 2h @ 600°C (%)	0171	13.110	0.04000	13.182	0.11451	0.06388	83	-0.63	0%	0
005.00	Ash, 2h @ 600°C (%)	0643	13.115	0.05000	13.182	0.11451	0.06388	83	-0.59	0%	0
005.00	Ash, 2h @ 600°C (%)	2097	13.120	0.07600	13.182	0.11451	0.06388	83	-0.55	0%	0
005.00	Ash, 2h @ 600°C (%)	0681	13.120	0.00000	13.182	0.11451	0.06388	83	-0.54	0%	0
005.00	Ash, 2h @ 600°C (%)	0353	13.120	0.14000	13.182	0.11451	0.06388	83	-0.54	0%	0
005.00	Ash, 2h @ 600°C (%)	0943	13.125	0.01000	13.182	0.11451	0.06388	83	-0.50	0%	0
005.00	Ash, 2h @ 600°C (%)	0035	13.135	0.09000	13.182	0.11451	0.06388	83	-0.41	0%	0
005.00	Ash, 2h @ 600°C (%)	0242	13.135	0.03000	13.182	0.11451	0.06388	83	-0.41	0%	0
005.00	Ash, 2h @ 600°C (%)	0015	13.140	0.22000	13.182	0.11451	0.06388	83	-0.37	0%	0
005.00	Ash, 2h @ 600°C (%)	0354	13.145	0.01000	13.182	0.11451	0.06388	83	-0.32	0%	0
005.00	Ash, 2h @ 600°C (%)	0852	13.150	0.10000	13.182	0.11451	0.06388	83	-0.28	0%	0
005.00	Ash, 2h @ 600°C (%)	0918	13.150	0.04000	13.182	0.11451	0.06388	83	-0.28	0%	0
005.00	Ash, 2h @ 600°C (%)	0651	13.156	0.07900	13.182	0.11451	0.06388	83	-0.23	0%	0
005.00	Ash, 2h @ 600°C (%)	0589	13.165	0.01000	13.182	0.11451	0.06388	83	-0.15	0%	0
005.00	Ash, 2h @ 600°C (%)	0953	13.165	0.03000	13.182	0.11451	0.06388	83	-0.15	0%	0
005.00	Ash, 2h @ 600°C (%)	0958	13.170	0.02000	13.182	0.11451	0.06388	83	-0.11	0%	0
005.00	Ash, 2h @ 600°C (%)	0563	13.175	0.02200	13.182	0.11451	0.06388	83	-0.06	0%	0
005.00	Ash, 2h @ 600°C (%)	0001	13.181	0.02090	13.182	0.11451	0.06388	83	-0.01	0%	0
005.00	Ash, 2h @ 600°C (%)	0142	13.185	0.01000	13.182	0.11451	0.06388	83	0.03	0%	0
005.00	Ash, 2h @ 600°C (%)	0541	13.185	0.01000	13.182	0.11451	0.06388	83	0.03	0%	0
005.00	Ash, 2h @ 600°C (%)	0098	13.190	0.00000	13.182	0.11451	0.06388	83	0.07	0%	0
005.00	Ash, 2h @ 600°C (%)	0693	13.190	0.08670	13.182	0.11451	0.06388	83	0.07	0%	0
005.00	Ash, 2h @ 600°C (%)	2006	13.195	0.01000	13.182	0.11451	0.06388	83	0.11	0%	0
005.00	Ash, 2h @ 600°C (%)	0183	13.196	0.09790	13.182	0.11451	0.06388	83	0.12	0%	0
005.00	Ash, 2h @ 600°C (%)	0407	13.199	0.16280	13.182	0.11451	0.06388	83	0.15	0%	0
005.00	Ash, 2h @ 600°C (%)	0051	13.200	0.00000	13.182	0.11451	0.06388	83	0.16	0%	0
005.00	Ash, 2h @ 600°C (%)	0152	13.200	0.00000	13.182	0.11451	0.06388	83	0.16	0%	0
005.00	Ash, 2h @ 600°C (%)	0169	13.200	0.08000	13.182	0.11451	0.06388	83	0.16	0%	0
005.00	Ash, 2h @ 600°C (%)	0861	13.200	0.02000	13.182	0.11451	0.06388	83	0.16	0%	0
005.00	Ash, 2h @ 600°C (%)	0083	13.205	0.07000	13.182	0.11451	0.06388	83	0.20	0%	0
005.00	Ash, 2h @ 600°C (%)	0100	13.215	0.03000	13.182	0.11451	0.06388	83	0.29	0%	0
005.00	Ash, 2h @ 600°C (%)	0175	13.220	0.04000	13.182	0.11451	0.06388	83	0.33	0%	0
005.00	Ash, 2h @ 600°C (%)	0848	13.220	0.02000	13.182	0.11451	0.06388	83	0.33	0%	0
005.00	Ash, 2h @ 600°C (%)	0722	13.227	0.01110	13.182	0.11451	0.06388	83	0.39	0%	0
005.00	Ash, 2h @ 600°C (%)	0615	13.240	0.04000	13.182	0.11451	0.06388	83	0.51	0%	0
005.00	Ash, 2h @ 600°C (%)	0138	13.243	0.02000	13.182	0.11451	0.06388	83	0.53	0%	0
005.00	Ash, 2h @ 600°C (%)	0520	13.245	0.03000	13.182	0.11451	0.06388	83	0.55	0%	0
005.00	Ash, 2h @ 600°C (%)	0205	13.250	0.02000	13.182	0.11451	0.06388	83	0.59	0%	0
005.00	Ash, 2h @ 600°C (%)	0366	13.250	0.10000	13.182	0.11451	0.06388	83	0.59	0%	0
005.00	Ash, 2h @ 600°C (%)	0845	13.250	0.10000	13.182	0.11451	0.06388	83	0.59	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	Robust SD	R-bar	# Labs			
005.00	Ash, 2h @ 600°C (%)	0956	13.250	0.10000	13.182	0.11451	0.06388	83	0.59	0%	0
005.00	Ash, 2h @ 600°C (%)	2106	13.255	0.03000	13.182	0.11451	0.06388	83	0.64	0%	0
005.00	Ash, 2h @ 600°C (%)	0620	13.256	0.01440	13.182	0.11451	0.06388	83	0.65	0%	0
005.00	Ash, 2h @ 600°C (%)	0968	13.259	0.10500	13.182	0.11451	0.06388	83	0.67	0%	0
005.00	Ash, 2h @ 600°C (%)	0505	13.270	0.04000	13.182	0.11451	0.06388	83	0.77	0%	0
005.00	Ash, 2h @ 600°C (%)	0598	13.275	0.03000	13.182	0.11451	0.06388	83	0.81	0%	0
005.00	Ash, 2h @ 600°C (%)	0553	13.280	0.02000	13.182	0.11451	0.06388	83	0.86	0%	0
005.00	Ash, 2h @ 600°C (%)	0510	13.290	0.02000	13.182	0.11451	0.06388	83	0.94	0%	0
005.00	Ash, 2h @ 600°C (%)	2073	13.295	0.03000	13.182	0.11451	0.06388	83	0.99	0%	0
005.00	Ash, 2h @ 600°C (%)	0208	13.300	0.00000	13.182	0.11451	0.06388	83	1.03	0%	0
005.00	Ash, 2h @ 600°C (%)	0357	13.300	0.00000	13.182	0.11451	0.06388	83	1.03	0%	0
005.00	Ash, 2h @ 600°C (%)	0630	13.325	0.07000	13.182	0.11451	0.06388	83	1.25	1%	0
005.00	Ash, 2h @ 600°C (%)	0961	13.325	0.01000	13.182	0.11451	0.06388	83	1.25	1%	0
005.00	Ash, 2h @ 600°C (%)	0226	13.350	0.30000	13.182	0.11451	0.06388	83	1.47	1%	0
005.00	Ash, 2h @ 600°C (%)	0265	13.375	0.09000	13.182	0.11451	0.06388	83	1.68	1%	0
005.00	Ash, 2h @ 600°C (%)	0504	13.390	0.18000	13.182	0.11451	0.06388	83	1.82	1%	0
005.00	Ash, 2h @ 600°C (%)	0675	13.395	0.03000	13.182	0.11451	0.06388	83	1.86	1%	0
005.00	Ash, 2h @ 600°C (%)	0229	13.400	0.00000	13.182	0.11451	0.06388	83	1.90	1%	0
005.00	Ash, 2h @ 600°C (%)	0309	13.406	0.06890	13.182	0.11451	0.06388	83	1.96	1%	0
005.00	Ash, 2h @ 600°C (%)	0144	13.465	0.05000	13.182	0.11451	0.06388	83	2.47	1%	0
005.00	Ash, 2h @ 600°C (%)	0062	13.508	0.16300	13.182	0.11451	0.06388	83	2.84	1%	0
005.00	Ash, 2h @ 600°C (%)	1019	13.809	0.13270	13.182	0.11451	0.06388	83	5.47	2%	0
005.00	Ash, 2h @ 600°C (%)	0345	14.000	0.80000	13.182	0.11451	0.06388	83	7.14	3%	1
005.02	Ash, LECO (%)	0689	13.220	0.06000			0.06000	1			0
005.05	Ash, 3h @ 550°C (%)	0940	12.975	0.01000	13.262	0.11238	0.05350	32	-2.55	1%	0
005.05	Ash, 3h @ 550°C (%)	0934	13.045	0.01000	13.262	0.11238	0.05350	32	-1.93	1%	0
005.05	Ash, 3h @ 550°C (%)	0695	13.102	0.02700	13.262	0.11238	0.05350	32	-1.43	1%	0
005.05	Ash, 3h @ 550°C (%)	0066	13.120	0.04000	13.262	0.11238	0.05350	32	-1.26	1%	0
005.05	Ash, 3h @ 550°C (%)	0893	13.160	0.00000	13.262	0.11238	0.05350	32	-0.91	0%	0
005.05	Ash, 3h @ 550°C (%)	0038	13.175	0.23000	13.262	0.11238	0.05350	32	-0.78	0%	0
005.05	Ash, 3h @ 550°C (%)	0178	13.180	0.02000	13.262	0.11238	0.05350	32	-0.73	0%	0
005.05	Ash, 3h @ 550°C (%)	0263	13.182	0.01000	13.262	0.11238	0.05350	32	-0.72	0%	0
005.05	Ash, 3h @ 550°C (%)	0849	13.193	0.04600	13.262	0.11238	0.05350	32	-0.61	0%	0
005.05	Ash, 3h @ 550°C (%)	0692	13.200	0.20000	13.262	0.11238	0.05350	32	-0.55	0%	0
005.05	Ash, 3h @ 550°C (%)	0889	13.210	0.14000	13.262	0.11238	0.05350	32	-0.46	0%	0
005.05	Ash, 3h @ 550°C (%)	2091	13.215	0.01000	13.262	0.11238	0.05350	32	-0.42	0%	0
005.05	Ash, 3h @ 550°C (%)	2086	13.220	0.04000	13.262	0.11238	0.05350	32	-0.37	0%	0
005.05	Ash, 3h @ 550°C (%)	0003	13.240	0.04000	13.262	0.11238	0.05350	32	-0.20	0%	0
005.05	Ash, 3h @ 550°C (%)	0590	13.240	0.04000	13.262	0.11238	0.05350	32	-0.20	0%	0
005.05	Ash, 3h @ 550°C (%)	0845	13.250	0.10000	13.262	0.11238	0.05350	32	-0.11	0%	0
005.05	Ash, 3h @ 550°C (%)	2058	13.265	0.09000	13.262	0.11238	0.05350	32	0.03	0%	0
005.05	Ash, 3h @ 550°C (%)	0868	13.285	0.05000	13.262	0.11238	0.05350	32	0.20	0%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
005.05	Ash, 3h @ 550°C (%)	0885	13.287	0.13470	13.262	0.11238	0.05350	32	0.22	0%	0
005.05	Ash, 3h @ 550°C (%)	0413	13.300	0.00000	13.262	0.11238	0.05350	32	0.34	0%	0
005.05	Ash, 3h @ 550°C (%)	0619	13.300	0.00000	13.262	0.11238	0.05350	32	0.34	0%	0
005.05	Ash, 3h @ 550°C (%)	0937	13.300	0.00000	13.262	0.11238	0.05350	32	0.34	0%	0
005.05	Ash, 3h @ 550°C (%)	2009	13.311	0.11420	13.262	0.11238	0.05350	32	0.43	0%	0
005.05	Ash, 3h @ 550°C (%)	0897	13.330	0.00000	13.262	0.11238	0.05350	32	0.60	0%	0
005.05	Ash, 3h @ 550°C (%)	0900	13.330	0.02000	13.262	0.11238	0.05350	32	0.60	0%	0
005.05	Ash, 3h @ 550°C (%)	0294	13.350	0.10000	13.262	0.11238	0.05350	32	0.78	0%	0
005.05	Ash, 3h @ 550°C (%)	0610	13.365	0.01000	13.262	0.11238	0.05350	32	0.92	0%	0
005.05	Ash, 3h @ 550°C (%)	0685	13.415	0.01000	13.262	0.11238	0.05350	32	1.36	1%	0
005.05	Ash, 3h @ 550°C (%)	0903	13.415	0.01000	13.262	0.11238	0.05350	32	1.36	1%	0
005.05	Ash, 3h @ 550°C (%)	0895	13.465	0.01000	13.262	0.11238	0.05350	32	1.81	1%	0
005.05	Ash, 3h @ 550°C (%)	0921	13.560	0.12000	13.262	0.11238	0.05350	32	2.65	1%	0
005.05	Ash, 3h @ 550°C (%)	0720	13.610	0.08000	13.262	0.11238	0.05350	32	3.10	1%	0
005.05	Ash, 3h @ 550°C (%)	2011	13.320	0.30000	13.262	0.11238	0.05350	32	0.52	0%	1
005.05	Ash, 3h @ 550°C (%)	0638	5.1600	0.04000	13.262	0.11238	0.05350	32	-72.10	31%	2
005.11	Ash, NIR (%)	2036	8.4350	0.35000	11.405	2.9762	0.13800	5	-1.00	13%	0
005.11	Ash, NIR (%)	0613	9.6700	0.08000	11.405	2.9762	0.13800	5	-0.58	8%	0
005.11	Ash, NIR (%)	0720	9.7800	0.04000	11.405	2.9762	0.13800	5	-0.55	7%	0
005.11	Ash, NIR (%)	0889	13.890	0.16000	11.405	2.9762	0.13800	5	0.83	11%	0
005.11	Ash, NIR (%)	0852	15.250	0.06000	11.405	2.9762	0.13800	5	1.29	17%	0
005.99	Ash, Miscellaneous (%)	0536	13.050	0.16000	13.290	0.19720	0.06400	10	-1.22	1%	0
005.99	Ash, Miscellaneous (%)	0202	13.100	0.04000	13.290	0.19720	0.06400	10	-0.96	1%	0
005.99	Ash, Miscellaneous (%)	2004	13.150	0.10000	13.290	0.19720	0.06400	10	-0.71	1%	0
005.99	Ash, Miscellaneous (%)	0574	13.200	0.06000	13.290	0.19720	0.06400	10	-0.46	0%	0
005.99	Ash, Miscellaneous (%)	0613	13.240	0.06000	13.290	0.19720	0.06400	10	-0.25	0%	0
005.99	Ash, Miscellaneous (%)	0884	13.250	0.10000	13.290	0.19720	0.06400	10	-0.20	0%	0
005.99	Ash, Miscellaneous (%)	0728	13.420	0.06000	13.290	0.19720	0.06400	10	0.66	0%	0
005.99	Ash, Miscellaneous (%)	0629	13.465	0.01000	13.290	0.19720	0.06400	10	0.89	1%	0
005.99	Ash, Miscellaneous (%)	2023	13.505	0.01000	13.290	0.19720	0.06400	10	1.09	1%	0
005.99	Ash, Miscellaneous (%)	0676	13.520	0.04000	13.290	0.19720	0.06400	10	1.17	1%	0
006.00	Total sugars, As sucrose (%)	0939	6.7050	0.21000			0.21000	1			0
006.01	Total sugars, Mod. Fehling Soln (%)	0407	7.4350	0.05000			0.05000	1			0
006.99	Total sugars, Miscellaneous (%)	0720	5.5150	0.01000			0.25500	2			0
006.99	Total sugars, Miscellaneous (%)	0956	8.8500	0.50000			0.25500	2			0
008.02	Fiber, Acid Detergent (%)	0504	6.9050	0.19000	7.9843	0.34309	0.15354	7	-3.15	7%	0
008.02	Fiber, Acid Detergent (%)	0675	7.7850	0.15000	7.9843	0.34309	0.15354	7	-0.58	1%	0
008.02	Fiber, Acid Detergent (%)	0728	7.7900	0.24000	7.9843	0.34309	0.15354	7	-0.57	1%	0
008.02	Fiber, Acid Detergent (%)	0098	7.9650	0.07000	7.9843	0.34309	0.15354	7	-0.06	0%	0
008.02	Fiber, Acid Detergent (%)	0309	8.0552	0.25480	7.9843	0.34309	0.15354	7	0.21	0%	0
008.02	Fiber, Acid Detergent (%)	0353	8.3650	0.09000	7.9843	0.34309	0.15354	7	1.11	2%	0
008.02	Fiber, Acid Detergent (%)	0609	8.4600	0.08000	7.9843	0.34309	0.15354	7	1.39	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	Robust SD	R-bar	# Labs			
008.05	Fiber, Acid Detergent-Hach (%)	0265	7.8500	0.10000			0.10000	1			0
008.08	Fiber, Acid Detergent, ANKOM (%)	0354	5.4000	0.14000	7.4824	1.0497	0.30268	25	-1.98	14%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0861	5.9650	0.87000	7.4824	1.0497	0.30268	25	-1.45	10%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	2004	6.2250	0.07000	7.4824	1.0497	0.30268	25	-1.20	8%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0619	6.2300	0.90000	7.4824	1.0497	0.30268	25	-1.19	8%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0563	6.3250	0.19000	7.4824	1.0497	0.30268	25	-1.10	8%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0358	6.5400	0.20000	7.4824	1.0497	0.30268	25	-0.90	6%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0407	6.7914	0.04560	7.4824	1.0497	0.30268	25	-0.66	5%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	2012	6.8100	0.64000	7.4824	1.0497	0.30268	25	-0.64	4%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0413	6.9500	0.30000	7.4824	1.0497	0.30268	25	-0.51	4%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0049	7.3250	0.71000	7.4824	1.0497	0.30268	25	-0.15	1%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0178	7.3750	0.29000	7.4824	1.0497	0.30268	25	-0.10	1%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0263	7.4365	0.02700	7.4824	1.0497	0.30268	25	-0.04	0%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0357	7.6000	0.40000	7.4824	1.0497	0.30268	25	0.11	1%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0646	7.6550	0.07000	7.4824	1.0497	0.30268	25	0.16	1%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0001	7.8850	0.25000	7.4824	1.0497	0.30268	25	0.38	3%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0510	7.9000	0.60000	7.4824	1.0497	0.30268	25	0.40	3%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0889	7.9000	0.24000	7.4824	1.0497	0.30268	25	0.40	3%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0164	8.0000	0.00000	7.4824	1.0497	0.30268	25	0.49	3%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0037	8.1000	0.08000	7.4824	1.0497	0.30268	25	0.59	4%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0278	8.1500	0.10000	7.4824	1.0497	0.30268	25	0.64	4%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0918	8.2731	0.20900	7.4824	1.0497	0.30268	25	0.75	5%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0083	8.2900	0.22000	7.4824	1.0497	0.30268	25	0.77	5%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0693	8.9798	0.41530	7.4824	1.0497	0.30268	25	1.43	10%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0956	9.1500	0.10000	7.4824	1.0497	0.30268	25	1.59	11%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0294	9.9500	0.50000	7.4824	1.0497	0.30268	25	2.35	16%	0
008.99	Fiber, Acid Detergent Miscellaneous (%)	0720	7.2650	0.17000			0.17000	1			0
009.04	Fiber, Neutral Det-No ENZ Pretreat (%)	0504	19.645	0.23000			0.23000	1			0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0353	17.695	0.01000	19.623	1.7138	0.13944	5	-1.12	5%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0098	18.900	0.40000	19.623	1.7138	0.13944	5	-0.42	2%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0675	19.135	0.01000	19.623	1.7138	0.13944	5	-0.28	1%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0309	20.110	0.22720	19.623	1.7138	0.13944	5	0.28	1%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0609	22.275	0.05000	19.623	1.7138	0.13944	5	1.55	7%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0354	13.145	0.37000	17.257	1.7814	0.36918	25	-2.31	12%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0098	15.000	0.20000	17.257	1.7814	0.36918	25	-1.27	7%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	2004	15.150	0.50000	17.257	1.7814	0.36918	25	-1.18	6%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0619	15.400	0.20000	17.257	1.7814	0.36918	25	-1.04	5%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0861	15.490	0.56000	17.257	1.7814	0.36918	25	-0.99	5%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0598	15.565	0.23000	17.257	1.7814	0.36918	25	-0.95	5%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0407	15.768	0.02530	17.257	1.7814	0.36918	25	-0.84	4%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0563	15.848	0.03440	17.257	1.7814	0.36918	25	-0.79	4%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0049	16.270	1.5800	17.257	1.7814	0.36918	25	-0.55	3%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
009.09	Fiber, Neutral Detergent, ANKOM (%)	0413	16.400	1.2000	17.257	1.7814	0.36918	25	-0.48	2%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0263	16.550	0.28640	17.257	1.7814	0.36918	25	-0.40	2%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0357	17.450	0.30000	17.257	1.7814	0.36918	25	0.11	1%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0164	17.550	0.30000	17.257	1.7814	0.36918	25	0.16	1%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0083	17.845	0.27000	17.257	1.7814	0.36918	25	0.33	2%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0001	18.190	0.08000	17.257	1.7814	0.36918	25	0.52	3%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	2012	18.265	0.49000	17.257	1.7814	0.36918	25	0.57	3%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0889	18.410	0.02000	17.257	1.7814	0.36918	25	0.65	3%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0918	18.471	0.18350	17.257	1.7814	0.36918	25	0.68	4%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0693	18.589	0.38980	17.257	1.7814	0.36918	25	0.75	4%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0294	18.600	0.20000	17.257	1.7814	0.36918	25	0.75	4%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0956	18.750	0.10000	17.257	1.7814	0.36918	25	0.84	4%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0265	18.800	0.20000	17.257	1.7814	0.36918	25	0.87	4%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0510	19.200	0.00000	17.257	1.7814	0.36918	25	1.09	6%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0278	19.400	0.00000	17.257	1.7814	0.36918	25	1.20	6%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0178	19.695	1.5100	17.257	1.7814	0.36918	25	1.37	7%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0037	20.110	2.7800	17.257	1.7814	0.36918	25	1.60	8%	1
009.99	Fiber, Neutral Det Miscellaneous (%)	0889	14.760	0.16000	17.725	2.5691	0.32333	3			0
009.99	Fiber, Neutral Det Miscellaneous (%)	0720	19.125	0.05000	17.725	2.5691	0.32333	3			0
009.99	Fiber, Neutral Det Miscellaneous (%)	0728	19.290	0.76000	17.725	2.5691	0.32333	3			0
010.03	Moisture, Karl-Fischer (%)	0027	6.6200	0.56000	6.9063	0.31637	0.36750	4	-0.90	2%	0
010.03	Moisture, Karl-Fischer (%)	0843	6.6450	0.21000	6.9063	0.31637	0.36750	4	-0.83	2%	0
010.03	Moisture, Karl-Fischer (%)	0164	7.1700	0.50000	6.9063	0.31637	0.36750	4	0.83	2%	0
010.03	Moisture, Karl-Fischer (%)	0208	7.1900	0.20000	6.9063	0.31637	0.36750	4	0.90	2%	0
010.11	Moisture, NIR (%)	0889	7.1450	0.07000	7.6090	0.38510	0.05000	5	-1.20	3%	0
010.11	Moisture, NIR (%)	0038	7.3400	0.04000	7.6090	0.38510	0.05000	5	-0.70	2%	0
010.11	Moisture, NIR (%)	0852	7.6700	0.00000	7.6090	0.38510	0.05000	5	0.16	0%	0
010.11	Moisture, NIR (%)	0720	7.7500	0.04000	7.6090	0.38510	0.05000	5	0.37	1%	0
010.11	Moisture, NIR (%)	2036	8.1400	0.10000	7.6090	0.38510	0.05000	5	1.38	3%	0
010.99	Moisture, Miscellaneous (%)	2051	5.9500	0.10000	7.4413	0.63883	0.18539	21	-2.33	10%	0
010.99	Moisture, Miscellaneous (%)	0168	6.7100	0.28000	7.4413	0.63883	0.18539	21	-1.14	5%	0
010.99	Moisture, Miscellaneous (%)	0692	6.7500	0.70000	7.4413	0.63883	0.18539	21	-1.08	5%	0
010.99	Moisture, Miscellaneous (%)	0946	6.8450	0.11000	7.4413	0.63883	0.18539	21	-0.93	4%	0
010.99	Moisture, Miscellaneous (%)	0028	6.9650	0.11000	7.4413	0.63883	0.18539	21	-0.75	3%	0
010.99	Moisture, Miscellaneous (%)	2004	6.9750	0.01000	7.4413	0.63883	0.18539	21	-0.73	3%	0
010.99	Moisture, Miscellaneous (%)	0019	7.1700	0.08000	7.4413	0.63883	0.18539	21	-0.42	2%	0
010.99	Moisture, Miscellaneous (%)	0722	7.2551	0.01310	7.4413	0.63883	0.18539	21	-0.29	1%	0
010.99	Moisture, Miscellaneous (%)	0917	7.3000	0.00000	7.4413	0.63883	0.18539	21	-0.22	1%	0
010.99	Moisture, Miscellaneous (%)	0948	7.3700	0.06000	7.4413	0.63883	0.18539	21	-0.11	0%	0
010.99	Moisture, Miscellaneous (%)	0910	7.4500	0.50000	7.4413	0.63883	0.18539	21	0.01	0%	0
010.99	Moisture, Miscellaneous (%)	0884	7.5000	0.00000	7.4413	0.63883	0.18539	21	0.09	0%	0
010.99	Moisture, Miscellaneous (%)	0939	7.5050	0.11000	7.4413	0.63883	0.18539	21	0.10	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	Robust SD	R-bar	# Labs			
010.99	Moisture, Miscellaneous (%)	2089	7.5500	0.82000	7.4413	0.63883	0.18539	21	0.17	1%	0
010.99	Moisture, Miscellaneous (%)	0921	7.5500	0.70000	7.4413	0.63883	0.18539	21	0.17	1%	0
010.99	Moisture, Miscellaneous (%)	0952	7.6000	0.04000	7.4413	0.63883	0.18539	21	0.25	1%	0
010.99	Moisture, Miscellaneous (%)	2055	8.0000	0.00000	7.4413	0.63883	0.18539	21	0.87	4%	0
010.99	Moisture, Miscellaneous (%)	2105	8.2750	0.11000	7.4413	0.63883	0.18539	21	1.31	6%	0
010.99	Moisture, Miscellaneous (%)	0190	8.3050	0.03000	7.4413	0.63883	0.18539	21	1.35	6%	0
010.99	Moisture, Miscellaneous (%)	0726	8.3100	0.02000	7.4413	0.63883	0.18539	21	1.36	6%	0
010.99	Moisture, Miscellaneous (%)	0943	8.4700	0.10000	7.4413	0.63883	0.18539	21	1.61	7%	0
010.99	Moisture, Miscellaneous (%)	0555	5.5000	1.2000	7.4413	0.63883	0.18539	21	-3.04	13%	1
011.01	Loss on Drying, 135°C 2hr (%)	1019	7.3450	0.13000	8.6672	0.40945	0.14324	68	-3.23	8%	0
011.01	Loss on Drying, 135°C 2hr (%)	0345	7.4900	0.04000	8.6672	0.40945	0.14324	68	-2.88	7%	0
011.01	Loss on Drying, 135°C 2hr (%)	2073	7.5350	0.23000	8.6672	0.40945	0.14324	68	-2.77	7%	0
011.01	Loss on Drying, 135°C 2hr (%)	0859	7.6815	0.07900	8.6672	0.40945	0.14324	68	-2.41	6%	0
011.01	Loss on Drying, 135°C 2hr (%)	2022	7.6850	0.01000	8.6672	0.40945	0.14324	68	-2.40	6%	0
011.01	Loss on Drying, 135°C 2hr (%)	0175	7.7000	0.60000	8.6672	0.40945	0.14324	68	-2.36	6%	0
011.01	Loss on Drying, 135°C 2hr (%)	0874	7.8550	0.05000	8.6672	0.40945	0.14324	68	-1.98	5%	0
011.01	Loss on Drying, 135°C 2hr (%)	0643	7.9500	0.10000	8.6672	0.40945	0.14324	68	-1.75	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0953	8.0250	0.11000	8.6672	0.40945	0.14324	68	-1.57	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0961	8.1150	0.35000	8.6672	0.40945	0.14324	68	-1.35	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0574	8.1550	0.01000	8.6672	0.40945	0.14324	68	-1.25	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0598	8.3000	0.14000	8.6672	0.40945	0.14324	68	-0.90	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	2075	8.3450	0.15000	8.6672	0.40945	0.14324	68	-0.79	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0208	8.3750	0.31000	8.6672	0.40945	0.14324	68	-0.71	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0051	8.3850	0.19000	8.6672	0.40945	0.14324	68	-0.69	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0620	8.4041	0.23560	8.6672	0.40945	0.14324	68	-0.64	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0138	8.4150	0.03000	8.6672	0.40945	0.14324	68	-0.62	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0675	8.4150	0.03000	8.6672	0.40945	0.14324	68	-0.62	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0226	8.4500	0.10000	8.6672	0.40945	0.14324	68	-0.53	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0148	8.4600	0.10000	8.6672	0.40945	0.14324	68	-0.51	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0957	8.5200	0.34000	8.6672	0.40945	0.14324	68	-0.36	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0098	8.5350	0.17000	8.6672	0.40945	0.14324	68	-0.32	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0511	8.5350	0.01000	8.6672	0.40945	0.14324	68	-0.32	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0650	8.5350	0.31000	8.6672	0.40945	0.14324	68	-0.32	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0520	8.5400	0.20000	8.6672	0.40945	0.14324	68	-0.31	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0100	8.5500	0.30000	8.6672	0.40945	0.14324	68	-0.29	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0300	8.5630	0.05600	8.6672	0.40945	0.14324	68	-0.25	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0407	8.5850	0.00430	8.6672	0.40945	0.14324	68	-0.20	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0358	8.6050	0.25000	8.6672	0.40945	0.14324	68	-0.15	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0026	8.6100	0.62000	8.6672	0.40945	0.14324	68	-0.14	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0968	8.6295	0.03900	8.6672	0.40945	0.14324	68	-0.09	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0685	8.6400	0.04000	8.6672	0.40945	0.14324	68	-0.07	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0646	8.6450	0.41000	8.6672	0.40945	0.14324	68	-0.05	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	Robust SD	R-bar	# Labs			
011.01	Loss on Drying, 135°C 2hr (%)	0541	8.6950	0.25000	8.6672	0.40945	0.14324	68	0.07	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0229	8.7000	0.02000	8.6672	0.40945	0.14324	68	0.08	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	2006	8.7150	0.13000	8.6672	0.40945	0.14324	68	0.12	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0062	8.7210	0.10200	8.6672	0.40945	0.14324	68	0.13	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0171	8.7300	0.02000	8.6672	0.40945	0.14324	68	0.15	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0354	8.7400	0.02000	8.6672	0.40945	0.14324	68	0.18	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0294	8.7500	0.10000	8.6672	0.40945	0.14324	68	0.20	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0164	8.7700	0.22000	8.6672	0.40945	0.14324	68	0.25	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0674	8.7700	0.00000	8.6672	0.40945	0.14324	68	0.25	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0202	8.7750	0.05000	8.6672	0.40945	0.14324	68	0.26	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0553	8.7900	0.18000	8.6672	0.40945	0.14324	68	0.30	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0263	8.8000	0.00000	8.6672	0.40945	0.14324	68	0.32	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0144	8.8050	0.19000	8.6672	0.40945	0.14324	68	0.34	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0843	8.8550	0.33000	8.6672	0.40945	0.14324	68	0.46	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0152	8.9000	0.00000	8.6672	0.40945	0.14324	68	0.57	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0552	8.9300	0.08000	8.6672	0.40945	0.14324	68	0.64	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0563	8.9562	0.02260	8.6672	0.40945	0.14324	68	0.71	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0722	8.9716	0.00660	8.6672	0.40945	0.14324	68	0.74	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0959	8.9800	0.12000	8.6672	0.40945	0.14324	68	0.76	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	2016	8.9950	0.25000	8.6672	0.40945	0.14324	68	0.80	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0039	9.0122	0.15920	8.6672	0.40945	0.14324	68	0.84	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0205	9.0350	0.21000	8.6672	0.40945	0.14324	68	0.90	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0265	9.0500	0.10000	8.6672	0.40945	0.14324	68	0.93	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0651	9.0620	0.01600	8.6672	0.40945	0.14324	68	0.96	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0848	9.0750	0.13000	8.6672	0.40945	0.14324	68	1.00	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0861	9.0750	0.15000	8.6672	0.40945	0.14324	68	1.00	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0066	9.0850	0.15000	8.6672	0.40945	0.14324	68	1.02	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0958	9.1050	0.13000	8.6672	0.40945	0.14324	68	1.07	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0242	9.1350	0.01000	8.6672	0.40945	0.14324	68	1.14	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0539	9.1400	0.62000	8.6672	0.40945	0.14324	68	1.15	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0123	9.1900	0.12000	8.6672	0.40945	0.14324	68	1.28	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0309	9.2800	0.02000	8.6672	0.40945	0.14324	68	1.50	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0108	9.3150	0.03000	8.6672	0.40945	0.14324	68	1.58	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0728	9.4050	0.03000	8.6672	0.40945	0.14324	68	1.80	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	2068	9.4050	0.03000	8.6672	0.40945	0.14324	68	1.80	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0589	8.9350	0.75000	8.6672	0.40945	0.14324	68	0.65	2%	1
011.01	Loss on Drying, 135°C 2hr (%)	0510	12.500	0.20000	8.6672	0.40945	0.14324	68	9.36	22%	2
011.02	Loss on Drying, 130°C for 2 hours (%)	0942	8.1050	0.09000			0.07500	2			0
011.02	Loss on Drying, 130°C for 2 hours (%)	2023	9.0400	0.06000			0.07500	2			0
011.03	Loss on drying, 130°C, 1 hour, Flour (%)	0681	7.4250	0.11000			0.11000	1			0
011.99	Loss on Drying, High Temp. Methods Miscellaneous	0541	7.7800	0.24000	8.7013	0.83343	0.09750	4	-1.11	5%	0
011.99	Loss on Drying, High Temp. Methods Miscellaneous	0857	8.6000	0.00000	8.7013	0.83343	0.09750	4	-0.12	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	Robust SD	R-bar	# Labs			
011.99	Loss on Drying, High Temp. Methods Miscellaneous	2076	8.6200	0.12000	8.7013	0.83343	0.09750	4	-0.10	0%	0
011.99	Loss on Drying, High Temp. Methods Miscellaneous	0852	9.8050	0.03000	8.7013	0.83343	0.09750	4	1.32	6%	0
012.00	Starch, Polarimetric (Ewers) (%)	0609	8.4600	0.12000	9.3883	0.81624	0.20667	6	-1.14	5%	0
012.00	Starch, Polarimetric (Ewers) (%)	0610	9.0000	0.40000	9.3883	0.81624	0.20667	6	-0.48	2%	0
012.00	Starch, Polarimetric (Ewers) (%)	0354	9.0200	0.22000	9.3883	0.81624	0.20667	6	-0.45	2%	0
012.00	Starch, Polarimetric (Ewers) (%)	0619	9.3750	0.13000	9.3883	0.81624	0.20667	6	-0.02	0%	0
012.00	Starch, Polarimetric (Ewers) (%)	2006	10.615	0.07000	9.3883	0.81624	0.20667	6	1.50	7%	0
012.00	Starch, Polarimetric (Ewers) (%)	2023	27.050	0.30000	9.3883	0.81624	0.20667	6	21.64	94%	0
012.01	Starch, Megazyme (%)	2004	7.4050	0.01000	7.9033	0.71688	0.26740	5	-0.70	3%	0
012.01	Starch, Megazyme (%)	0613	7.4650	0.43000	7.9033	0.71688	0.26740	5	-0.61	3%	0
012.01	Starch, Megazyme (%)	0956	7.5000	0.20000	7.9033	0.71688	0.26740	5	-0.56	3%	0
012.01	Starch, Megazyme (%)	0918	8.0465	0.29700	7.9033	0.71688	0.26740	5	0.20	1%	0
012.01	Starch, Megazyme (%)	0265	9.1000	0.40000	7.9033	0.71688	0.26740	5	1.67	8%	0
012.02	Starch, Colorimetric (GOP) (%)	2089	9.7150	0.35000			0.35000	1			0
012.03	Starch, Enzymatic (%)	0098	7.3800	0.02000	7.7833	0.46044	0.05333	3			0
012.03	Starch, Enzymatic (%)	0407	7.6850	0.05000	7.7833	0.46044	0.05333	3			0
012.03	Starch, Enzymatic (%)	0889	8.2850	0.09000	7.7833	0.46044	0.05333	3			0
012.04	Starch, YSI Analyzer (%)	0510	6.8000	0.20000	8.5313	2.5318	0.17250	4	-0.68	10%	0
012.04	Starch, YSI Analyzer (%)	0278	7.3000	0.20000	8.5313	2.5318	0.17250	4	-0.49	7%	0
012.04	Starch, YSI Analyzer (%)	0353	7.7400	0.04000	8.5313	2.5318	0.17250	4	-0.31	5%	0
012.04	Starch, YSI Analyzer (%)	0948	12.285	0.25000	8.5313	2.5318	0.17250	4	1.48	22%	0
012.11	Starch, NIR (%)	0852	5.3950	0.19000	8.9438	4.9256	0.23750	4	-0.72	20%	0
012.11	Starch, NIR (%)	0889	5.7450	0.51000	8.9438	4.9256	0.23750	4	-0.65	18%	0
012.11	Starch, NIR (%)	2036	8.6300	0.22000	8.9438	4.9256	0.23750	4	-0.06	2%	0
012.11	Starch, NIR (%)	0720	16.005	0.03000	8.9438	4.9256	0.23750	4	1.43	39%	0
013.00	Fat, Acid hydrolysis (%)	0083	4.5700	0.28000	7.5886	1.3023	0.18456	16	-2.32	20%	0
013.00	Fat, Acid hydrolysis (%)	0910	5.7950	0.07000	7.5886	1.3023	0.18456	16	-1.38	12%	0
013.00	Fat, Acid hydrolysis (%)	0242	6.0650	0.71000	7.5886	1.3023	0.18456	16	-1.17	10%	0
013.00	Fat, Acid hydrolysis (%)	0615	6.7900	0.18000	7.5886	1.3023	0.18456	16	-0.61	5%	0
013.00	Fat, Acid hydrolysis (%)	0504	7.1550	0.11000	7.5886	1.3023	0.18456	16	-0.33	3%	0
013.00	Fat, Acid hydrolysis (%)	0681	7.3050	0.13000	7.5886	1.3023	0.18456	16	-0.22	2%	0
013.00	Fat, Acid hydrolysis (%)	2023	7.3300	0.00000	7.5886	1.3023	0.18456	16	-0.20	2%	0
013.00	Fat, Acid hydrolysis (%)	2004	7.5000	0.00000	7.5886	1.3023	0.18456	16	-0.07	1%	0
013.00	Fat, Acid hydrolysis (%)	0884	7.5500	0.30000	7.5886	1.3023	0.18456	16	-0.03	0%	0
013.00	Fat, Acid hydrolysis (%)	0555	7.6800	0.38000	7.5886	1.3023	0.18456	16	0.07	1%	0
013.00	Fat, Acid hydrolysis (%)	0229	8.1450	0.11000	7.5886	1.3023	0.18456	16	0.43	4%	0
013.00	Fat, Acid hydrolysis (%)	0309	8.4588	0.11190	7.5886	1.3023	0.18456	16	0.67	6%	0
013.00	Fat, Acid hydrolysis (%)	0202	8.5650	0.01000	7.5886	1.3023	0.18456	16	0.75	6%	0
013.00	Fat, Acid hydrolysis (%)	0695	8.6480	0.00400	7.5886	1.3023	0.18456	16	0.81	7%	0
013.00	Fat, Acid hydrolysis (%)	2016	9.4100	0.00000	7.5886	1.3023	0.18456	16	1.40	12%	0
013.00	Fat, Acid hydrolysis (%)	2076	9.5575	0.55700	7.5886	1.3023	0.18456	16	1.51	13%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0874	6.5300	0.24000	8.8893	0.39425	0.28045	22	-5.98	13%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
013.02	Fat, Mojonnier, Bak Ext (%)	2073	8.0050	0.21000	8.8893	0.39425	0.28045	22	-2.24	5%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0643	8.0350	0.19000	8.8893	0.39425	0.28045	22	-2.17	5%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0843	8.2450	0.41000	8.8893	0.39425	0.28045	22	-1.63	4%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0553	8.4800	0.24000	8.8893	0.39425	0.28045	22	-1.04	2%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0148	8.6650	0.07000	8.8893	0.39425	0.28045	22	-0.57	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0098	8.7000	0.32000	8.8893	0.39425	0.28045	22	-0.48	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0171	8.7200	0.28000	8.8893	0.39425	0.28045	22	-0.43	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0921	8.7600	0.80000	8.8893	0.39425	0.28045	22	-0.33	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0861	8.8100	0.12000	8.8893	0.39425	0.28045	22	-0.20	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0958	8.8150	0.23000	8.8893	0.39425	0.28045	22	-0.19	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0957	8.9750	0.29000	8.8893	0.39425	0.28045	22	0.22	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0208	8.9850	0.19000	8.8893	0.39425	0.28045	22	0.24	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0354	9.0200	0.50000	8.8893	0.39425	0.28045	22	0.33	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0051	9.0500	0.10000	8.8893	0.39425	0.28045	22	0.41	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0100	9.0700	0.44000	8.8893	0.39425	0.28045	22	0.46	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0164	9.1100	0.10000	8.8893	0.39425	0.28045	22	0.56	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0959	9.2450	0.55000	8.8893	0.39425	0.28045	22	0.90	2%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0650	9.6250	0.19000	8.8893	0.39425	0.28045	22	1.87	4%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0676	9.8100	0.46000	8.8893	0.39425	0.28045	22	2.34	5%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0943	10.100	0.20000	8.8893	0.39425	0.28045	22	3.07	7%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0675	10.780	0.04000	8.8893	0.39425	0.28045	22	4.80	11%	0
013.10	Fat, Soxtec-Acid Hydrolysis (%)	2003	5.5914	0.03070	6.8083	1.3056	0.07814	5	-0.93	9%	0
013.10	Fat, Soxtec-Acid Hydrolysis (%)	0610	5.6650	0.11000	6.8083	1.3056	0.07814	5	-0.88	8%	0
013.10	Fat, Soxtec-Acid Hydrolysis (%)	0638	6.5500	0.10000	6.8083	1.3056	0.07814	5	-0.20	2%	0
013.10	Fat, Soxtec-Acid Hydrolysis (%)	0353	7.6000	0.14000	6.8083	1.3056	0.07814	5	0.61	6%	0
013.10	Fat, Soxtec-Acid Hydrolysis (%)	2006	8.6350	0.01000	6.8083	1.3056	0.07814	5	1.40	13%	0
013.10	Fat, Soxtec-Acid Hydrolysis (%)	0845	3.5050	0.85000	6.8083	1.3056	0.07814	5	-2.53	24%	1
013.12	Fat, NIR- Acid Hydrolysis (%)	0961	8.8500	0.56000			0.56000	1			0
013.13	Fat, Ankom- Acid Hydrolysis (%)	0955	5.7150	0.01000	7.9870	1.9148	0.07900	4	-1.19	14%	0
013.13	Fat, Ankom- Acid Hydrolysis (%)	0968	7.3930	0.06600	7.9870	1.9148	0.07900	4	-0.31	4%	0
013.13	Fat, Ankom- Acid Hydrolysis (%)	0003	8.5900	0.14000	7.9870	1.9148	0.07900	4	0.31	4%	0
013.13	Fat, Ankom- Acid Hydrolysis (%)	0265	10.250	0.10000	7.9870	1.9148	0.07900	4	1.18	14%	0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0171	112.50	1.0000	156.94	34.097	9.5487	5	-1.30	14%	0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0049	142.33	10.100	156.94	34.097	9.5487	5	-0.43	5%	0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0164	158.50	15.000	156.94	34.097	9.5487	5	0.05	0%	0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0520	165.59	16.350	156.94	34.097	9.5487	5	0.25	3%	0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0011	205.78	5.2935	156.94	34.097	9.5487	5	1.43	16%	0
015.42	Aluminum, ICP, Open vessel (mg / kg (ppm))	0560	237.55	9.3000			9.3000	1			0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0918	194.37	2.6864	215.59	27.608	2.4216	4	-0.77	5%	0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0510	194.50	1.0000	215.59	27.608	2.4216	4	-0.76	5%	0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0169	221.00	0.00000	215.59	27.608	2.4216	4	0.20	1%	0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0345	252.50	6.0000	215.59	27.608	2.4216	4	1.34	9%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
015.53	Aluminum, ICP-MS, Microwave (mg / kg (ppm))	0553	244.50	23.000			23.000	1			0
017.41	Boron, ICP, Dry ash (mg / kg (ppm))	0358	20.150	0.72000			1.1250	2			0
017.41	Boron, ICP, Dry ash (mg / kg (ppm))	0049	21.465	1.5300			1.1250	2			0
017.42	Boron, ICP, Open vessel (mg / kg (ppm))	0693	18.906	0.61290	20.599	2.0494	1.1582	4	-0.83	4%	0
017.42	Boron, ICP, Open vessel (mg / kg (ppm))	0560	19.860	2.6800	20.599	2.0494	1.1582	4	-0.36	2%	0
017.42	Boron, ICP, Open vessel (mg / kg (ppm))	0045	20.050	1.3000	20.599	2.0494	1.1582	4	-0.27	1%	0
017.42	Boron, ICP, Open vessel (mg / kg (ppm))	0294	23.580	0.04000	20.599	2.0494	1.1582	4	1.45	7%	0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0345	18.650	0.30000	20.389	1.1785	0.35050	4	-1.48	4%	0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0918	20.695	0.15000	20.389	1.1785	0.35050	4	0.26	1%	0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0510	21.000	0.00000	20.389	1.1785	0.35050	4	0.52	1%	0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0168	21.211	0.95200	20.389	1.1785	0.35050	4	0.70	2%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0552	1.7450	0.05000	1.9065	0.07620	0.01615	17	-2.12	4%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0893	1.8100	0.00000	1.9065	0.07620	0.01615	17	-1.27	3%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	2097	1.8323	0.00330	1.9065	0.07620	0.01615	17	-0.97	2%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0651	1.8365	0.00500	1.9065	0.07620	0.01615	17	-0.92	2%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0620	1.8455	0.03880	1.9065	0.07620	0.01615	17	-0.80	2%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0897	1.8705	0.01700	1.9065	0.07620	0.01615	17	-0.47	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0937	1.9050	0.01000	1.9065	0.07620	0.01615	17	-0.02	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	2068	1.9100	0.00000	1.9065	0.07620	0.01615	17	0.05	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0622	1.9134	0.00050	1.9065	0.07620	0.01615	17	0.09	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	2091	1.9150	0.03000	1.9065	0.07620	0.01615	17	0.11	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0903	1.9300	0.02000	1.9065	0.07620	0.01615	17	0.31	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0934	1.9300	0.00000	1.9065	0.07620	0.01615	17	0.31	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	2006	1.9400	0.02000	1.9065	0.07620	0.01615	17	0.44	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0895	1.9750	0.01000	1.9065	0.07620	0.01615	17	0.90	2%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0900	1.9900	0.02000	1.9065	0.07620	0.01615	17	1.10	2%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	2011	2.0050	0.05000	1.9065	0.07620	0.01615	17	1.29	3%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0681	2.0100	0.00000	1.9065	0.07620	0.01615	17	1.36	3%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0722	1.9105	0.16170	1.9065	0.07620	0.01615	17	0.05	0%	1
019.02	Calcium, Hach Method (%)	0536	1.7800	0.02000			0.02000	1			0
019.03	Calcium, Semiauto (Autoanalyzer) (%)	0036	1.9630	0.01710			0.01710	1			0
019.08	Calcium, EDTA (%)	0852	1.0500	0.10000	1.8960	0.12048	0.04289	10	-7.02	22%	0
019.08	Calcium, EDTA (%)	0689	1.7950	0.01000	1.8960	0.12048	0.04289	10	-0.84	3%	0
019.08	Calcium, EDTA (%)	0885	1.8336	0.00690	1.8960	0.12048	0.04289	10	-0.52	2%	0
019.08	Calcium, EDTA (%)	0849	1.8410	0.00200	1.8960	0.12048	0.04289	10	-0.46	1%	0
019.08	Calcium, EDTA (%)	0940	1.8600	0.14000	1.8960	0.12048	0.04289	10	-0.30	1%	0
019.08	Calcium, EDTA (%)	2086	1.9050	0.01000	1.8960	0.12048	0.04289	10	0.08	0%	0
019.08	Calcium, EDTA (%)	2009	1.9406	0.01300	1.8960	0.12048	0.04289	10	0.37	1%	0
019.08	Calcium, EDTA (%)	0590	1.9750	0.05000	1.8960	0.12048	0.04289	10	0.66	2%	0
019.08	Calcium, EDTA (%)	0629	2.0500	0.00000	1.8960	0.12048	0.04289	10	1.28	4%	0
019.08	Calcium, EDTA (%)	0138	2.0755	0.09700	1.8960	0.12048	0.04289	10	1.49	5%	0
019.09	Calcium, Ion-selective electrode (%)	2006	1.7585	0.00100			0.00100	1			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
019.31	Calcium, AAS, Dry ash (%)	0946	1.6945	0.09950	1.8822	0.10262	0.05027	26	-1.83	5%	0
019.31	Calcium, AAS, Dry ash (%)	0596	1.7150	0.09000	1.8822	0.10262	0.05027	26	-1.63	4%	0
019.31	Calcium, AAS, Dry ash (%)	0650	1.7150	0.03000	1.8822	0.10262	0.05027	26	-1.63	4%	0
019.31	Calcium, AAS, Dry ash (%)	0175	1.7800	0.02000	1.8822	0.10262	0.05027	26	-1.00	3%	0
019.31	Calcium, AAS, Dry ash (%)	0689	1.7850	0.03000	1.8822	0.10262	0.05027	26	-0.95	3%	0
019.31	Calcium, AAS, Dry ash (%)	0354	1.8100	0.02000	1.8822	0.10262	0.05027	26	-0.70	2%	0
019.31	Calcium, AAS, Dry ash (%)	0001	1.8130	0.08800	1.8822	0.10262	0.05027	26	-0.67	2%	0
019.31	Calcium, AAS, Dry ash (%)	0939	1.8350	0.01000	1.8822	0.10262	0.05027	26	-0.46	1%	0
019.31	Calcium, AAS, Dry ash (%)	0066	1.8600	0.02000	1.8822	0.10262	0.05027	26	-0.22	1%	0
019.31	Calcium, AAS, Dry ash (%)	0921	1.8645	0.01900	1.8822	0.10262	0.05027	26	-0.17	0%	0
019.31	Calcium, AAS, Dry ash (%)	0038	1.8650	0.05000	1.8822	0.10262	0.05027	26	-0.17	0%	0
019.31	Calcium, AAS, Dry ash (%)	0563	1.8721	0.02490	1.8822	0.10262	0.05027	26	-0.10	0%	0
019.31	Calcium, AAS, Dry ash (%)	0142	1.8753	0.02860	1.8822	0.10262	0.05027	26	-0.07	0%	0
019.31	Calcium, AAS, Dry ash (%)	0674	1.8800	0.00000	1.8822	0.10262	0.05027	26	-0.02	0%	0
019.31	Calcium, AAS, Dry ash (%)	0948	1.8950	0.01000	1.8822	0.10262	0.05027	26	0.12	0%	0
019.31	Calcium, AAS, Dry ash (%)	2022	1.8950	0.03000	1.8822	0.10262	0.05027	26	0.12	0%	0
019.31	Calcium, AAS, Dry ash (%)	0884	1.9000	0.02000	1.8822	0.10262	0.05027	26	0.17	0%	0
019.31	Calcium, AAS, Dry ash (%)	0208	1.9090	0.06200	1.8822	0.10262	0.05027	26	0.26	1%	0
019.31	Calcium, AAS, Dry ash (%)	0014	1.9400	0.00000	1.8822	0.10262	0.05027	26	0.56	2%	0
019.31	Calcium, AAS, Dry ash (%)	0505	1.9500	0.02000	1.8822	0.10262	0.05027	26	0.66	2%	0
019.31	Calcium, AAS, Dry ash (%)	0868	1.9550	0.03000	1.8822	0.10262	0.05027	26	0.71	2%	0
019.31	Calcium, AAS, Dry ash (%)	0874	1.9621	0.00510	1.8822	0.10262	0.05027	26	0.78	2%	0
019.31	Calcium, AAS, Dry ash (%)	0536	2.0350	0.19000	1.8822	0.10262	0.05027	26	1.49	4%	0
019.31	Calcium, AAS, Dry ash (%)	0152	2.0700	0.06000	1.8822	0.10262	0.05027	26	1.83	5%	0
019.31	Calcium, AAS, Dry ash (%)	0108	2.0750	0.27000	1.8822	0.10262	0.05027	26	1.88	5%	0
019.31	Calcium, AAS, Dry ash (%)	0529	2.3000	0.08000	1.8822	0.10262	0.05027	26	4.07	11%	0
019.31	Calcium, AAS, Dry ash (%)	0178	1.6840	0.30200	1.8822	0.10262	0.05027	26	-1.93	5%	1
019.32	Calcium, AAS, Open vessel (%)	0263	1.8069	0.00020	1.9759	0.19249	0.02080	4	-0.88	4%	0
019.32	Calcium, AAS, Open vessel (%)	0169	1.8750	0.01000	1.9759	0.19249	0.02080	4	-0.52	3%	0
019.32	Calcium, AAS, Open vessel (%)	0035	1.9765	0.02300	1.9759	0.19249	0.02080	4	0.00	0%	0
019.32	Calcium, AAS, Open vessel (%)	0609	2.2450	0.05000	1.9759	0.19249	0.02080	4	1.40	7%	0
019.33	Calcium, AAS, Microwave (%)	0504	1.9280	0.20800			0.10900	2			0
019.33	Calcium, AAS, Microwave (%)	0010	1.9450	0.01000			0.10900	2			0
019.41	Calcium, ICP, Dry ash (%)	0520	1.3295	0.09900	1.8973	0.07803	0.04968	32	-7.28	15%	0
019.41	Calcium, ICP, Dry ash (%)	0144	1.6850	0.05000	1.8973	0.07803	0.04968	32	-2.72	6%	0
019.41	Calcium, ICP, Dry ash (%)	2012	1.7050	0.01000	1.8973	0.07803	0.04968	32	-2.46	5%	0
019.41	Calcium, ICP, Dry ash (%)	0123	1.7500	0.06000	1.8973	0.07803	0.04968	32	-1.89	4%	0
019.41	Calcium, ICP, Dry ash (%)	0619	1.7500	0.00000	1.8973	0.07803	0.04968	32	-1.89	4%	0
019.41	Calcium, ICP, Dry ash (%)	0511	1.7700	0.06000	1.8973	0.07803	0.04968	32	-1.63	3%	0
019.41	Calcium, ICP, Dry ash (%)	0011	1.7932	0.03570	1.8973	0.07803	0.04968	32	-1.33	3%	0
019.41	Calcium, ICP, Dry ash (%)	0019	1.8300	0.04000	1.8973	0.07803	0.04968	32	-0.86	2%	0
019.41	Calcium, ICP, Dry ash (%)	0004	1.8450	0.01000	1.8973	0.07803	0.04968	32	-0.67	1%	0



Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
019.41	Calcium, ICP, Dry ash (%)	0003	1.8600	0.02000	1.8973	0.07803	0.04968	32	-0.48	1%	0
019.41	Calcium, ICP, Dry ash (%)	0208	1.8715	0.14100	1.8973	0.07803	0.04968	32	-0.33	1%	0
019.41	Calcium, ICP, Dry ash (%)	0098	1.8750	0.01000	1.8973	0.07803	0.04968	32	-0.29	1%	0
019.41	Calcium, ICP, Dry ash (%)	0848	1.8800	0.00000	1.8973	0.07803	0.04968	32	-0.22	0%	0
019.41	Calcium, ICP, Dry ash (%)	0512	1.8970	0.03400	1.8973	0.07803	0.04968	32	0.00	0%	0
019.41	Calcium, ICP, Dry ash (%)	0413	1.9000	0.00000	1.8973	0.07803	0.04968	32	0.04	0%	0
019.41	Calcium, ICP, Dry ash (%)	0229	1.9070	0.01400	1.8973	0.07803	0.04968	32	0.12	0%	0
019.41	Calcium, ICP, Dry ash (%)	0164	1.9100	0.04000	1.8973	0.07803	0.04968	32	0.16	0%	0
019.41	Calcium, ICP, Dry ash (%)	0695	1.9125	0.13700	1.8973	0.07803	0.04968	32	0.20	0%	0
019.41	Calcium, ICP, Dry ash (%)	0049	1.9200	0.02000	1.8973	0.07803	0.04968	32	0.29	1%	0
019.41	Calcium, ICP, Dry ash (%)	0300	1.9260	0.02800	1.8973	0.07803	0.04968	32	0.37	1%	0
019.41	Calcium, ICP, Dry ash (%)	0148	1.9325	0.00100	1.8973	0.07803	0.04968	32	0.45	1%	0
019.41	Calcium, ICP, Dry ash (%)	0074	1.9400	0.14000	1.8973	0.07803	0.04968	32	0.55	1%	0
019.41	Calcium, ICP, Dry ash (%)	0051	1.9419	0.04250	1.8973	0.07803	0.04968	32	0.57	1%	0
019.41	Calcium, ICP, Dry ash (%)	0598	1.9495	0.01100	1.8973	0.07803	0.04968	32	0.67	1%	0
019.41	Calcium, ICP, Dry ash (%)	2089	1.9500	0.00000	1.8973	0.07803	0.04968	32	0.68	1%	0
019.41	Calcium, ICP, Dry ash (%)	0910	1.9600	0.18000	1.8973	0.07803	0.04968	32	0.80	2%	0
019.41	Calcium, ICP, Dry ash (%)	0407	1.9644	0.03670	1.8973	0.07803	0.04968	32	0.86	2%	0
019.41	Calcium, ICP, Dry ash (%)	0171	1.9800	0.16000	1.8973	0.07803	0.04968	32	1.06	2%	0
019.41	Calcium, ICP, Dry ash (%)	0226	1.9800	0.02000	1.8973	0.07803	0.04968	32	1.06	2%	0
019.41	Calcium, ICP, Dry ash (%)	0358	1.9800	0.06000	1.8973	0.07803	0.04968	32	1.06	2%	0
019.41	Calcium, ICP, Dry ash (%)	0083	2.0050	0.03000	1.8973	0.07803	0.04968	32	1.38	3%	0
019.41	Calcium, ICP, Dry ash (%)	0720	2.0900	0.10000	1.8973	0.07803	0.04968	32	2.47	5%	0
019.42	Calcium, ICP, Open vessel (%)	0190	1.6400	0.04000	1.9151	0.09841	0.06213	22	-2.80	7%	0
019.42	Calcium, ICP, Open vessel (%)	0026	1.7500	0.08000	1.9151	0.09841	0.06213	22	-1.68	4%	0
019.42	Calcium, ICP, Open vessel (%)	0035	1.7550	0.10600	1.9151	0.09841	0.06213	22	-1.63	4%	0
019.42	Calcium, ICP, Open vessel (%)	0366	1.8350	0.17000	1.9151	0.09841	0.06213	22	-0.81	2%	0
019.42	Calcium, ICP, Open vessel (%)	0692	1.8400	0.02000	1.9151	0.09841	0.06213	22	-0.76	2%	0
019.42	Calcium, ICP, Open vessel (%)	0278	1.8550	0.01000	1.9151	0.09841	0.06213	22	-0.61	2%	0
019.42	Calcium, ICP, Open vessel (%)	0613	1.8550	0.25000	1.9151	0.09841	0.06213	22	-0.61	2%	0
019.42	Calcium, ICP, Open vessel (%)	0693	1.8846	0.01750	1.9151	0.09841	0.06213	22	-0.31	1%	0
019.42	Calcium, ICP, Open vessel (%)	0265	1.8950	0.03000	1.9151	0.09841	0.06213	22	-0.20	1%	0
019.42	Calcium, ICP, Open vessel (%)	0205	1.9050	0.01000	1.9151	0.09841	0.06213	22	-0.10	0%	0
019.42	Calcium, ICP, Open vessel (%)	0555	1.9087	0.05070	1.9151	0.09841	0.06213	22	-0.07	0%	0
019.42	Calcium, ICP, Open vessel (%)	0560	1.9288	0.00270	1.9151	0.09841	0.06213	22	0.14	0%	0
019.42	Calcium, ICP, Open vessel (%)	0009	1.9350	0.03000	1.9151	0.09841	0.06213	22	0.20	1%	0
019.42	Calcium, ICP, Open vessel (%)	0357	1.9500	0.04000	1.9151	0.09841	0.06213	22	0.36	1%	0
019.42	Calcium, ICP, Open vessel (%)	0037	1.9600	0.02000	1.9151	0.09841	0.06213	22	0.46	1%	0
019.42	Calcium, ICP, Open vessel (%)	0294	1.9650	0.03000	1.9151	0.09841	0.06213	22	0.51	1%	0
019.42	Calcium, ICP, Open vessel (%)	0045	2.0000	0.26000	1.9151	0.09841	0.06213	22	0.86	2%	0
019.42	Calcium, ICP, Open vessel (%)	0202	2.0050	0.01000	1.9151	0.09841	0.06213	22	0.91	2%	0
019.42	Calcium, ICP, Open vessel (%)	2051	2.0150	0.13000	1.9151	0.09841	0.06213	22	1.02	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	Robust SD	R-bar	# Labs			
019.42	Calcium, ICP, Open vessel (%)	0042	2.0200	0.00000	1.9151	0.09841	0.06213	22	1.07	3%	0
019.42	Calcium, ICP, Open vessel (%)	0726	2.0270	0.03000	1.9151	0.09841	0.06213	22	1.14	3%	0
019.42	Calcium, ICP, Open vessel (%)	0187	2.0450	0.03000	1.9151	0.09841	0.06213	22	1.32	3%	0
019.43	Calcium, ICP, Microwave (%)	0675	1.6800	0.02000	1.9328	0.08447	0.04050	18	-2.99	7%	0
019.43	Calcium, ICP, Microwave (%)	0036	1.7925	0.00130	1.9328	0.08447	0.04050	18	-1.66	4%	0
019.43	Calcium, ICP, Microwave (%)	0510	1.8300	0.04000	1.9328	0.08447	0.04050	18	-1.22	3%	0
019.43	Calcium, ICP, Microwave (%)	2058	1.8750	0.01000	1.9328	0.08447	0.04050	18	-0.68	1%	0
019.43	Calcium, ICP, Microwave (%)	0968	1.8865	0.00300	1.9328	0.08447	0.04050	18	-0.55	1%	0
019.43	Calcium, ICP, Microwave (%)	0168	1.8948	0.04240	1.9328	0.08447	0.04050	18	-0.45	1%	0
019.43	Calcium, ICP, Microwave (%)	0861	1.8950	0.07000	1.9328	0.08447	0.04050	18	-0.45	1%	0
019.43	Calcium, ICP, Microwave (%)	0668	1.9200	0.04000	1.9328	0.08447	0.04050	18	-0.15	0%	0
019.43	Calcium, ICP, Microwave (%)	0644	1.9224	0.07390	1.9328	0.08447	0.04050	18	-0.12	0%	0
019.43	Calcium, ICP, Microwave (%)	0918	1.9395	0.02700	1.9328	0.08447	0.04050	18	0.08	0%	0
019.43	Calcium, ICP, Microwave (%)	0033	1.9450	0.03000	1.9328	0.08447	0.04050	18	0.14	0%	0
019.43	Calcium, ICP, Microwave (%)	0345	1.9450	0.01800	1.9328	0.08447	0.04050	18	0.14	0%	0
019.43	Calcium, ICP, Microwave (%)	0098	1.9500	0.14000	1.9328	0.08447	0.04050	18	0.20	0%	0
019.43	Calcium, ICP, Microwave (%)	0508	1.9920	0.01340	1.9328	0.08447	0.04050	18	0.70	2%	0
019.43	Calcium, ICP, Microwave (%)	0027	2.0310	0.12000	1.9328	0.08447	0.04050	18	1.16	3%	0
019.43	Calcium, ICP, Microwave (%)	0629	2.0400	0.00000	1.9328	0.08447	0.04050	18	1.27	3%	0
019.43	Calcium, ICP, Microwave (%)	0028	2.0550	0.07000	1.9328	0.08447	0.04050	18	1.45	3%	0
019.43	Calcium, ICP, Microwave (%)	0353	2.1750	0.01000	1.9328	0.08447	0.04050	18	2.87	6%	0
019.44	Calcium, ICP, Dry ash (%)	2023	1.6900	0.16000			0.17500	2			0
019.44	Calcium, ICP, Dry ash (%)	2004	1.9450	0.19000			0.17500	2			0
019.52	Calcium, ICP-MS, Open vessel (%)	0047	2.0100	0.04000			0.25670	2			0
019.52	Calcium, ICP-MS, Open vessel (%)	0154	2.1602	0.47340			0.25670	2			0
019.53	Calcium, ICP-MS, Microwave (%)	0553	1.9100	0.24000	1.9500	0.06083	0.14667	3			0
019.53	Calcium, ICP-MS, Microwave (%)	0668	1.9200	0.08000	1.9500	0.06083	0.14667	3			0
019.53	Calcium, ICP-MS, Microwave (%)	0572	2.0200	0.12000	1.9500	0.06083	0.14667	3			0
019.99	Calcium, Miscellaneous (%)	0889	1.3650	0.01000	1.9320	0.42299	0.04800	5	-1.34	15%	0
019.99	Calcium, Miscellaneous (%)	0676	1.8450	0.03000	1.9320	0.42299	0.04800	5	-0.21	2%	0
019.99	Calcium, Miscellaneous (%)	0242	1.9050	0.09000	1.9320	0.42299	0.04800	5	-0.06	1%	0
019.99	Calcium, Miscellaneous (%)	0100	1.9950	0.01000	1.9320	0.42299	0.04800	5	0.15	2%	0
019.99	Calcium, Miscellaneous (%)	2105	2.5500	0.10000	1.9320	0.42299	0.04800	5	1.46	16%	0
019.99	Calcium, Miscellaneous (%)	0852	2.2500	0.50000	1.9320	0.42299	0.04800	5	0.75	8%	1
021.31	Cobalt, AAS, Dry ash (mg / kg (ppm))	0689	2.9500	0.10000	4.7154	1.6811	0.46833	6	-1.05	19%	0
021.31	Cobalt, AAS, Dry ash (mg / kg (ppm))	0208	3.7700	1.2600	4.7154	1.6811	0.46833	6	-0.56	10%	0
021.31	Cobalt, AAS, Dry ash (mg / kg (ppm))	0939	3.7950	0.45000	4.7154	1.6811	0.46833	6	-0.55	10%	0
021.31	Cobalt, AAS, Dry ash (mg / kg (ppm))	0563	4.8500	0.30000	4.7154	1.6811	0.46833	6	0.08	1%	0
021.31	Cobalt, AAS, Dry ash (mg / kg (ppm))	2022	6.5500	0.70000	4.7154	1.6811	0.46833	6	1.09	19%	0
021.31	Cobalt, AAS, Dry ash (mg / kg (ppm))	0596	6.8000	0.00000	4.7154	1.6811	0.46833	6	1.24	22%	0
021.32	Cobalt, AAS, Open vessel (mg / kg (ppm))	0366	3.0500	1.1000			1.1000	1			0
021.34	Cobalt, AAS, Graphite furnace (mg / kg (ppm))	0610	2.9000	0.02000			0.02000	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	Robust SD	R-bar	# Labs			
021.41	Cobalt, ICP, Dry ash (mg / kg (ppm))	0619	1.8750	0.01000	2.7928	0.80032	0.06200	3			0
021.41	Cobalt, ICP, Dry ash (mg / kg (ppm))	0011	3.1585	0.06600	2.7928	0.80032	0.06200	3			0
021.41	Cobalt, ICP, Dry ash (mg / kg (ppm))	0148	3.3450	0.11000	2.7928	0.80032	0.06200	3			0
021.42	Cobalt, ICP, Open vessel (mg / kg (ppm))	2051	1.4650	0.07000	2.2312	0.67746	0.15257	3			0
021.42	Cobalt, ICP, Open vessel (mg / kg (ppm))	0693	2.4775	0.06370	2.2312	0.67746	0.15257	3			0
021.42	Cobalt, ICP, Open vessel (mg / kg (ppm))	0560	2.7510	0.32400	2.2312	0.67746	0.15257	3			0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0675	1.9600	0.04000	3.1175	0.07194	0.20000	5	-16.09	19%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0345	3.0450	0.11000	3.1175	0.07194	0.20000	5	-1.01	1%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0169	3.0900	0.14000	3.1175	0.07194	0.20000	5	-0.38	0%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0510	3.1200	0.34000	3.1175	0.07194	0.20000	5	0.03	0%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0027	3.2150	0.37000	3.1175	0.07194	0.20000	5	1.36	2%	0
021.52	Cobalt, ICP-MS, Open vessel (mg / kg (ppm))	0910	2.5550	0.41000	2.8317	0.29378	0.15667	3			0
021.52	Cobalt, ICP-MS, Open vessel (mg / kg (ppm))	0555	2.8000	0.00000	2.8317	0.29378	0.15667	3			0
021.52	Cobalt, ICP-MS, Open vessel (mg / kg (ppm))	0047	3.1400	0.06000	2.8317	0.29378	0.15667	3			0
021.53	Cobalt, ICP-MS, Microwave (mg / kg (ppm))	0098	2.2460	0.21600	2.8957	0.09816	0.17312	6	-6.62	11%	0
021.53	Cobalt, ICP-MS, Microwave (mg / kg (ppm))	0033	2.8550	0.27000	2.8957	0.09816	0.17312	6	-0.41	1%	0
021.53	Cobalt, ICP-MS, Microwave (mg / kg (ppm))	0668	2.8850	0.19000	2.8957	0.09816	0.17312	6	-0.11	0%	0
021.53	Cobalt, ICP-MS, Microwave (mg / kg (ppm))	0168	2.8916	0.14190	2.8957	0.09816	0.17312	6	-0.04	0%	0
021.53	Cobalt, ICP-MS, Microwave (mg / kg (ppm))	0918	2.9662	0.12080	2.8957	0.09816	0.17312	6	0.72	1%	0
021.53	Cobalt, ICP-MS, Microwave (mg / kg (ppm))	0553	3.2600	0.10000	2.8957	0.09816	0.17312	6	3.71	6%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0175	404.00	8.0000	435.29	11.091	5.2811	20	-2.82	4%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0066	417.00	9.2000	435.29	11.091	5.2811	20	-1.65	2%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	2022	417.50	17.000	435.29	11.091	5.2811	20	-1.60	2%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0884	425.45	8.7000	435.29	11.091	5.2811	20	-0.89	1%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0563	429.00	8.0000	435.29	11.091	5.2811	20	-0.57	1%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0723	429.00	0.00000	435.29	11.091	5.2811	20	-0.57	1%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0354	429.42	1.7100	435.29	11.091	5.2811	20	-0.53	1%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0596	430.70	0.60000	435.29	11.091	5.2811	20	-0.41	1%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0939	431.00	4.0700	435.29	11.091	5.2811	20	-0.39	0%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0505	435.50	5.0000	435.29	11.091	5.2811	20	0.02	0%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0674	435.63	0.00000	435.29	11.091	5.2811	20	0.03	0%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0868	439.00	2.0000	435.29	11.091	5.2811	20	0.33	0%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0001	439.35	21.100	435.29	11.091	5.2811	20	0.37	0%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	2067	439.93	3.4420	435.29	11.091	5.2811	20	0.42	1%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0014	442.50	3.0000	435.29	11.091	5.2811	20	0.65	1%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0178	442.50	1.8000	435.29	11.091	5.2811	20	0.65	1%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0208	444.00	2.0000	435.29	11.091	5.2811	20	0.79	1%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0629	450.00	0.00000	435.29	11.091	5.2811	20	1.33	2%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0689	451.50	1.0000	435.29	11.091	5.2811	20	1.46	2%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0590	465.50	9.0000	435.29	11.091	5.2811	20	2.72	3%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0529	409.90	28.200	435.29	11.091	5.2811	20	-2.29	3%	1
022.32	Copper, AAS, Open vessel (mg / kg (ppm))	0609	437.50	25.000	459.61	16.521	11.178	5	-1.34	2%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
022.32	Copper, AAS, Open vessel (mg / kg (ppm))	0038	457.50	7.0000	459.61	16.521	11.178	5	-0.13	0%	0
022.32	Copper, AAS, Open vessel (mg / kg (ppm))	0035	467.68	7.4500	459.61	16.521	11.178	5	0.49	1%	0
022.32	Copper, AAS, Open vessel (mg / kg (ppm))	0504	475.75	4.5000	459.61	16.521	11.178	5	0.98	2%	0
022.32	Copper, AAS, Open vessel (mg / kg (ppm))	0263	577.09	11.940	459.61	16.521	11.178	5	7.11	13%	0
022.33	Copper, AAS, Microwave (mg / kg (ppm))	0948	428.34	0.25000	452.47	18.280	2.9375	4	-1.32	3%	0
022.33	Copper, AAS, Microwave (mg / kg (ppm))	0504	452.25	2.5000	452.47	18.280	2.9375	4	-0.01	0%	0
022.33	Copper, AAS, Microwave (mg / kg (ppm))	0010	456.80	8.0000	452.47	18.280	2.9375	4	0.24	0%	0
022.33	Copper, AAS, Microwave (mg / kg (ppm))	0034	472.50	1.0000	452.47	18.280	2.9375	4	1.10	2%	0
022.35	Copper, AAS, Dry ash (mg / kg (ppm))	0536	946.50	3.0000			3.0000	1			0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0171	222.00	4.0000	429.03	41.047	10.468	28	-5.04	24%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0520	301.07	14.203	429.03	41.047	10.468	28	-3.12	15%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0619	372.00	2.0000	429.03	41.047	10.468	28	-1.39	7%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0049	378.22	16.890	429.03	41.047	10.468	28	-1.24	6%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	2012	379.48	16.520	429.03	41.047	10.468	28	-1.21	6%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0511	400.50	1.0000	429.03	41.047	10.468	28	-0.70	3%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	2089	405.62	22.500	429.03	41.047	10.468	28	-0.57	3%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0019	407.65	16.700	429.03	41.047	10.468	28	-0.52	2%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0074	408.00	6.0000	429.03	41.047	10.468	28	-0.51	2%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0300	408.72	1.1240	429.03	41.047	10.468	28	-0.49	2%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0003	409.00	2.0000	429.03	41.047	10.468	28	-0.49	2%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0208	412.75	34.500	429.03	41.047	10.468	28	-0.40	2%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0598	421.75	4.3000	429.03	41.047	10.468	28	-0.18	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0610	429.50	5.0000	429.03	41.047	10.468	28	0.01	0%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0083	430.50	11.000	429.03	41.047	10.468	28	0.04	0%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0148	433.60	3.0000	429.03	41.047	10.468	28	0.11	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0098	437.20	10.000	429.03	41.047	10.468	28	0.20	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0358	449.71	5.3900	429.03	41.047	10.468	28	0.50	2%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0407	452.31	2.0160	429.03	41.047	10.468	28	0.57	3%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0512	454.45	5.1000	429.03	41.047	10.468	28	0.62	3%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0164	457.00	16.000	429.03	41.047	10.468	28	0.68	3%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0910	461.50	21.000	429.03	41.047	10.468	28	0.79	4%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0011	464.31	6.7000	429.03	41.047	10.468	28	0.86	4%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0229	465.41	16.250	429.03	41.047	10.468	28	0.89	4%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0695	470.76	8.6860	429.03	41.047	10.468	28	1.02	5%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0051	482.19	35.480	429.03	41.047	10.468	28	1.30	6%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0720	498.92	0.74200	429.03	41.047	10.468	28	1.70	8%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0226	509.50	5.0000	429.03	41.047	10.468	28	1.96	9%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0004	391.00	48.000	429.03	41.047	10.468	28	-0.93	4%	1
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0366	410.00	32.000	450.08	22.660	10.953	20	-1.77	4%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0357	424.00	28.000	450.08	22.660	10.953	20	-1.15	3%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0035	426.13	5.6500	450.08	22.660	10.953	20	-1.06	3%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0413	430.00	18.000	450.08	22.660	10.953	20	-0.89	2%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0278	431.85	0.10000	450.08	22.660	10.953	20	-0.80	2%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	2051	432.50	13.000	450.08	22.660	10.953	20	-0.78	2%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0042	434.00	4.0000	450.08	22.660	10.953	20	-0.71	2%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0555	443.00	8.0000	450.08	22.660	10.953	20	-0.31	1%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0045	447.50	27.000	450.08	22.660	10.953	20	-0.11	0%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0613	448.35	5.3000	450.08	22.660	10.953	20	-0.08	0%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0009	452.69	6.6900	450.08	22.660	10.953	20	0.12	0%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0726	454.50	5.0000	450.08	22.660	10.953	20	0.20	0%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0037	454.80	3.2000	450.08	22.660	10.953	20	0.21	1%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0202	463.44	1.7300	450.08	22.660	10.953	20	0.59	1%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0187	465.01	3.9800	450.08	22.660	10.953	20	0.66	2%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0693	468.86	12.395	450.08	22.660	10.953	20	0.83	2%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0265	473.50	33.000	450.08	22.660	10.953	20	1.03	3%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0560	474.55	3.7000	450.08	22.660	10.953	20	1.08	3%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0190	476.70	7.6000	450.08	22.660	10.953	20	1.17	3%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0294	499.74	0.72000	450.08	22.660	10.953	20	2.19	6%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0692	539.50	77.000	450.08	22.660	10.953	20	3.95	10%	1
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0026	0.03900	0.00200	450.08	22.660	10.953	20	-19.86	50%	2
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0675	382.13	8.2800	447.14	26.914	7.4265	20	-2.42	7%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0968	418.50	5.0000	447.14	26.914	7.4265	20	-1.06	3%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0169	421.00	32.000	447.14	26.914	7.4265	20	-0.97	3%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0504	422.10	0.20000	447.14	26.914	7.4265	20	-0.93	3%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0510	428.50	3.0000	447.14	26.914	7.4265	20	-0.69	2%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0668	428.50	7.0000	447.14	26.914	7.4265	20	-0.69	2%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0508	433.62	13.950	447.14	26.914	7.4265	20	-0.50	2%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0168	436.04	0.14000	447.14	26.914	7.4265	20	-0.41	1%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0918	436.82	0.92000	447.14	26.914	7.4265	20	-0.38	1%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0644	442.92	1.0790	447.14	26.914	7.4265	20	-0.16	0%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0098	443.15	13.700	447.14	26.914	7.4265	20	-0.15	0%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0353	446.50	11.000	447.14	26.914	7.4265	20	-0.02	0%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0629	455.00	0.00000	447.14	26.914	7.4265	20	0.29	1%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0033	462.50	15.000	447.14	26.914	7.4265	20	0.57	2%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0018	470.00	0.00000	447.14	26.914	7.4265	20	0.85	3%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0036	472.40	17.400	447.14	26.914	7.4265	20	0.94	3%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0345	473.85	3.3000	447.14	26.914	7.4265	20	0.99	3%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	2058	475.13	6.6600	447.14	26.914	7.4265	20	1.04	3%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0028	482.00	0.00000	447.14	26.914	7.4265	20	1.30	4%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0027	493.71	9.9000	447.14	26.914	7.4265	20	1.73	5%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0861	452.50	65.000	447.14	26.914	7.4265	20	0.20	1%	1
022.44	Copper, ICP, Dry ash (mg / kg (ppm))	2004	455.00	12.000			12.000	1			0
022.52	Copper, ICP-MS, Open vessel (mg / kg (ppm))	0047	423.09	4.3500			5.1750	2			0
022.52	Copper, ICP-MS, Open vessel (mg / kg (ppm))	0555	443.00	6.0000			5.1750	2			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
022.53	Copper, ICP-MS, Microwave (mg / kg (ppm))	0668	355.50	15.000	448.67	3.4034	23.250	4	-27.37	10%	0
022.53	Copper, ICP-MS, Microwave (mg / kg (ppm))	0553	446.00	50.000	448.67	3.4034	23.250	4	-0.78	0%	0
022.53	Copper, ICP-MS, Microwave (mg / kg (ppm))	2023	447.50	27.000	448.67	3.4034	23.250	4	-0.34	0%	0
022.53	Copper, ICP-MS, Microwave (mg / kg (ppm))	0572	452.50	1.0000	448.67	3.4034	23.250	4	1.13	0%	0
022.99	Copper, Miscellaneous (mg / kg (ppm))	0100	427.50	17.000			10.500	2			0
022.99	Copper, Miscellaneous (mg / kg (ppm))	0242	442.00	4.0000			10.500	2			0
023.01	Fluorine, Ion Sel Elect (mg / kg (ppm))	0910	71.250	1.9000			1.9000	1			0
024.03	Iodine, Ion-selective electrode (mg / kg (ppm))	0171	29.550	2.5000			9.7500	2			0
024.03	Iodine, Ion-selective electrode (mg / kg (ppm))	0596	357.50	17.000			9.7500	2			0
024.53	Iodine, ICP-MS, Microwave (mg / kg (ppm))	0668	31.800	0.00000			0.00000	1			0
024.99	Iodine, Miscellaneous (mg / kg (ppm))	0675	30.925	1.7100			1.6050	2			0
024.99	Iodine, Miscellaneous (mg / kg (ppm))	0208	30.950	1.5000			1.6050	2			0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0563	541.50	19.000	669.53	28.514	13.350	16	-4.49	10%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0939	618.32	1.3700	669.53	28.514	13.350	16	-1.80	4%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	2022	643.50	7.0000	669.53	28.514	13.350	16	-0.91	2%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0066	646.15	28.700	669.53	28.514	13.350	16	-0.82	2%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0629	651.00	4.0000	669.53	28.514	13.350	16	-0.65	1%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0874	660.50	3.0000	669.53	28.514	13.350	16	-0.32	1%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	2067	661.41	2.1930	669.53	28.514	13.350	16	-0.28	1%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0038	670.50	23.000	669.53	28.514	13.350	16	0.03	0%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0505	671.00	12.000	669.53	28.514	13.350	16	0.05	0%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0178	671.05	12.500	669.53	28.514	13.350	16	0.05	0%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0868	676.00	6.0000	669.53	28.514	13.350	16	0.23	0%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0354	684.77	1.7300	669.53	28.514	13.350	16	0.53	1%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0723	685.00	0.00000	669.53	28.514	13.350	16	0.54	1%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0208	724.50	33.000	669.53	28.514	13.350	16	1.93	4%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0689	726.00	0.00000	669.53	28.514	13.350	16	1.98	4%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0596	754.75	60.100	669.53	28.514	13.350	16	2.99	6%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0921	423.89	128.79	669.53	28.514	13.350	16	-8.61	18%	1
025.32	Iron, AAS, Open vessel (mg / kg (ppm))	0609	625.50	61.000	742.09	29.992	23.557	3			0
025.32	Iron, AAS, Open vessel (mg / kg (ppm))	0263	720.89	6.8700	742.09	29.992	23.557	3			0
025.32	Iron, AAS, Open vessel (mg / kg (ppm))	0504	763.30	2.8000	742.09	29.992	23.557	3			0
025.33	Iron, AAS, Microwave (mg / kg (ppm))	0504	731.90	76.600			41.730	2			0
025.33	Iron, AAS, Microwave (mg / kg (ppm))	0948	761.71	6.8600			41.730	2			0
025.34	Iron, AAS, Dry ash (mg / kg (ppm))	0536	700.00	0.00000			0.00000	1			0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0171	336.00	6.0000	644.78	43.337	25.101	29	-7.13	24%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0520	474.87	21.169	644.78	43.337	25.101	29	-3.92	13%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0619	497.00	10.000	644.78	43.337	25.101	29	-3.41	11%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0003	573.00	26.000	644.78	43.337	25.101	29	-1.66	6%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0610	577.50	7.0000	644.78	43.337	25.101	29	-1.55	5%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0511	587.50	31.000	644.78	43.337	25.101	29	-1.32	4%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0226	617.00	26.000	644.78	43.337	25.101	29	-0.64	2%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0598	617.40	12.200	644.78	43.337	25.101	29	-0.63	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	2012	621.10	13.520	644.78	43.337	25.101	29	-0.55	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0004	623.50	25.000	644.78	43.337	25.101	29	-0.49	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0407	626.99	6.1080	644.78	43.337	25.101	29	-0.41	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0011	638.06	7.7500	644.78	43.337	25.101	29	-0.16	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0148	641.80	0.40000	644.78	43.337	25.101	29	-0.07	0%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0083	651.00	22.000	644.78	43.337	25.101	29	0.14	0%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0229	652.40	31.600	644.78	43.337	25.101	29	0.18	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0098	654.00	51.000	644.78	43.337	25.101	29	0.21	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0695	655.86	42.213	644.78	43.337	25.101	29	0.26	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	2089	656.49	49.000	644.78	43.337	25.101	29	0.27	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0358	662.40	37.230	644.78	43.337	25.101	29	0.41	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0074	666.00	12.000	644.78	43.337	25.101	29	0.49	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0051	672.50	1.0000	644.78	43.337	25.101	29	0.64	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0049	675.15	20.050	644.78	43.337	25.101	29	0.70	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0720	676.80	28.400	644.78	43.337	25.101	29	0.74	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0164	679.50	13.000	644.78	43.337	25.101	29	0.80	3%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	2004	688.00	6.0000	644.78	43.337	25.101	29	1.00	3%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0512	694.10	4.4000	644.78	43.337	25.101	29	1.14	4%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0208	695.00	86.400	644.78	43.337	25.101	29	1.16	4%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0019	695.25	45.500	644.78	43.337	25.101	29	1.16	4%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0910	717.00	86.000	644.78	43.337	25.101	29	1.67	6%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0026	0.05000	0.00000	559.36	145.55	33.996	17	-3.84	50%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0187	111.26	5.3200	559.36	145.55	33.996	17	-3.08	40%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0278	242.50	13.000	559.36	145.55	33.996	17	-2.18	28%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0726	421.00	22.000	559.36	145.55	33.996	17	-0.95	12%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0190	476.55	1.7000	559.36	145.55	33.996	17	-0.57	7%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0560	531.95	32.500	559.36	145.55	33.996	17	-0.19	2%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0042	534.00	130.00	559.36	145.55	33.996	17	-0.17	2%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0613	535.70	74.800	559.36	145.55	33.996	17	-0.16	2%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0555	569.00	54.000	559.36	145.55	33.996	17	0.07	1%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0413	591.50	33.000	559.36	145.55	33.996	17	0.22	3%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0692	612.00	30.000	559.36	145.55	33.996	17	0.36	5%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0294	626.64	6.3200	559.36	145.55	33.996	17	0.46	6%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0037	633.00	20.800	559.36	145.55	33.996	17	0.51	7%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0693	698.32	3.4950	559.36	145.55	33.996	17	0.95	12%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0366	727.00	106.00	559.36	145.55	33.996	17	1.15	15%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0045	730.00	26.000	559.36	145.55	33.996	17	1.17	15%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0265	732.50	19.000	559.36	145.55	33.996	17	1.19	15%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2058	239.07	10.540	630.87	62.625	22.248	16	-6.26	31%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0668	518.50	57.000	630.87	62.625	22.248	16	-1.79	9%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0098	538.55	61.500	630.87	62.625	22.248	16	-1.47	7%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0918	590.23	3.0900	630.87	62.625	22.248	16	-0.65	3%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0968	596.50	1.0000	630.87	62.625	22.248	16	-0.55	3%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2023	598.00	28.000	630.87	62.625	22.248	16	-0.52	3%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0675	627.00	8.1400	630.87	62.625	22.248	16	-0.06	0%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0629	635.00	0.00000	630.87	62.625	22.248	16	0.07	0%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0169	639.00	20.000	630.87	62.625	22.248	16	0.13	1%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0510	649.00	6.0000	630.87	62.625	22.248	16	0.29	1%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0345	655.00	6.0000	630.87	62.625	22.248	16	0.39	2%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0168	670.77	17.360	630.87	62.625	22.248	16	0.64	3%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0508	670.79	18.530	630.87	62.625	22.248	16	0.64	3%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0644	695.60	36.800	630.87	62.625	22.248	16	1.03	5%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0861	696.50	57.000	630.87	62.625	22.248	16	1.05	5%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0353	818.50	25.000	630.87	62.625	22.248	16	3.00	15%	0
025.52	Iron, ICP-MS, Open vessel (mg / kg (ppm))	0047	532.06	41.840	572.78	47.192	50.673	3			0
025.52	Iron, ICP-MS, Open vessel (mg / kg (ppm))	0154	561.78	27.180	572.78	47.192	50.673	3			0
025.52	Iron, ICP-MS, Open vessel (mg / kg (ppm))	0555	624.50	83.000	572.78	47.192	50.673	3			0
025.53	Iron, ICP-MS, Microwave (mg / kg (ppm))	0668	575.50	39.000			27.500	2			0
025.53	Iron, ICP-MS, Microwave (mg / kg (ppm))	0553	699.00	16.000			27.500	2			0
025.99	Iron, Miscellaneous (mg / kg (ppm))	0100	652.00	42.000			29.500	2			0
025.99	Iron, Miscellaneous (mg / kg (ppm))	0242	655.50	17.000			29.500	2			0
027.31	Magnesium, AAS, Dry ash (%)	0689	0.32500	0.01000	0.46669	0.02539	0.00740	21	-5.58	15%	0
027.31	Magnesium, AAS, Dry ash (%)	2022	0.36050	0.00300	0.46669	0.02539	0.00740	21	-4.18	11%	0
027.31	Magnesium, AAS, Dry ash (%)	0536	0.37000	0.00000	0.46669	0.02539	0.00740	21	-3.81	10%	0
027.31	Magnesium, AAS, Dry ash (%)	0650	0.42645	0.00750	0.46669	0.02539	0.00740	21	-1.58	4%	0
027.31	Magnesium, AAS, Dry ash (%)	0563	0.44620	0.00440	0.46669	0.02539	0.00740	21	-0.81	2%	0
027.31	Magnesium, AAS, Dry ash (%)	0001	0.44900	0.03260	0.46669	0.02539	0.00740	21	-0.70	2%	0
027.31	Magnesium, AAS, Dry ash (%)	0868	0.45450	0.00300	0.46669	0.02539	0.00740	21	-0.48	1%	0
027.31	Magnesium, AAS, Dry ash (%)	0939	0.45500	0.01000	0.46669	0.02539	0.00740	21	-0.46	1%	0
027.31	Magnesium, AAS, Dry ash (%)	0629	0.46000	0.00000	0.46669	0.02539	0.00740	21	-0.26	1%	0
027.31	Magnesium, AAS, Dry ash (%)	0874	0.46975	0.01750	0.46669	0.02539	0.00740	21	0.12	0%	0
027.31	Magnesium, AAS, Dry ash (%)	0142	0.47115	0.00630	0.46669	0.02539	0.00740	21	0.18	0%	0
027.31	Magnesium, AAS, Dry ash (%)	0066	0.47500	0.01000	0.46669	0.02539	0.00740	21	0.33	1%	0
027.31	Magnesium, AAS, Dry ash (%)	0354	0.47500	0.01000	0.46669	0.02539	0.00740	21	0.33	1%	0
027.31	Magnesium, AAS, Dry ash (%)	0596	0.47500	0.01000	0.46669	0.02539	0.00740	21	0.33	1%	0
027.31	Magnesium, AAS, Dry ash (%)	0178	0.47700	0.00000	0.46669	0.02539	0.00740	21	0.41	1%	0
027.31	Magnesium, AAS, Dry ash (%)	0208	0.48150	0.00300	0.46669	0.02539	0.00740	21	0.58	2%	0
027.31	Magnesium, AAS, Dry ash (%)	0505	0.48750	0.00100	0.46669	0.02539	0.00740	21	0.82	2%	0
027.31	Magnesium, AAS, Dry ash (%)	0175	0.49000	0.02000	0.46669	0.02539	0.00740	21	0.92	2%	0
027.31	Magnesium, AAS, Dry ash (%)	0014	0.49600	0.00200	0.46669	0.02539	0.00740	21	1.15	3%	0
027.31	Magnesium, AAS, Dry ash (%)	0590	0.50000	0.00000	0.46669	0.02539	0.00740	21	1.31	4%	0
027.31	Magnesium, AAS, Dry ash (%)	0038	0.50150	0.00500	0.46669	0.02539	0.00740	21	1.37	4%	0
027.31	Magnesium, AAS, Dry ash (%)	0529	0.61000	0.04000	0.46669	0.02539	0.00740	21	5.64	15%	1



Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
027.32	Magnesium, AAS, Open vessel (%)	0035	0.43700	0.00800	0.47147	0.02340	0.00478	5	-1.47	4%	0
027.32	Magnesium, AAS, Open vessel (%)	0169	0.46500	0.01000	0.47147	0.02340	0.00478	5	-0.28	1%	0
027.32	Magnesium, AAS, Open vessel (%)	0263	0.46915	0.00490	0.47147	0.02340	0.00478	5	-0.10	0%	0
027.32	Magnesium, AAS, Open vessel (%)	0609	0.49000	0.00000	0.47147	0.02340	0.00478	5	0.79	2%	0
027.32	Magnesium, AAS, Open vessel (%)	0504	0.49620	0.00100	0.47147	0.02340	0.00478	5	1.06	3%	0
027.33	Magnesium, AAS, Microwave (%)	0948	0.46500	0.01000			0.02790	2			0
027.33	Magnesium, AAS, Microwave (%)	0504	0.46920	0.04580			0.02790	2			0
027.41	Magnesium, ICP, Dry ash (%)	0171	0.24100	0.00400	0.46784	0.02860	0.01056	31	-7.93	24%	0
027.41	Magnesium, ICP, Dry ash (%)	0520	0.32455	0.02910	0.46784	0.02860	0.01056	31	-5.01	15%	0
027.41	Magnesium, ICP, Dry ash (%)	0848	0.41000	0.00000	0.46784	0.02860	0.01056	31	-2.02	6%	0
027.41	Magnesium, ICP, Dry ash (%)	0511	0.43000	0.02000	0.46784	0.02860	0.01056	31	-1.32	4%	0
027.41	Magnesium, ICP, Dry ash (%)	0619	0.43400	0.00000	0.46784	0.02860	0.01056	31	-1.18	4%	0
027.41	Magnesium, ICP, Dry ash (%)	0695	0.43900	0.00200	0.46784	0.02860	0.01056	31	-1.01	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0003	0.44500	0.01000	0.46784	0.02860	0.01056	31	-0.80	2%	0
027.41	Magnesium, ICP, Dry ash (%)	2012	0.44500	0.01000	0.46784	0.02860	0.01056	31	-0.80	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0598	0.45040	0.00580	0.46784	0.02860	0.01056	31	-0.61	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0004	0.45500	0.01000	0.46784	0.02860	0.01056	31	-0.45	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0413	0.46000	0.02000	0.46784	0.02860	0.01056	31	-0.27	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0098	0.46000	0.00000	0.46784	0.02860	0.01056	31	-0.27	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0049	0.46500	0.01000	0.46784	0.02860	0.01056	31	-0.10	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0148	0.46750	0.00300	0.46784	0.02860	0.01056	31	-0.01	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0164	0.46850	0.01300	0.46784	0.02860	0.01056	31	0.02	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0019	0.47000	0.00000	0.46784	0.02860	0.01056	31	0.08	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0083	0.47500	0.01000	0.46784	0.02860	0.01056	31	0.25	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0011	0.47645	0.00670	0.46784	0.02860	0.01056	31	0.30	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0300	0.47700	0.01000	0.46784	0.02860	0.01056	31	0.32	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0074	0.48000	0.00000	0.46784	0.02860	0.01056	31	0.43	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0358	0.48000	0.02000	0.46784	0.02860	0.01056	31	0.43	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0610	0.48000	0.00000	0.46784	0.02860	0.01056	31	0.43	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0051	0.48300	0.00640	0.46784	0.02860	0.01056	31	0.53	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0229	0.48550	0.02700	0.46784	0.02860	0.01056	31	0.62	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0910	0.49000	0.04000	0.46784	0.02860	0.01056	31	0.77	2%	0
027.41	Magnesium, ICP, Dry ash (%)	2089	0.49000	0.00000	0.46784	0.02860	0.01056	31	0.77	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0512	0.49190	0.00740	0.46784	0.02860	0.01056	31	0.84	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0226	0.49500	0.01000	0.46784	0.02860	0.01056	31	0.95	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0407	0.50905	0.00410	0.46784	0.02860	0.01056	31	1.44	4%	0
027.41	Magnesium, ICP, Dry ash (%)	0208	0.51250	0.01900	0.46784	0.02860	0.01056	31	1.56	5%	0
027.41	Magnesium, ICP, Dry ash (%)	0720	0.52500	0.03000	0.46784	0.02860	0.01056	31	2.00	6%	0
027.42	Magnesium, ICP, Open vessel (%)	0026	0.42500	0.03000	0.48534	0.02400	0.01074	20	-2.51	6%	0
027.42	Magnesium, ICP, Open vessel (%)	0692	0.45000	0.02000	0.48534	0.02400	0.01074	20	-1.47	4%	0
027.42	Magnesium, ICP, Open vessel (%)	0555	0.46030	0.02120	0.48534	0.02400	0.01074	20	-1.04	3%	0
027.42	Magnesium, ICP, Open vessel (%)	0613	0.46500	0.03000	0.48534	0.02400	0.01074	20	-0.85	2%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
027.42	Magnesium, ICP, Open vessel (%)	0202	0.47000	0.02000	0.48534	0.02400	0.01074	20	-0.64	2%	0
027.42	Magnesium, ICP, Open vessel (%)	0357	0.47000	0.00000	0.48534	0.02400	0.01074	20	-0.64	2%	0
027.42	Magnesium, ICP, Open vessel (%)	0265	0.47500	0.01000	0.48534	0.02400	0.01074	20	-0.43	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0045	0.47600	0.01600	0.48534	0.02400	0.01074	20	-0.39	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0190	0.48000	0.02000	0.48534	0.02400	0.01074	20	-0.22	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0035	0.48400	0.00400	0.48534	0.02400	0.01074	20	-0.06	0%	0
027.42	Magnesium, ICP, Open vessel (%)	0278	0.48500	0.01000	0.48534	0.02400	0.01074	20	-0.01	0%	0
027.42	Magnesium, ICP, Open vessel (%)	0560	0.48665	0.00190	0.48534	0.02400	0.01074	20	0.05	0%	0
027.42	Magnesium, ICP, Open vessel (%)	0009	0.49000	0.00000	0.48534	0.02400	0.01074	20	0.19	0%	0
027.42	Magnesium, ICP, Open vessel (%)	0037	0.49000	0.00000	0.48534	0.02400	0.01074	20	0.19	0%	0
027.42	Magnesium, ICP, Open vessel (%)	0294	0.49500	0.01000	0.48534	0.02400	0.01074	20	0.40	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0187	0.51000	0.00000	0.48534	0.02400	0.01074	20	1.03	3%	0
027.42	Magnesium, ICP, Open vessel (%)	2051	0.51500	0.01000	0.48534	0.02400	0.01074	20	1.24	3%	0
027.42	Magnesium, ICP, Open vessel (%)	0726	0.51755	0.00110	0.48534	0.02400	0.01074	20	1.34	3%	0
027.42	Magnesium, ICP, Open vessel (%)	0693	0.53185	0.00850	0.48534	0.02400	0.01074	20	1.94	5%	0
027.42	Magnesium, ICP, Open vessel (%)	0042	0.54100	0.00200	0.48534	0.02400	0.01074	20	2.32	6%	0
027.42	Magnesium, ICP, Open vessel (%)	0366	0.47000	0.06000	0.48534	0.02400	0.01074	20	-0.64	2%	1
027.43	Magnesium, ICP, Microwave (%)	0345	0.41450	0.00300	0.48687	0.03157	0.01699	17	-2.29	7%	0
027.43	Magnesium, ICP, Microwave (%)	0675	0.44500	0.01000	0.48687	0.03157	0.01699	17	-1.33	4%	0
027.43	Magnesium, ICP, Microwave (%)	0629	0.45950	0.00100	0.48687	0.03157	0.01699	17	-0.87	3%	0
027.43	Magnesium, ICP, Microwave (%)	0510	0.46000	0.00000	0.48687	0.03157	0.01699	17	-0.85	3%	0
027.43	Magnesium, ICP, Microwave (%)	0508	0.46315	0.00730	0.48687	0.03157	0.01699	17	-0.75	2%	0
027.43	Magnesium, ICP, Microwave (%)	0098	0.47000	0.02000	0.48687	0.03157	0.01699	17	-0.53	2%	0
027.43	Magnesium, ICP, Microwave (%)	0918	0.48050	0.00100	0.48687	0.03157	0.01699	17	-0.20	1%	0
027.43	Magnesium, ICP, Microwave (%)	0644	0.48485	0.03190	0.48687	0.03157	0.01699	17	-0.06	0%	0
027.43	Magnesium, ICP, Microwave (%)	0353	0.49000	0.00000	0.48687	0.03157	0.01699	17	0.10	0%	0
027.43	Magnesium, ICP, Microwave (%)	0668	0.49250	0.02100	0.48687	0.03157	0.01699	17	0.18	1%	0
027.43	Magnesium, ICP, Microwave (%)	0033	0.49500	0.01000	0.48687	0.03157	0.01699	17	0.26	1%	0
027.43	Magnesium, ICP, Microwave (%)	2058	0.49500	0.01000	0.48687	0.03157	0.01699	17	0.26	1%	0
027.43	Magnesium, ICP, Microwave (%)	0027	0.51450	0.02300	0.48687	0.03157	0.01699	17	0.88	3%	0
027.43	Magnesium, ICP, Microwave (%)	0968	0.51500	0.00200	0.48687	0.03157	0.01699	17	0.89	3%	0
027.43	Magnesium, ICP, Microwave (%)	0861	0.51800	0.01000	0.48687	0.03157	0.01699	17	0.99	3%	0
027.43	Magnesium, ICP, Microwave (%)	0028	0.52000	0.00000	0.48687	0.03157	0.01699	17	1.05	3%	0
027.43	Magnesium, ICP, Microwave (%)	0168	4.8691	0.13870	0.48687	0.03157	0.01699	17	138.79	450%	0
027.43	Magnesium, ICP, Microwave (%)	0018	5.6550	0.25000	0.48687	0.03157	0.01699	17	163.68	531%	1
027.44	Magnesium, ICP, Dry ash (%)	2004	0.46850	0.03900			0.02100	2			0
027.44	Magnesium, ICP, Dry ash (%)	2023	0.46850	0.00300			0.02100	2			0
027.52	Magnesium, ICP-MS, Open vessel (%)	0154	0.49030	0.01060			0.01230	2			0
027.52	Magnesium, ICP-MS, Open vessel (%)	0047	0.50300	0.01400			0.01230	2			0
027.53	Magnesium, ICP-MS, Microwave (%)	0668	0.47300	0.01600	0.48683	0.01241	0.02033	3			0
027.53	Magnesium, ICP-MS, Microwave (%)	0572	0.49050	0.00500	0.48683	0.01241	0.02033	3			0
027.53	Magnesium, ICP-MS, Microwave (%)	0553	0.49700	0.04000	0.48683	0.01241	0.02033	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	Robust SD	R-bar	# Labs			
027.99	Magnesium, Miscellaneous (%)	0889	0.25500	0.01000	0.41500	0.14080	0.01000	3			0
027.99	Magnesium, Miscellaneous (%)	0242	0.47000	0.00000	0.41500	0.14080	0.01000	3			0
027.99	Magnesium, Miscellaneous (%)	0100	0.52000	0.02000	0.41500	0.14080	0.01000	3			0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0536	493.75	4.8000	768.25	27.834	10.439	20	-9.86	18%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0175	607.50	15.000	768.25	27.834	10.439	20	-5.78	10%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0178	683.55	7.9000	768.25	27.834	10.439	20	-3.04	6%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0629	743.00	28.000	768.25	27.834	10.439	20	-0.91	2%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0689	746.15	7.7000	768.25	27.834	10.439	20	-0.79	1%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0868	747.00	4.0000	768.25	27.834	10.439	20	-0.76	1%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0596	759.80	11.400	768.25	27.834	10.439	20	-0.30	1%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0505	763.00	22.000	768.25	27.834	10.439	20	-0.19	0%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	2067	766.27	3.1170	768.25	27.834	10.439	20	-0.07	0%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0590	768.50	1.0000	768.25	27.834	10.439	20	0.01	0%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0354	775.09	10.990	768.25	27.834	10.439	20	0.25	0%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0939	776.45	17.090	768.25	27.834	10.439	20	0.29	1%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0066	776.45	27.300	768.25	27.834	10.439	20	0.29	1%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0884	781.60	13.200	768.25	27.834	10.439	20	0.48	1%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0563	781.82	13.591	768.25	27.834	10.439	20	0.49	1%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	2022	789.00	10.000	768.25	27.834	10.439	20	0.75	1%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0529	792.50	0.00000	768.25	27.834	10.439	20	0.87	2%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0208	799.50	5.0000	768.25	27.834	10.439	20	1.12	2%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0723	800.00	0.00000	768.25	27.834	10.439	20	1.14	2%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0001	825.75	6.7000	768.25	27.834	10.439	20	2.07	4%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0014	685.00	48.000	768.25	27.834	10.439	20	-2.99	5%	1
028.32	Manganese, AAS, Open vessel (mg / kg (ppm))	0609	696.00	0.00000	764.91	45.968	13.806	5	-1.50	5%	0
028.32	Manganese, AAS, Open vessel (mg / kg (ppm))	0035	751.05	57.300	764.91	45.968	13.806	5	-0.30	1%	0
028.32	Manganese, AAS, Open vessel (mg / kg (ppm))	0263	786.49	5.4300	764.91	45.968	13.806	5	0.47	1%	0
028.32	Manganese, AAS, Open vessel (mg / kg (ppm))	0038	787.00	4.0000	764.91	45.968	13.806	5	0.48	1%	0
028.32	Manganese, AAS, Open vessel (mg / kg (ppm))	0504	790.15	2.3000	764.91	45.968	13.806	5	0.55	2%	0
028.33	Manganese, AAS, Microwave (mg / kg (ppm))	0948	673.36	1.0600			18.480	2			0
028.33	Manganese, AAS, Microwave (mg / kg (ppm))	0504	780.85	35.900			18.480	2			0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0171	383.50	5.0000	755.08	35.968	19.995	27	-10.33	25%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0520	521.55	13.830	755.08	35.968	19.995	27	-6.49	15%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0619	701.00	2.0000	755.08	35.968	19.995	27	-1.50	4%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0226	705.00	22.000	755.08	35.968	19.995	27	-1.39	3%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0511	713.50	11.000	755.08	35.968	19.995	27	-1.16	3%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0208	716.20	56.200	755.08	35.968	19.995	27	-1.08	3%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0003	719.50	29.000	755.08	35.968	19.995	27	-0.99	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0407	727.33	18.096	755.08	35.968	19.995	27	-0.77	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0004	729.50	15.000	755.08	35.968	19.995	27	-0.71	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0610	731.50	3.0000	755.08	35.968	19.995	27	-0.66	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0148	745.50	6.8000	755.08	35.968	19.995	27	-0.27	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	Robust SD	R-bar	# Labs			
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0358	755.37	38.770	755.08	35.968	19.995	27	0.01	0%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0098	762.20	25.600	755.08	35.968	19.995	27	0.20	0%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0074	763.50	11.000	755.08	35.968	19.995	27	0.23	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0051	765.98	0.21000	755.08	35.968	19.995	27	0.30	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0049	766.35	40.570	755.08	35.968	19.995	27	0.31	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0229	772.25	0.27000	755.08	35.968	19.995	27	0.48	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	2012	772.62	52.600	755.08	35.968	19.995	27	0.49	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0720	773.64	30.700	755.08	35.968	19.995	27	0.52	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0512	778.30	3.2000	755.08	35.968	19.995	27	0.65	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0011	782.81	4.4200	755.08	35.968	19.995	27	0.77	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0598	783.80	0.20000	755.08	35.968	19.995	27	0.80	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0164	785.50	7.0000	755.08	35.968	19.995	27	0.85	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0019	786.65	84.700	755.08	35.968	19.995	27	0.88	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0083	799.00	18.000	755.08	35.968	19.995	27	1.22	3%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	2089	799.20	19.970	755.08	35.968	19.995	27	1.23	3%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0695	823.13	20.741	755.08	35.968	19.995	27	1.89	5%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0910	872.00	98.000	755.08	35.968	19.995	27	3.25	8%	1
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0692	714.00	40.000	777.47	46.025	16.700	21	-1.38	4%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0413	721.00	2.0000	777.47	46.025	16.700	21	-1.23	4%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0202	726.35	0.67000	777.47	46.025	16.700	21	-1.11	3%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	2051	727.50	19.000	777.47	46.025	16.700	21	-1.09	3%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0042	741.00	10.000	777.47	46.025	16.700	21	-0.79	2%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0037	750.90	6.8000	777.47	46.025	16.700	21	-0.58	2%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0009	751.21	2.1000	777.47	46.025	16.700	21	-0.57	2%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0366	759.50	25.000	777.47	46.025	16.700	21	-0.39	1%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0278	761.50	7.0000	777.47	46.025	16.700	21	-0.35	1%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0265	768.50	5.0000	777.47	46.025	16.700	21	-0.19	1%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0693	770.20	7.4647	777.47	46.025	16.700	21	-0.16	0%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0555	778.00	12.000	777.47	46.025	16.700	21	0.01	0%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0357	794.50	1.0000	777.47	46.025	16.700	21	0.37	1%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0294	800.41	15.220	777.47	46.025	16.700	21	0.50	1%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0560	805.10	8.8000	777.47	46.025	16.700	21	0.60	2%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0035	810.30	25.400	777.47	46.025	16.700	21	0.71	2%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0187	810.48	4.6500	777.47	46.025	16.700	21	0.72	2%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0613	817.90	63.400	777.47	46.025	16.700	21	0.88	3%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0726	826.50	5.0000	777.47	46.025	16.700	21	1.07	3%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0045	845.50	55.000	777.47	46.025	16.700	21	1.48	4%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0190	856.20	35.200	777.47	46.025	16.700	21	1.71	5%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0026	0.06500	0.01000	777.47	46.025	16.700	21	-16.89	50%	2
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0675	657.96	6.5700	776.11	62.324	21.817	17	-1.90	8%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0510	697.50	13.000	776.11	62.324	21.817	17	-1.26	5%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0968	699.00	0.00000	776.11	62.324	21.817	17	-1.24	5%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0629	704.50	23.000	776.11	62.324	21.817	17	-1.15	5%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0098	747.60	21.200	776.11	62.324	21.817	17	-0.46	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2058	753.72	49.970	776.11	62.324	21.817	17	-0.36	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0508	756.34	29.560	776.11	62.324	21.817	17	-0.32	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0918	773.46	1.4900	776.11	62.324	21.817	17	-0.04	0%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0168	774.83	35.160	776.11	62.324	21.817	17	-0.02	0%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0345	793.75	5.5000	776.11	62.324	21.817	17	0.28	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0033	796.50	5.0000	776.11	62.324	21.817	17	0.33	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0861	803.50	47.000	776.11	62.324	21.817	17	0.44	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0353	810.50	1.0000	776.11	62.324	21.817	17	0.55	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0668	838.50	63.000	776.11	62.324	21.817	17	1.00	4%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0644	840.29	29.335	776.11	62.324	21.817	17	1.03	4%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0028	864.00	2.0000	776.11	62.324	21.817	17	1.41	6%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0027	867.88	38.100	776.11	62.324	21.817	17	1.47	6%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0169	841.00	116.00	776.11	62.324	21.817	17	1.04	4%	1
028.44	Manganese, ICP, Dry ash (mg / kg (ppm))	2023	547.50	19.000			13.500	2			0
028.44	Manganese, ICP, Dry ash (mg / kg (ppm))	2004	770.00	8.0000			13.500	2			0
028.52	Manganese, ICP-MS, Open vessel (mg / kg (ppm))	0047	773.38	21.000			17.000	2			0
028.52	Manganese, ICP-MS, Open vessel (mg / kg (ppm))	0555	793.50	13.000			17.000	2			0
028.53	Manganese, ICP-MS, Microwave (mg / kg (ppm))	0668	760.00	40.000	792.00	42.332	40.000	3			0
028.53	Manganese, ICP-MS, Microwave (mg / kg (ppm))	0572	776.00	24.000	792.00	42.332	40.000	3			0
028.53	Manganese, ICP-MS, Microwave (mg / kg (ppm))	0553	840.00	56.000	792.00	42.332	40.000	3			0
028.99	Manganese, Miscellaneous (mg / kg (ppm))	0242	621.50	169.00			93.000	2			0
028.99	Manganese, Miscellaneous (mg / kg (ppm))	0100	800.50	17.000			93.000	2			0
031.00	Phosphorus, Vol (%)	0895	1.5950	0.01000			0.00500	2			0
031.00	Phosphorus, Vol (%)	0893	1.6300	0.00000			0.00500	2			0
031.01	Phosphorus, Photometric (%)	2086	1.2200	0.00000	1.5717	0.06391	0.02099	48	-5.50	11%	0
031.01	Phosphorus, Photometric (%)	0609	1.2650	0.01000	1.5717	0.06391	0.02099	48	-4.80	10%	0
031.01	Phosphorus, Photometric (%)	0921	1.2800	0.00000	1.5717	0.06391	0.02099	48	-4.56	9%	0
031.01	Phosphorus, Photometric (%)	0108	1.2900	0.00000	1.5717	0.06391	0.02099	48	-4.41	9%	0
031.01	Phosphorus, Photometric (%)	0552	1.3000	0.04000	1.5717	0.06391	0.02099	48	-4.25	9%	0
031.01	Phosphorus, Photometric (%)	0885	1.4100	0.00000	1.5717	0.06391	0.02099	48	-2.53	5%	0
031.01	Phosphorus, Photometric (%)	2068	1.4450	0.01000	1.5717	0.06391	0.02099	48	-1.98	4%	0
031.01	Phosphorus, Photometric (%)	0152	1.4500	0.00000	1.5717	0.06391	0.02099	48	-1.90	4%	0
031.01	Phosphorus, Photometric (%)	0035	1.4630	0.10800	1.5717	0.06391	0.02099	48	-1.70	3%	0
031.01	Phosphorus, Photometric (%)	0874	1.4736	0.02030	1.5717	0.06391	0.02099	48	-1.54	3%	0
031.01	Phosphorus, Photometric (%)	0646	1.5250	0.05000	1.5717	0.06391	0.02099	48	-0.73	1%	0
031.01	Phosphorus, Photometric (%)	0038	1.5350	0.03000	1.5717	0.06391	0.02099	48	-0.57	1%	0
031.01	Phosphorus, Photometric (%)	0066	1.5350	0.01000	1.5717	0.06391	0.02099	48	-0.57	1%	0
031.01	Phosphorus, Photometric (%)	0934	1.5350	0.01000	1.5717	0.06391	0.02099	48	-0.57	1%	0
031.01	Phosphorus, Photometric (%)	0563	1.5440	0.01910	1.5717	0.06391	0.02099	48	-0.43	1%	0
031.01	Phosphorus, Photometric (%)	2011	1.5450	0.11000	1.5717	0.06391	0.02099	48	-0.42	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	Robust SD	R-bar	# Labs			
031.01	Phosphorus, Photometric (%)	0651	1.5485	0.00700	1.5717	0.06391	0.02099	48	-0.36	1%	0
031.01	Phosphorus, Photometric (%)	0674	1.5500	0.00000	1.5717	0.06391	0.02099	48	-0.34	1%	0
031.01	Phosphorus, Photometric (%)	0620	1.5580	0.00390	1.5717	0.06391	0.02099	48	-0.22	0%	0
031.01	Phosphorus, Photometric (%)	2009	1.5639	0.00250	1.5717	0.06391	0.02099	48	-0.12	0%	0
031.01	Phosphorus, Photometric (%)	0511	1.5650	0.01000	1.5717	0.06391	0.02099	48	-0.11	0%	0
031.01	Phosphorus, Photometric (%)	0897	1.5655	0.00100	1.5717	0.06391	0.02099	48	-0.10	0%	0
031.01	Phosphorus, Photometric (%)	0354	1.5750	0.01000	1.5717	0.06391	0.02099	48	0.05	0%	0
031.01	Phosphorus, Photometric (%)	0629	1.5750	0.05000	1.5717	0.06391	0.02099	48	0.05	0%	0
031.01	Phosphorus, Photometric (%)	0868	1.5800	0.02000	1.5717	0.06391	0.02099	48	0.13	0%	0
031.01	Phosphorus, Photometric (%)	0937	1.5800	0.00000	1.5717	0.06391	0.02099	48	0.13	0%	0
031.01	Phosphorus, Photometric (%)	0849	1.5840	0.00800	1.5717	0.06391	0.02099	48	0.19	0%	0
031.01	Phosphorus, Photometric (%)	0722	1.5879	0.00260	1.5717	0.06391	0.02099	48	0.25	1%	0
031.01	Phosphorus, Photometric (%)	0263	1.5930	0.00200	1.5717	0.06391	0.02099	48	0.33	1%	0
031.01	Phosphorus, Photometric (%)	0728	1.5950	0.01000	1.5717	0.06391	0.02099	48	0.36	1%	0
031.01	Phosphorus, Photometric (%)	0208	1.5975	0.03500	1.5717	0.06391	0.02099	48	0.40	1%	0
031.01	Phosphorus, Photometric (%)	0175	1.6000	0.02000	1.5717	0.06391	0.02099	48	0.44	1%	0
031.01	Phosphorus, Photometric (%)	2058	1.6000	0.02000	1.5717	0.06391	0.02099	48	0.44	1%	0
031.01	Phosphorus, Photometric (%)	0178	1.6025	0.00500	1.5717	0.06391	0.02099	48	0.48	1%	0
031.01	Phosphorus, Photometric (%)	0596	1.6100	0.10000	1.5717	0.06391	0.02099	48	0.60	1%	0
031.01	Phosphorus, Photometric (%)	0884	1.6100	0.04000	1.5717	0.06391	0.02099	48	0.60	1%	0
031.01	Phosphorus, Photometric (%)	0903	1.6100	0.02000	1.5717	0.06391	0.02099	48	0.60	1%	0
031.01	Phosphorus, Photometric (%)	0948	1.6150	0.01000	1.5717	0.06391	0.02099	48	0.68	1%	0
031.01	Phosphorus, Photometric (%)	0142	1.6200	0.00000	1.5717	0.06391	0.02099	48	0.76	2%	0
031.01	Phosphorus, Photometric (%)	0689	1.6300	0.04000	1.5717	0.06391	0.02099	48	0.91	2%	0
031.01	Phosphorus, Photometric (%)	2006	1.6315	0.00100	1.5717	0.06391	0.02099	48	0.94	2%	0
031.01	Phosphorus, Photometric (%)	2097	1.6349	0.02200	1.5717	0.06391	0.02099	48	0.99	2%	0
031.01	Phosphorus, Photometric (%)	0650	1.6450	0.01000	1.5717	0.06391	0.02099	48	1.15	2%	0
031.01	Phosphorus, Photometric (%)	0940	1.6450	0.03000	1.5717	0.06391	0.02099	48	1.15	2%	0
031.01	Phosphorus, Photometric (%)	0016	1.6750	0.03000	1.5717	0.06391	0.02099	48	1.62	3%	0
031.01	Phosphorus, Photometric (%)	0939	1.6850	0.03000	1.5717	0.06391	0.02099	48	1.77	4%	0
031.01	Phosphorus, Photometric (%)	0900	1.7000	0.00000	1.5717	0.06391	0.02099	48	2.01	4%	0
031.01	Phosphorus, Photometric (%)	2091	1.7750	0.05000	1.5717	0.06391	0.02099	48	3.18	6%	0
031.01	Phosphorus, Photometric (%)	0529	1.0350	0.31000	1.5717	0.06391	0.02099	48	-8.40	17%	1
031.02	Phosphorus, GQMP (AOAC 935.13-Extraction) (%)	2053	1.6000	0.08000	1.6172	0.02057	0.03413	3			0
031.02	Phosphorus, GQMP (AOAC 935.13-Extraction) (%)	0011	1.6117	0.00240	1.6172	0.02057	0.03413	3			0
031.02	Phosphorus, GQMP (AOAC 935.13-Extraction) (%)	0505	1.6400	0.02000	1.6172	0.02057	0.03413	3			0
031.03	Phosphorus, Autoanalyzer (%)	0001	1.1695	0.06700	1.5001	0.22328	0.02478	4	-1.48	11%	0
031.03	Phosphorus, Autoanalyzer (%)	0047	1.5600	0.02000	1.5001	0.22328	0.02478	4	0.27	2%	0
031.03	Phosphorus, Autoanalyzer (%)	0169	1.6350	0.01000	1.5001	0.22328	0.02478	4	0.60	4%	0
031.03	Phosphorus, Autoanalyzer (%)	0036	1.6361	0.00210	1.5001	0.22328	0.02478	4	0.61	5%	0
031.06	Phosphorus, Hach Method (%)	0536	1.1550	0.11000			0.06150	2			0
031.06	Phosphorus, Hach Method (%)	0138	1.4245	0.01300			0.06150	2			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
031.41	Phosphorus, ICP, Dry ash (%)	0520	1.0430	0.04600	1.5876	0.05207	0.03960	31	-10.46	17%	0
031.41	Phosphorus, ICP, Dry ash (%)	0619	1.4000	0.00000	1.5876	0.05207	0.03960	31	-3.60	6%	0
031.41	Phosphorus, ICP, Dry ash (%)	0123	1.4100	0.06000	1.5876	0.05207	0.03960	31	-3.41	6%	0
031.41	Phosphorus, ICP, Dry ash (%)	0144	1.4800	0.06000	1.5876	0.05207	0.03960	31	-2.07	3%	0
031.41	Phosphorus, ICP, Dry ash (%)	0003	1.5250	0.11000	1.5876	0.05207	0.03960	31	-1.20	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0300	1.5350	0.00800	1.5876	0.05207	0.03960	31	-1.01	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0164	1.5350	0.01000	1.5876	0.05207	0.03960	31	-1.01	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0019	1.5400	0.02000	1.5876	0.05207	0.03960	31	-0.91	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0004	1.5450	0.03000	1.5876	0.05207	0.03960	31	-0.82	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0848	1.5600	0.00000	1.5876	0.05207	0.03960	31	-0.53	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	2012	1.5650	0.03000	1.5876	0.05207	0.03960	31	-0.43	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0413	1.5700	0.00000	1.5876	0.05207	0.03960	31	-0.34	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0695	1.5775	0.09500	1.5876	0.05207	0.03960	31	-0.19	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0610	1.5800	0.02000	1.5876	0.05207	0.03960	31	-0.15	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0083	1.5900	0.02000	1.5876	0.05207	0.03960	31	0.05	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0226	1.5900	0.04000	1.5876	0.05207	0.03960	31	0.05	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0358	1.5900	0.00000	1.5876	0.05207	0.03960	31	0.05	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0098	1.5990	0.09600	1.5876	0.05207	0.03960	31	0.22	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0208	1.6040	0.05400	1.5876	0.05207	0.03960	31	0.32	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0148	1.6110	0.00200	1.5876	0.05207	0.03960	31	0.45	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0229	1.6155	0.02900	1.5876	0.05207	0.03960	31	0.54	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0051	1.6163	0.04260	1.5876	0.05207	0.03960	31	0.55	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0049	1.6200	0.04000	1.5876	0.05207	0.03960	31	0.62	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0171	1.6200	0.10000	1.5876	0.05207	0.03960	31	0.62	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	2089	1.6200	0.08000	1.5876	0.05207	0.03960	31	0.62	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0074	1.6300	0.02000	1.5876	0.05207	0.03960	31	0.81	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0720	1.6600	0.06000	1.5876	0.05207	0.03960	31	1.39	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0512	1.6720	0.01600	1.5876	0.05207	0.03960	31	1.62	3%	0
031.41	Phosphorus, ICP, Dry ash (%)	0407	1.6810	0.10550	1.5876	0.05207	0.03960	31	1.79	3%	0
031.41	Phosphorus, ICP, Dry ash (%)	0598	1.6885	0.01300	1.5876	0.05207	0.03960	31	1.94	3%	0
031.41	Phosphorus, ICP, Dry ash (%)	0011	1.7454	0.02050	1.5876	0.05207	0.03960	31	3.03	5%	0
031.41	Phosphorus, ICP, Dry ash (%)	0910	1.7200	0.18000	1.5876	0.05207	0.03960	31	2.54	4%	1
031.42	Phosphorus, ICP, Open vessel (%)	0613	1.3900	0.16000	1.5667	0.06687	0.06008	22	-2.64	6%	0
031.42	Phosphorus, ICP, Open vessel (%)	0692	1.4400	0.08000	1.5667	0.06687	0.06008	22	-1.89	4%	0
031.42	Phosphorus, ICP, Open vessel (%)	0035	1.4885	0.12500	1.5667	0.06687	0.06008	22	-1.17	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0026	1.4900	0.10000	1.5667	0.06687	0.06008	22	-1.15	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0009	1.5300	0.14000	1.5667	0.06687	0.06008	22	-0.55	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0042	1.5350	0.07000	1.5667	0.06687	0.06008	22	-0.47	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0278	1.5350	0.01000	1.5667	0.06687	0.06008	22	-0.47	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0205	1.5450	0.01000	1.5667	0.06687	0.06008	22	-0.32	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0265	1.5500	0.00000	1.5667	0.06687	0.06008	22	-0.25	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0014	1.5550	0.11000	1.5667	0.06687	0.06008	22	-0.18	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	Robust SD	R-bar	# Labs			
031.42	Phosphorus, ICP, Open vessel (%)	0294	1.5550	0.01000	1.5667	0.06687	0.06008	22	-0.18	0%	0
031.42	Phosphorus, ICP, Open vessel (%)	0366	1.5600	0.16000	1.5667	0.06687	0.06008	22	-0.10	0%	0
031.42	Phosphorus, ICP, Open vessel (%)	0357	1.5700	0.00000	1.5667	0.06687	0.06008	22	0.05	0%	0
031.42	Phosphorus, ICP, Open vessel (%)	0037	1.5750	0.03000	1.5667	0.06687	0.06008	22	0.12	0%	0
031.42	Phosphorus, ICP, Open vessel (%)	0202	1.5950	0.07000	1.5667	0.06687	0.06008	22	0.42	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0555	1.6070	0.09260	1.5667	0.06687	0.06008	22	0.60	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0693	1.6206	0.05490	1.5667	0.06687	0.06008	22	0.81	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0045	1.6250	0.03000	1.5667	0.06687	0.06008	22	0.87	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0190	1.6400	0.04000	1.5667	0.06687	0.06008	22	1.10	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0560	1.6502	0.00720	1.5667	0.06687	0.06008	22	1.25	3%	0
031.42	Phosphorus, ICP, Open vessel (%)	0726	1.6570	0.00200	1.5667	0.06687	0.06008	22	1.35	3%	0
031.42	Phosphorus, ICP, Open vessel (%)	0187	1.6600	0.02000	1.5667	0.06687	0.06008	22	1.40	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0675	1.4650	0.01000	1.6263	0.05993	0.03794	18	-2.69	5%	0
031.43	Phosphorus, ICP, Microwave (%)	0861	1.5550	0.05000	1.6263	0.05993	0.03794	18	-1.19	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0918	1.5645	0.00300	1.6263	0.05993	0.03794	18	-1.03	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0629	1.5700	0.06000	1.6263	0.05993	0.03794	18	-0.94	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0168	1.5821	0.01300	1.6263	0.05993	0.03794	18	-0.74	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0353	1.5950	0.01000	1.6263	0.05993	0.03794	18	-0.52	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0510	1.6050	0.03000	1.6263	0.05993	0.03794	18	-0.36	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0968	1.6095	0.00100	1.6263	0.05993	0.03794	18	-0.28	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0033	1.6200	0.04000	1.6263	0.05993	0.03794	18	-0.11	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0668	1.6250	0.05000	1.6263	0.05993	0.03794	18	-0.02	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0036	1.6477	0.00020	1.6263	0.05993	0.03794	18	0.36	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0027	1.6585	0.04300	1.6263	0.05993	0.03794	18	0.54	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0098	1.6610	0.09800	1.6263	0.05993	0.03794	18	0.58	1%	0
031.43	Phosphorus, ICP, Microwave (%)	2058	1.6650	0.01000	1.6263	0.05993	0.03794	18	0.65	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0345	1.6800	0.04000	1.6263	0.05993	0.03794	18	0.90	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0644	1.6882	0.11020	1.6263	0.05993	0.03794	18	1.03	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0508	1.6963	0.06460	1.6263	0.05993	0.03794	18	1.17	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0028	1.7150	0.05000	1.6263	0.05993	0.03794	18	1.48	3%	0
031.44	Phosphorus, ICP, Dry ash (%)	2023	1.2800	0.14000			0.12500	2			0
031.44	Phosphorus, ICP, Dry ash (%)	2004	1.6450	0.11000			0.12500	2			0
031.53	Phosphorus, ICP-MS, Microwave (%)	0668	0.94500	0.05200	1.4467	0.43653	0.06067	3			0
031.53	Phosphorus, ICP-MS, Microwave (%)	0553	1.6550	0.09000	1.4467	0.43653	0.06067	3			0
031.53	Phosphorus, ICP-MS, Microwave (%)	0572	1.7400	0.04000	1.4467	0.43653	0.06067	3			0
031.99	Phosphorus, Miscellaneous (%)	0889	1.1800	0.04000	1.5852	0.12975	0.03000	6	-3.12	13%	0
031.99	Phosphorus, Miscellaneous (%)	0676	1.5250	0.03000	1.5852	0.12975	0.03000	6	-0.46	2%	0
031.99	Phosphorus, Miscellaneous (%)	0100	1.5800	0.08000	1.5852	0.12975	0.03000	6	-0.04	0%	0
031.99	Phosphorus, Miscellaneous (%)	0590	1.6000	0.00000	1.5852	0.12975	0.03000	6	0.11	0%	0
031.99	Phosphorus, Miscellaneous (%)	0242	1.6950	0.01000	1.5852	0.12975	0.03000	6	0.85	3%	0
031.99	Phosphorus, Miscellaneous (%)	0852	1.7100	0.02000	1.5852	0.12975	0.03000	6	0.96	4%	0
032.02	Potassium, Flame Emission (%)	0047	2.1400	0.04000	2.3675	0.00354	0.05667	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	Robust SD	R-bar	# Labs			
032.02	Potassium, Flame Emission (%)	0590	2.3650	0.07000	2.3675	0.00354	0.05667	3			0
032.02	Potassium, Flame Emission (%)	0066	2.3700	0.06000	2.3675	0.00354	0.05667	3			0
032.08	Potassium, Ion-selective electrode (%)	2006	2.2315	0.00100			0.00100	1			0
032.31	Potassium, AAS, Dry ash (%)	2022	1.0925	0.00700	2.1617	0.24549	0.04637	22	-4.36	25%	0
032.31	Potassium, AAS, Dry ash (%)	0948	1.2100	0.02000	2.1617	0.24549	0.04637	22	-3.88	22%	0
032.31	Potassium, AAS, Dry ash (%)	0921	1.4995	0.12700	2.1617	0.24549	0.04637	22	-2.70	15%	0
032.31	Potassium, AAS, Dry ash (%)	0142	1.7549	0.03300	2.1617	0.24549	0.04637	22	-1.66	9%	0
032.31	Potassium, AAS, Dry ash (%)	0536	1.8400	0.06000	2.1617	0.24549	0.04637	22	-1.31	7%	0
032.31	Potassium, AAS, Dry ash (%)	0689	1.8450	0.05000	2.1617	0.24549	0.04637	22	-1.29	7%	0
032.31	Potassium, AAS, Dry ash (%)	0175	1.9700	0.00000	2.1617	0.24549	0.04637	22	-0.78	4%	0
032.31	Potassium, AAS, Dry ash (%)	0505	2.0350	0.13000	2.1617	0.24549	0.04637	22	-0.52	3%	0
032.31	Potassium, AAS, Dry ash (%)	0629	2.2150	0.03000	2.1617	0.24549	0.04637	22	0.22	1%	0
032.31	Potassium, AAS, Dry ash (%)	0014	2.2200	0.06000	2.1617	0.24549	0.04637	22	0.24	1%	0
032.31	Potassium, AAS, Dry ash (%)	0650	2.2300	0.10000	2.1617	0.24549	0.04637	22	0.28	2%	0
032.31	Potassium, AAS, Dry ash (%)	0868	2.2300	0.00000	2.1617	0.24549	0.04637	22	0.28	2%	0
032.31	Potassium, AAS, Dry ash (%)	0354	2.2350	0.01000	2.1617	0.24549	0.04637	22	0.30	2%	0
032.31	Potassium, AAS, Dry ash (%)	0529	2.2500	0.02000	2.1617	0.24549	0.04637	22	0.36	2%	0
032.31	Potassium, AAS, Dry ash (%)	0178	2.2850	0.04400	2.1617	0.24549	0.04637	22	0.50	3%	0
032.31	Potassium, AAS, Dry ash (%)	2053	2.2950	0.03000	2.1617	0.24549	0.04637	22	0.54	3%	0
032.31	Potassium, AAS, Dry ash (%)	0038	2.3150	0.01000	2.1617	0.24549	0.04637	22	0.62	4%	0
032.31	Potassium, AAS, Dry ash (%)	0563	2.3400	0.04000	2.1617	0.24549	0.04637	22	0.73	4%	0
032.31	Potassium, AAS, Dry ash (%)	0208	2.3750	0.09000	2.1617	0.24549	0.04637	22	0.87	5%	0
032.31	Potassium, AAS, Dry ash (%)	0939	2.4100	0.02000	2.1617	0.24549	0.04637	22	1.01	6%	0
032.31	Potassium, AAS, Dry ash (%)	0874	2.4566	0.08920	2.1617	0.24549	0.04637	22	1.20	7%	0
032.31	Potassium, AAS, Dry ash (%)	0596	2.4850	0.05000	2.1617	0.24549	0.04637	22	1.32	7%	0
032.32	Potassium, AAS, Open vessel (%)	0035	2.1138	0.16350	2.2339	0.13947	0.07448	4	-0.86	3%	0
032.32	Potassium, AAS, Open vessel (%)	0169	2.1600	0.02000	2.2339	0.13947	0.07448	4	-0.53	2%	0
032.32	Potassium, AAS, Open vessel (%)	0263	2.2318	0.05440	2.2339	0.13947	0.07448	4	-0.01	0%	0
032.32	Potassium, AAS, Open vessel (%)	0609	2.4300	0.06000	2.2339	0.13947	0.07448	4	1.41	4%	0
032.41	Potassium, ICP, Dry ash (%)	0171	1.1100	0.01200	2.2359	0.13511	0.04384	31	-8.33	25%	0
032.41	Potassium, ICP, Dry ash (%)	0520	1.6750	0.09000	2.2359	0.13511	0.04384	31	-4.15	13%	0
032.41	Potassium, ICP, Dry ash (%)	0003	2.0500	0.00000	2.2359	0.13511	0.04384	31	-1.38	4%	0
032.41	Potassium, ICP, Dry ash (%)	2012	2.0500	0.08000	2.2359	0.13511	0.04384	31	-1.38	4%	0
032.41	Potassium, ICP, Dry ash (%)	0083	2.0950	0.11000	2.2359	0.13511	0.04384	31	-1.04	3%	0
032.41	Potassium, ICP, Dry ash (%)	0619	2.0950	0.05000	2.2359	0.13511	0.04384	31	-1.04	3%	0
032.41	Potassium, ICP, Dry ash (%)	0144	2.1150	0.05000	2.2359	0.13511	0.04384	31	-0.89	3%	0
032.41	Potassium, ICP, Dry ash (%)	0011	2.1393	0.04100	2.2359	0.13511	0.04384	31	-0.71	2%	0
032.41	Potassium, ICP, Dry ash (%)	0720	2.1600	0.08000	2.2359	0.13511	0.04384	31	-0.56	2%	0
032.41	Potassium, ICP, Dry ash (%)	0098	2.1700	0.00000	2.2359	0.13511	0.04384	31	-0.49	1%	0
032.41	Potassium, ICP, Dry ash (%)	0019	2.1750	0.09000	2.2359	0.13511	0.04384	31	-0.45	1%	0
032.41	Potassium, ICP, Dry ash (%)	0004	2.1900	0.02000	2.2359	0.13511	0.04384	31	-0.34	1%	0
032.41	Potassium, ICP, Dry ash (%)	0148	2.2090	0.01600	2.2359	0.13511	0.04384	31	-0.20	1%	0

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032.41	Potassium, ICP, Dry ash (%)	0848	2.2100	0.00000	2.2359	0.13511	0.04384	31	-0.19	1%	0
032.41	Potassium, ICP, Dry ash (%)	0511	2.2200	0.10000	2.2359	0.13511	0.04384	31	-0.12	0%	0
032.41	Potassium, ICP, Dry ash (%)	0358	2.2500	0.00000	2.2359	0.13511	0.04384	31	0.10	0%	0
032.41	Potassium, ICP, Dry ash (%)	0164	2.2550	0.03000	2.2359	0.13511	0.04384	31	0.14	0%	0
032.41	Potassium, ICP, Dry ash (%)	0610	2.2750	0.01000	2.2359	0.13511	0.04384	31	0.29	1%	0
032.41	Potassium, ICP, Dry ash (%)	0413	2.2850	0.05000	2.2359	0.13511	0.04384	31	0.36	1%	0
032.41	Potassium, ICP, Dry ash (%)	0300	2.2925	0.13100	2.2359	0.13511	0.04384	31	0.42	1%	0
032.41	Potassium, ICP, Dry ash (%)	0910	2.2950	0.11000	2.2359	0.13511	0.04384	31	0.44	1%	0
032.41	Potassium, ICP, Dry ash (%)	0695	2.2955	0.01100	2.2359	0.13511	0.04384	31	0.44	1%	0
032.41	Potassium, ICP, Dry ash (%)	0512	2.3265	0.00300	2.2359	0.13511	0.04384	31	0.67	2%	0
032.41	Potassium, ICP, Dry ash (%)	0407	2.3358	0.01870	2.2359	0.13511	0.04384	31	0.74	2%	0
032.41	Potassium, ICP, Dry ash (%)	2089	2.3400	0.02000	2.2359	0.13511	0.04384	31	0.77	2%	0
032.41	Potassium, ICP, Dry ash (%)	0049	2.3500	0.00000	2.2359	0.13511	0.04384	31	0.84	3%	0
032.41	Potassium, ICP, Dry ash (%)	0229	2.3750	0.12600	2.2359	0.13511	0.04384	31	1.03	3%	0
032.41	Potassium, ICP, Dry ash (%)	0051	2.3866	0.09420	2.2359	0.13511	0.04384	31	1.12	3%	0
032.41	Potassium, ICP, Dry ash (%)	0074	2.3950	0.01000	2.2359	0.13511	0.04384	31	1.18	4%	0
032.41	Potassium, ICP, Dry ash (%)	0226	2.4400	0.00000	2.2359	0.13511	0.04384	31	1.51	5%	0
032.41	Potassium, ICP, Dry ash (%)	0598	2.6530	0.00600	2.2359	0.13511	0.04384	31	3.09	9%	0
032.41	Potassium, ICP, Dry ash (%)	0208	2.3305	0.34700	2.2359	0.13511	0.04384	31	0.70	2%	1
032.42	Potassium, ICP, Open vessel (%)	0026	2.0650	0.15000	2.2790	0.10285	0.06000	22	-2.08	5%	0
032.42	Potassium, ICP, Open vessel (%)	0009	2.0700	0.06000	2.2790	0.10285	0.06000	22	-2.03	5%	0
032.42	Potassium, ICP, Open vessel (%)	0692	2.1400	0.12000	2.2790	0.10285	0.06000	22	-1.35	3%	0
032.42	Potassium, ICP, Open vessel (%)	2051	2.1650	0.03000	2.2790	0.10285	0.06000	22	-1.11	3%	0
032.42	Potassium, ICP, Open vessel (%)	0613	2.1850	0.13000	2.2790	0.10285	0.06000	22	-0.91	2%	0
032.42	Potassium, ICP, Open vessel (%)	0045	2.2400	0.10000	2.2790	0.10285	0.06000	22	-0.38	1%	0
032.42	Potassium, ICP, Open vessel (%)	0278	2.2600	0.06000	2.2790	0.10285	0.06000	22	-0.18	0%	0
032.42	Potassium, ICP, Open vessel (%)	0035	2.2620	0.02000	2.2790	0.10285	0.06000	22	-0.16	0%	0
032.42	Potassium, ICP, Open vessel (%)	0357	2.2650	0.01000	2.2790	0.10285	0.06000	22	-0.14	0%	0
032.42	Potassium, ICP, Open vessel (%)	0202	2.2700	0.04000	2.2790	0.10285	0.06000	22	-0.09	0%	0
032.42	Potassium, ICP, Open vessel (%)	0042	2.2750	0.03000	2.2790	0.10285	0.06000	22	-0.04	0%	0
032.42	Potassium, ICP, Open vessel (%)	0205	2.2750	0.01000	2.2790	0.10285	0.06000	22	-0.04	0%	0
032.42	Potassium, ICP, Open vessel (%)	0366	2.2800	0.16000	2.2790	0.10285	0.06000	22	0.01	0%	0
032.42	Potassium, ICP, Open vessel (%)	0726	2.2830	0.00200	2.2790	0.10285	0.06000	22	0.04	0%	0
032.42	Potassium, ICP, Open vessel (%)	0693	2.3073	0.02470	2.2790	0.10285	0.06000	22	0.28	1%	0
032.42	Potassium, ICP, Open vessel (%)	0265	2.3400	0.08000	2.2790	0.10285	0.06000	22	0.59	1%	0
032.42	Potassium, ICP, Open vessel (%)	0555	2.3594	0.07870	2.2790	0.10285	0.06000	22	0.78	2%	0
032.42	Potassium, ICP, Open vessel (%)	0560	2.3828	0.01450	2.2790	0.10285	0.06000	22	1.01	2%	0
032.42	Potassium, ICP, Open vessel (%)	0187	2.3850	0.01000	2.2790	0.10285	0.06000	22	1.03	2%	0
032.42	Potassium, ICP, Open vessel (%)	0190	2.3850	0.15000	2.2790	0.10285	0.06000	22	1.03	2%	0
032.42	Potassium, ICP, Open vessel (%)	0037	2.3950	0.01000	2.2790	0.10285	0.06000	22	1.13	3%	0
032.42	Potassium, ICP, Open vessel (%)	0294	2.4650	0.03000	2.2790	0.10285	0.06000	22	1.81	4%	0
032.43	Potassium, ICP, Microwave (%)	0629	2.0800	0.02000	2.3017	0.08341	0.05673	19	-2.66	5%	0

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032.43	Potassium, ICP, Microwave (%)	0675	2.1900	0.02000	2.3017	0.08341	0.05673	19	-1.34	2%	0
032.43	Potassium, ICP, Microwave (%)	0098	2.2250	0.15000	2.3017	0.08341	0.05673	19	-0.92	2%	0
032.43	Potassium, ICP, Microwave (%)	0036	2.2257	0.09340	2.3017	0.08341	0.05673	19	-0.91	2%	0
032.43	Potassium, ICP, Microwave (%)	0033	2.2400	0.08000	2.3017	0.08341	0.05673	19	-0.74	1%	0
032.43	Potassium, ICP, Microwave (%)	0168	2.2600	0.11110	2.3017	0.08341	0.05673	19	-0.50	1%	0
032.43	Potassium, ICP, Microwave (%)	0861	2.2650	0.13000	2.3017	0.08341	0.05673	19	-0.44	1%	0
032.43	Potassium, ICP, Microwave (%)	0918	2.2875	0.01900	2.3017	0.08341	0.05673	19	-0.17	0%	0
032.43	Potassium, ICP, Microwave (%)	0010	2.2900	0.02000	2.3017	0.08341	0.05673	19	-0.14	0%	0
032.43	Potassium, ICP, Microwave (%)	0644	2.2972	0.16840	2.3017	0.08341	0.05673	19	-0.05	0%	0
032.43	Potassium, ICP, Microwave (%)	0968	2.3090	0.00200	2.3017	0.08341	0.05673	19	0.09	0%	0
032.43	Potassium, ICP, Microwave (%)	0508	2.3156	0.01000	2.3017	0.08341	0.05673	19	0.17	0%	0
032.43	Potassium, ICP, Microwave (%)	2058	2.3250	0.03000	2.3017	0.08341	0.05673	19	0.28	1%	0
032.43	Potassium, ICP, Microwave (%)	0510	2.3350	0.03000	2.3017	0.08341	0.05673	19	0.40	1%	0
032.43	Potassium, ICP, Microwave (%)	0668	2.3500	0.04000	2.3017	0.08341	0.05673	19	0.58	1%	0
032.43	Potassium, ICP, Microwave (%)	0027	2.3945	0.11900	2.3017	0.08341	0.05673	19	1.11	2%	0
032.43	Potassium, ICP, Microwave (%)	0028	2.4700	0.00000	2.3017	0.08341	0.05673	19	2.02	4%	0
032.43	Potassium, ICP, Microwave (%)	0353	2.6250	0.01000	2.3017	0.08341	0.05673	19	3.88	7%	0
032.43	Potassium, ICP, Microwave (%)	0345	2.6725	0.02500	2.3017	0.08341	0.05673	19	4.44	8%	0
032.44	Potassium, ICP, Dry ash (%)	2023	1.9700	0.20000			0.14500	2			0
032.44	Potassium, ICP, Dry ash (%)	2004	2.2350	0.09000			0.14500	2			0
032.52	Potassium, ICP-MS, Open vessel (%)	0154	2.3780	0.01710			0.01710	1			0
032.53	Potassium, ICP-MS, Microwave (%)	0553	2.2400	0.12000	2.3350	0.10037	0.09000	3			0
032.53	Potassium, ICP-MS, Microwave (%)	0668	2.3250	0.09000	2.3350	0.10037	0.09000	3			0
032.53	Potassium, ICP-MS, Microwave (%)	0572	2.4400	0.06000	2.3350	0.10037	0.09000	3			0
032.99	Potassium, Miscellaneous (%)	0889	1.7050	0.03000	2.1691	0.31338	0.09325	4	-1.48	11%	0
032.99	Potassium, Miscellaneous (%)	0100	2.2650	0.15000	2.1691	0.31338	0.09325	4	0.31	2%	0
032.99	Potassium, Miscellaneous (%)	0242	2.3200	0.00000	2.1691	0.31338	0.09325	4	0.48	3%	0
032.99	Potassium, Miscellaneous (%)	0001	2.3865	0.19300	2.1691	0.31338	0.09325	4	0.69	5%	0
033.00	Salt as chloride, Sol Cl (%)	2091	0.16500	0.01000	2.3338	0.11985	0.03468	16	-18.10	46%	0
033.00	Salt as chloride, Sol Cl (%)	0675	2.0950	0.01000	2.3338	0.11985	0.03468	16	-1.99	5%	0
033.00	Salt as chloride, Sol Cl (%)	0895	2.2450	0.01000	2.3338	0.11985	0.03468	16	-0.74	2%	0
033.00	Salt as chloride, Sol Cl (%)	0900	2.2550	0.03000	2.3338	0.11985	0.03468	16	-0.66	2%	0
033.00	Salt as chloride, Sol Cl (%)	0884	2.2800	0.14000	2.3338	0.11985	0.03468	16	-0.45	1%	0
033.00	Salt as chloride, Sol Cl (%)	0903	2.2850	0.01000	2.3338	0.11985	0.03468	16	-0.41	1%	0
033.00	Salt as chloride, Sol Cl (%)	0893	2.2900	0.00000	2.3338	0.11985	0.03468	16	-0.37	1%	0
033.00	Salt as chloride, Sol Cl (%)	0539	2.3150	0.03000	2.3338	0.11985	0.03468	16	-0.16	0%	0
033.00	Salt as chloride, Sol Cl (%)	0897	2.3150	0.01000	2.3338	0.11985	0.03468	16	-0.16	0%	0
033.00	Salt as chloride, Sol Cl (%)	0169	2.3550	0.01000	2.3338	0.11985	0.03468	16	0.18	0%	0
033.00	Salt as chloride, Sol Cl (%)	0309	2.3850	0.07820	2.3338	0.11985	0.03468	16	0.43	1%	0
033.00	Salt as chloride, Sol Cl (%)	0934	2.4150	0.01000	2.3338	0.11985	0.03468	16	0.68	2%	0
033.00	Salt as chloride, Sol Cl (%)	0353	2.4900	0.04000	2.3338	0.11985	0.03468	16	1.30	3%	0
033.00	Salt as chloride, Sol Cl (%)	0674	2.5200	0.00000	2.3338	0.11985	0.03468	16	1.55	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	Robust SD	R-bar	# Labs			
033.00	Salt as chloride, Sol Cl (%)	0885	2.5693	0.00150	2.3338	0.11985	0.03468	16	1.96	5%	0
033.00	Salt as chloride, Sol Cl (%)	0693	2.6491	0.16510	2.3338	0.11985	0.03468	16	2.63	7%	0
033.00	Salt as chloride, Sol Cl (%)	0366	2.5450	0.27000	2.3338	0.11985	0.03468	16	1.76	5%	1
033.01	Salt as chloride, Poten Cl (%)	0229	2.3800	0.02000	2.4218	0.03110	0.02447	21	-1.34	1%	0
033.01	Salt as chloride, Poten Cl (%)	0407	2.3820	0.00200	2.4218	0.03110	0.02447	21	-1.28	1%	0
033.01	Salt as chloride, Poten Cl (%)	0004	2.3850	0.01000	2.4218	0.03110	0.02447	21	-1.18	1%	0
033.01	Salt as chloride, Poten Cl (%)	0510	2.3850	0.05000	2.4218	0.03110	0.02447	21	-1.18	1%	0
033.01	Salt as chloride, Poten Cl (%)	0178	2.4025	0.00300	2.4218	0.03110	0.02447	21	-0.62	0%	0
033.01	Salt as chloride, Poten Cl (%)	0242	2.4050	0.01000	2.4218	0.03110	0.02447	21	-0.54	0%	0
033.01	Salt as chloride, Poten Cl (%)	0861	2.4050	0.01000	2.4218	0.03110	0.02447	21	-0.54	0%	0
033.01	Salt as chloride, Poten Cl (%)	0083	2.4100	0.00000	2.4218	0.03110	0.02447	21	-0.38	0%	0
033.01	Salt as chloride, Poten Cl (%)	0650	2.4100	0.02000	2.4218	0.03110	0.02447	21	-0.38	0%	0
033.01	Salt as chloride, Poten Cl (%)	0098	2.4150	0.03000	2.4218	0.03110	0.02447	21	-0.22	0%	0
033.01	Salt as chloride, Poten Cl (%)	0354	2.4150	0.05000	2.4218	0.03110	0.02447	21	-0.22	0%	0
033.01	Salt as chloride, Poten Cl (%)	0596	2.4250	0.07000	2.4218	0.03110	0.02447	21	0.10	0%	0
033.01	Salt as chloride, Poten Cl (%)	2023	2.4300	0.00000	2.4218	0.03110	0.02447	21	0.26	0%	0
033.01	Salt as chloride, Poten Cl (%)	0100	2.4350	0.05000	2.4218	0.03110	0.02447	21	0.42	0%	0
033.01	Salt as chloride, Poten Cl (%)	0948	2.4350	0.01000	2.4218	0.03110	0.02447	21	0.42	0%	0
033.01	Salt as chloride, Poten Cl (%)	0164	2.4500	0.04000	2.4218	0.03110	0.02447	21	0.91	1%	0
033.01	Salt as chloride, Poten Cl (%)	0205	2.4500	0.06000	2.4218	0.03110	0.02447	21	0.91	1%	0
033.01	Salt as chloride, Poten Cl (%)	0019	2.4750	0.01000	2.4218	0.03110	0.02447	21	1.71	1%	0
033.01	Salt as chloride, Poten Cl (%)	0413	2.5300	0.02000	2.4218	0.03110	0.02447	21	3.48	2%	0
033.01	Salt as chloride, Poten Cl (%)	0278	2.5850	0.03000	2.4218	0.03110	0.02447	21	5.25	3%	0
033.01	Salt as chloride, Poten Cl (%)	0874	2.7345	0.01880	2.4218	0.03110	0.02447	21	10.05	6%	0
033.03	Salt as chloride, Quantab (%)	0265	2.1300	0.00000	2.1300		0.00333	3			0
033.03	Salt as chloride, Quantab (%)	0505	2.1350	0.01000	2.1300		0.00333	3			0
033.03	Salt as chloride, Quantab (%)	0144	2.4800	0.00000	2.1300		0.00333	3			0
033.05	Salt as chloride, Ion Sel Electrode (%)	0171	2.4250	0.07000			0.03500	2			0
033.05	Salt as chloride, Ion Sel Electrode (%)	0689	2.4400	0.00000			0.03500	2			0
033.99	Salt, Miscellaneous (%)	0358	1.0200	0.00000	2.1895	0.17216	0.04500	6	-6.79	27%	0
033.99	Salt, Miscellaneous (%)	0681	2.0750	0.01000	2.1895	0.17216	0.04500	6	-0.67	3%	0
033.99	Salt, Miscellaneous (%)	0613	2.1750	0.13000	2.1895	0.17216	0.04500	6	-0.08	0%	0
033.99	Salt, Miscellaneous (%)	0619	2.2500	0.08000	2.1895	0.17216	0.04500	6	0.35	1%	0
033.99	Salt, Miscellaneous (%)	2073	2.3000	0.00000	2.1895	0.17216	0.04500	6	0.64	3%	0
033.99	Salt, Miscellaneous (%)	0552	2.3750	0.05000	2.1895	0.17216	0.04500	6	1.08	4%	0
034.01	Selenium, Fluor (mg / kg (ppm))	0638	3.7050	0.11000	3.9440	0.22319	0.09200	3			0
034.01	Selenium, Fluor (mg / kg (ppm))	0098	3.9800	0.12000	3.9440	0.22319	0.09200	3			0
034.01	Selenium, Fluor (mg / kg (ppm))	0038	4.1470	0.04600	3.9440	0.22319	0.09200	3			0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0563	3.1800	0.06000	3.9450	0.26636	0.11000	6	-2.87	10%	0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0939	3.7600	0.16000	3.9450	0.26636	0.11000	6	-0.69	2%	0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0169	3.9150	0.11000	3.9450	0.26636	0.11000	6	-0.11	0%	0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0171	4.0100	0.22000	3.9450	0.26636	0.11000	6	0.24	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	Robust SD	R-bar	# Labs			
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0164	4.0600	0.08000	3.9450	0.26636	0.11000	6	0.43	1%	0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0610	4.3350	0.03000	3.9450	0.26636	0.11000	6	1.46	5%	0
034.41	Selenium, ICP, Dry ash (mg / kg (ppm))	0619	3.7000	0.10000			0.10000	1			0
034.42	Selenium, ICP, Open vessel (mg / kg (ppm))	0512	4.3410	0.95600			0.67800	2			0
034.42	Selenium, ICP, Open vessel (mg / kg (ppm))	0692	4.6000	0.40000			0.67800	2			0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	0675	3.5100	0.02000			0.02000	1			0
034.52	Selenium, ICP-MS, Open vessel (mg / kg (ppm))	0047	3.9900	0.36000	4.1225	0.09979	0.16500	4	-1.33	2%	0
034.52	Selenium, ICP-MS, Open vessel (mg / kg (ppm))	0910	4.1200	0.12000	4.1225	0.09979	0.16500	4	-0.03	0%	0
034.52	Selenium, ICP-MS, Open vessel (mg / kg (ppm))	0555	4.1500	0.10000	4.1225	0.09979	0.16500	4	0.28	0%	0
034.52	Selenium, ICP-MS, Open vessel (mg / kg (ppm))	0208	4.2300	0.08000	4.1225	0.09979	0.16500	4	1.08	1%	0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0033	3.8700	0.26000	4.7003	0.72601	0.27562	6	-1.14	9%	0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	2055	4.1550	0.11000	4.7003	0.72601	0.27562	6	-0.75	6%	0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0553	4.4000	0.54000	4.7003	0.72601	0.27562	6	-0.41	3%	0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0918	5.1325	0.06470	4.7003	0.72601	0.27562	6	0.60	5%	0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0098	5.2445	0.27900	4.7003	0.72601	0.27562	6	0.75	6%	0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	2023	5.4000	0.40000	4.7003	0.72601	0.27562	6	0.96	7%	0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0168	3.3271	3.9985	4.7003	0.72601	0.27562	6	-1.89	15%	1
034.99	Selenium, Miscellaneous (mg / kg (ppm))	0190	0.96500	0.33000	3.3500	1.7400	0.18500	4	-1.37	36%	0
034.99	Selenium, Miscellaneous (mg / kg (ppm))	0148	3.5050	0.15000	3.3500	1.7400	0.18500	4	0.09	2%	0
034.99	Selenium, Miscellaneous (mg / kg (ppm))	0555	3.8000	0.00000	3.3500	1.7400	0.18500	4	0.26	7%	0
034.99	Selenium, Miscellaneous (mg / kg (ppm))	0045	5.1300	0.26000	3.3500	1.7400	0.18500	4	1.02	27%	0
035.01	Sodium, Ion-selective electrode (%)	0138	0.40150	0.00500			0.00500	2			0
035.01	Sodium, Ion-selective electrode (%)	2006	0.40650	0.00500			0.00500	2			0
035.05	Sodium, Flame Emission (%)	0108	0.42500	0.03000	0.45000	0.02291	0.02000	3			0
035.05	Sodium, Flame Emission (%)	0152	0.45500	0.03000	0.45000	0.02291	0.02000	3			0
035.05	Sodium, Flame Emission (%)	0590	0.47000	0.00000	0.45000	0.02291	0.02000	3			0
035.31	Sodium, AAS, Dry ash (%)	0689	0.31000	0.00000	0.40919	0.03152	0.01346	19	-3.15	12%	0
035.31	Sodium, AAS, Dry ash (%)	0596	0.37000	0.02000	0.40919	0.03152	0.01346	19	-1.24	5%	0
035.31	Sodium, AAS, Dry ash (%)	0142	0.37345	0.00390	0.40919	0.03152	0.01346	19	-1.13	4%	0
035.31	Sodium, AAS, Dry ash (%)	2022	0.37850	0.00900	0.40919	0.03152	0.01346	19	-0.97	4%	0
035.31	Sodium, AAS, Dry ash (%)	0563	0.39365	0.00230	0.40919	0.03152	0.01346	19	-0.49	2%	0
035.31	Sodium, AAS, Dry ash (%)	0868	0.39400	0.00600	0.40919	0.03152	0.01346	19	-0.48	2%	0
035.31	Sodium, AAS, Dry ash (%)	0175	0.39500	0.01000	0.40919	0.03152	0.01346	19	-0.45	2%	0
035.31	Sodium, AAS, Dry ash (%)	0650	0.39500	0.03000	0.40919	0.03152	0.01346	19	-0.45	2%	0
035.31	Sodium, AAS, Dry ash (%)	0536	0.40000	0.04000	0.40919	0.03152	0.01346	19	-0.29	1%	0
035.31	Sodium, AAS, Dry ash (%)	0629	0.40750	0.00500	0.40919	0.03152	0.01346	19	-0.05	0%	0
035.31	Sodium, AAS, Dry ash (%)	0939	0.41000	0.02000	0.40919	0.03152	0.01346	19	0.03	0%	0
035.31	Sodium, AAS, Dry ash (%)	0208	0.41700	0.01000	0.40919	0.03152	0.01346	19	0.25	1%	0
035.31	Sodium, AAS, Dry ash (%)	0038	0.42200	0.00200	0.40919	0.03152	0.01346	19	0.41	2%	0
035.31	Sodium, AAS, Dry ash (%)	0723	0.42620	0.00000	0.40919	0.03152	0.01346	19	0.54	2%	0
035.31	Sodium, AAS, Dry ash (%)	0354	0.43000	0.00000	0.40919	0.03152	0.01346	19	0.66	3%	0
035.31	Sodium, AAS, Dry ash (%)	0948	0.45000	0.02000	0.40919	0.03152	0.01346	19	1.29	5%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
035.31	Sodium, AAS, Dry ash (%)	0178	0.45200	0.00400	0.40919	0.03152	0.01346	19	1.36	5%	0
035.31	Sodium, AAS, Dry ash (%)	0921	0.46000	0.04400	0.40919	0.03152	0.01346	19	1.61	6%	0
035.31	Sodium, AAS, Dry ash (%)	0874	0.49010	0.02960	0.40919	0.03152	0.01346	19	2.57	10%	0
035.32	Sodium, AAS, Open vessel (%)	0035	0.33645	0.01990	0.38161	0.04843	0.00823	4	-0.93	6%	0
035.32	Sodium, AAS, Open vessel (%)	0609	0.34500	0.01000	0.38161	0.04843	0.00823	4	-0.76	5%	0
035.32	Sodium, AAS, Open vessel (%)	0169	0.41000	0.00000	0.38161	0.04843	0.00823	4	0.59	4%	0
035.32	Sodium, AAS, Open vessel (%)	0263	0.43500	0.00300	0.38161	0.04843	0.00823	4	1.10	7%	0
035.41	Sodium, ICP, Dry ash (%)	0520	0.28505	0.00710	0.40986	0.02465	0.01274	27	-5.06	15%	0
035.41	Sodium, ICP, Dry ash (%)	0144	0.37500	0.01000	0.40986	0.02465	0.01274	27	-1.41	4%	0
035.41	Sodium, ICP, Dry ash (%)	2023	0.38300	0.04400	0.40986	0.02465	0.01274	27	-1.09	3%	0
035.41	Sodium, ICP, Dry ash (%)	2012	0.38500	0.01000	0.40986	0.02465	0.01274	27	-1.01	3%	0
035.41	Sodium, ICP, Dry ash (%)	0619	0.38600	0.01000	0.40986	0.02465	0.01274	27	-0.97	3%	0
035.41	Sodium, ICP, Dry ash (%)	0098	0.39000	0.02000	0.40986	0.02465	0.01274	27	-0.81	2%	0
035.41	Sodium, ICP, Dry ash (%)	2004	0.39300	0.02400	0.40986	0.02465	0.01274	27	-0.68	2%	0
035.41	Sodium, ICP, Dry ash (%)	0011	0.39460	0.00940	0.40986	0.02465	0.01274	27	-0.62	2%	0
035.41	Sodium, ICP, Dry ash (%)	0123	0.39500	0.01000	0.40986	0.02465	0.01274	27	-0.60	2%	0
035.41	Sodium, ICP, Dry ash (%)	0358	0.40000	0.00000	0.40986	0.02465	0.01274	27	-0.40	1%	0
035.41	Sodium, ICP, Dry ash (%)	0413	0.40000	0.00000	0.40986	0.02465	0.01274	27	-0.40	1%	0
035.41	Sodium, ICP, Dry ash (%)	0407	0.40460	0.00980	0.40986	0.02465	0.01274	27	-0.21	1%	0
035.41	Sodium, ICP, Dry ash (%)	0083	0.40500	0.01000	0.40986	0.02465	0.01274	27	-0.20	1%	0
035.41	Sodium, ICP, Dry ash (%)	0720	0.40500	0.01000	0.40986	0.02465	0.01274	27	-0.20	1%	0
035.41	Sodium, ICP, Dry ash (%)	0148	0.41150	0.00100	0.40986	0.02465	0.01274	27	0.07	0%	0
035.41	Sodium, ICP, Dry ash (%)	0164	0.41300	0.00200	0.40986	0.02465	0.01274	27	0.13	0%	0
035.41	Sodium, ICP, Dry ash (%)	0598	0.41540	0.00980	0.40986	0.02465	0.01274	27	0.22	1%	0
035.41	Sodium, ICP, Dry ash (%)	0229	0.42350	0.03100	0.40986	0.02465	0.01274	27	0.55	2%	0
035.41	Sodium, ICP, Dry ash (%)	0300	0.42350	0.00500	0.40986	0.02465	0.01274	27	0.55	2%	0
035.41	Sodium, ICP, Dry ash (%)	0049	0.42500	0.03000	0.40986	0.02465	0.01274	27	0.61	2%	0
035.41	Sodium, ICP, Dry ash (%)	2089	0.43000	0.00000	0.40986	0.02465	0.01274	27	0.82	2%	0
035.41	Sodium, ICP, Dry ash (%)	0051	0.43290	0.01500	0.40986	0.02465	0.01274	27	0.93	3%	0
035.41	Sodium, ICP, Dry ash (%)	0208	0.43450	0.00100	0.40986	0.02465	0.01274	27	1.00	3%	0
035.41	Sodium, ICP, Dry ash (%)	0171	0.43500	0.01000	0.40986	0.02465	0.01274	27	1.02	3%	0
035.41	Sodium, ICP, Dry ash (%)	0695	0.44050	0.01100	0.40986	0.02465	0.01274	27	1.24	4%	0
035.41	Sodium, ICP, Dry ash (%)	0003	0.45500	0.05000	0.40986	0.02465	0.01274	27	1.83	6%	0
035.41	Sodium, ICP, Dry ash (%)	0226	0.53100	0.00400	0.40986	0.02465	0.01274	27	4.91	15%	0
035.42	Sodium, ICP, Open vessel (%)	0366	0.37000	0.04000	0.41084	0.01836	0.01171	15	-2.22	5%	0
035.42	Sodium, ICP, Open vessel (%)	0035	0.37405	0.02050	0.41084	0.01836	0.01171	15	-2.00	4%	0
035.42	Sodium, ICP, Open vessel (%)	0278	0.39500	0.01000	0.41084	0.01836	0.01171	15	-0.86	2%	0
035.42	Sodium, ICP, Open vessel (%)	0045	0.39800	0.02200	0.41084	0.01836	0.01171	15	-0.70	2%	0
035.42	Sodium, ICP, Open vessel (%)	0613	0.40000	0.02000	0.41084	0.01836	0.01171	15	-0.59	1%	0
035.42	Sodium, ICP, Open vessel (%)	0042	0.40900	0.00200	0.41084	0.01836	0.01171	15	-0.10	0%	0
035.42	Sodium, ICP, Open vessel (%)	0202	0.41000	0.00000	0.41084	0.01836	0.01171	15	-0.05	0%	0
035.42	Sodium, ICP, Open vessel (%)	0693	0.41445	0.00050	0.41084	0.01836	0.01171	15	0.20	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	Robust SD	R-bar	# Labs			
035.42	Sodium, ICP, Open vessel (%)	0692	0.41500	0.01000	0.41084	0.01836	0.01171	15	0.23	1%	0
035.42	Sodium, ICP, Open vessel (%)	0205	0.41650	0.00500	0.41084	0.01836	0.01171	15	0.31	1%	0
035.42	Sodium, ICP, Open vessel (%)	0555	0.41860	0.01220	0.41084	0.01836	0.01171	15	0.42	1%	0
035.42	Sodium, ICP, Open vessel (%)	0265	0.42500	0.01000	0.41084	0.01836	0.01171	15	0.77	2%	0
035.42	Sodium, ICP, Open vessel (%)	0187	0.43000	0.00000	0.41084	0.01836	0.01171	15	1.04	2%	0
035.42	Sodium, ICP, Open vessel (%)	0294	0.43000	0.02000	0.41084	0.01836	0.01171	15	1.04	2%	0
035.42	Sodium, ICP, Open vessel (%)	0560	0.43445	0.00350	0.41084	0.01836	0.01171	15	1.29	3%	0
035.43	Sodium, ICP, Microwave (%)	0353	0.24500	0.01000	0.40139	0.02519	0.00690	12	-6.21	19%	0
035.43	Sodium, ICP, Microwave (%)	0644	0.31495	0.00310	0.40139	0.02519	0.00690	12	-3.43	11%	0
035.43	Sodium, ICP, Microwave (%)	0098	0.38500	0.01000	0.40139	0.02519	0.00690	12	-0.65	2%	0
035.43	Sodium, ICP, Microwave (%)	0861	0.38950	0.01300	0.40139	0.02519	0.00690	12	-0.47	1%	0
035.43	Sodium, ICP, Microwave (%)	0508	0.39095	0.01370	0.40139	0.02519	0.00690	12	-0.41	1%	0
035.43	Sodium, ICP, Microwave (%)	0510	0.40150	0.00300	0.40139	0.02519	0.00690	12	0.00	0%	0
035.43	Sodium, ICP, Microwave (%)	0918	0.40400	0.00400	0.40139	0.02519	0.00690	12	0.10	0%	0
035.43	Sodium, ICP, Microwave (%)	0675	0.40500	0.01000	0.40139	0.02519	0.00690	12	0.14	0%	0
035.43	Sodium, ICP, Microwave (%)	0345	0.41450	0.00300	0.40139	0.02519	0.00690	12	0.52	2%	0
035.43	Sodium, ICP, Microwave (%)	2058	0.42500	0.01000	0.40139	0.02519	0.00690	12	0.94	3%	0
035.43	Sodium, ICP, Microwave (%)	0668	0.42750	0.00300	0.40139	0.02519	0.00690	12	1.04	3%	0
035.43	Sodium, ICP, Microwave (%)	0629	0.44000	0.00000	0.40139	0.02519	0.00690	12	1.53	5%	0
035.43	Sodium, ICP, Microwave (%)	0168	0.33060	0.14860	0.40139	0.02519	0.00690	12	-2.81	9%	1
035.52	Sodium, ICP-MS, Open vessel (%)	0154	0.41600	0.01300			0.01300	1			0
035.53	Sodium, ICP-MS, Microwave (%)	0668	0.40200	0.01200	0.43433	0.04443	0.02267	3			0
035.53	Sodium, ICP-MS, Microwave (%)	0572	0.41600	0.01400	0.43433	0.04443	0.02267	3			0
035.53	Sodium, ICP-MS, Microwave (%)	0553	0.48500	0.04200	0.43433	0.04443	0.02267	3			0
035.99	Sodium, Miscellaneous (%)	0242	0.41500	0.01000	0.70625	0.38069	0.02250	4	-0.77	21%	0
035.99	Sodium, Miscellaneous (%)	0100	0.42000	0.04000	0.70625	0.38069	0.02250	4	-0.75	20%	0
035.99	Sodium, Miscellaneous (%)	0940	0.77000	0.02000	0.70625	0.38069	0.02250	4	0.17	5%	0
035.99	Sodium, Miscellaneous (%)	0889	1.2200	0.02000	0.70625	0.38069	0.02250	4	1.35	36%	0
036.04	Sulfur, LECO (%)	0001	0.54300	0.00200	0.56196	0.01827	0.00628	4	-1.04	2%	0
036.04	Sulfur, LECO (%)	0168	0.54985	0.01310	0.56196	0.01827	0.00628	4	-0.66	1%	0
036.04	Sulfur, LECO (%)	0229	0.57500	0.01000	0.56196	0.01827	0.00628	4	0.71	1%	0
036.04	Sulfur, LECO (%)	0098	0.58000	0.00000	0.56196	0.01827	0.00628	4	0.99	2%	0
036.42	Sulfur, ICP, Open vessel (%)	0265	0.53000	0.02000	0.56817	0.02926	0.01670	21	-1.30	3%	0
036.42	Sulfur, ICP, Open vessel (%)	0613	0.53000	0.06000	0.56817	0.02926	0.01670	21	-1.30	3%	0
036.42	Sulfur, ICP, Open vessel (%)	0692	0.53000	0.02000	0.56817	0.02926	0.01670	21	-1.30	3%	0
036.42	Sulfur, ICP, Open vessel (%)	0619	0.54250	0.00100	0.56817	0.02926	0.01670	21	-0.88	2%	0
036.42	Sulfur, ICP, Open vessel (%)	0366	0.54500	0.05000	0.56817	0.02926	0.01670	21	-0.79	2%	0
036.42	Sulfur, ICP, Open vessel (%)	0164	0.55000	0.02000	0.56817	0.02926	0.01670	21	-0.62	2%	0
036.42	Sulfur, ICP, Open vessel (%)	0357	0.55000	0.00000	0.56817	0.02926	0.01670	21	-0.62	2%	0
036.42	Sulfur, ICP, Open vessel (%)	0693	0.56245	0.00770	0.56817	0.02926	0.01670	21	-0.20	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0045	0.56350	0.03500	0.56817	0.02926	0.01670	21	-0.16	0%	0
036.42	Sulfur, ICP, Open vessel (%)	0407	0.56435	0.02750	0.56817	0.02926	0.01670	21	-0.13	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	Robust SD	R-bar	# Labs			
036.42	Sulfur, ICP, Open vessel (%)	0202	0.56500	0.01000	0.56817	0.02926	0.01670	21	-0.11	0%	0
036.42	Sulfur, ICP, Open vessel (%)	2089	0.56500	0.01000	0.56817	0.02926	0.01670	21	-0.11	0%	0
036.42	Sulfur, ICP, Open vessel (%)	0708	0.56700	0.01400	0.56817	0.02926	0.01670	21	-0.04	0%	0
036.42	Sulfur, ICP, Open vessel (%)	0555	0.57590	0.01980	0.56817	0.02926	0.01670	21	0.26	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0278	0.58500	0.01000	0.56817	0.02926	0.01670	21	0.58	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0726	0.59330	0.00020	0.56817	0.02926	0.01670	21	0.86	2%	0
036.42	Sulfur, ICP, Open vessel (%)	0294	0.59500	0.01000	0.56817	0.02926	0.01670	21	0.92	2%	0
036.42	Sulfur, ICP, Open vessel (%)	0190	0.60000	0.02000	0.56817	0.02926	0.01670	21	1.09	3%	0
036.42	Sulfur, ICP, Open vessel (%)	0187	0.60365	0.00050	0.56817	0.02926	0.01670	21	1.21	3%	0
036.42	Sulfur, ICP, Open vessel (%)	0171	0.60450	0.00500	0.56817	0.02926	0.01670	21	1.24	3%	0
036.42	Sulfur, ICP, Open vessel (%)	0037	0.61500	0.01000	0.56817	0.02926	0.01670	21	1.60	4%	0
036.42	Sulfur, ICP, Open vessel (%)	0560	3,060.8	6,120.4	0.56817	0.02926	0.01670	21	104604.47	269305%	2
036.43	Sulfur, ICP, Microwave (%)	0629	0.55800	0.00000	0.59668	0.03797	0.00948	8	-1.02	3%	0
036.43	Sulfur, ICP, Microwave (%)	0508	0.55820	0.01260	0.59668	0.03797	0.00948	8	-1.01	3%	0
036.43	Sulfur, ICP, Microwave (%)	0345	0.57500	0.00600	0.59668	0.03797	0.00948	8	-0.57	2%	0
036.43	Sulfur, ICP, Microwave (%)	0918	0.58450	0.00500	0.59668	0.03797	0.00948	8	-0.32	1%	0
036.43	Sulfur, ICP, Microwave (%)	0098	0.60770	0.01220	0.59668	0.03797	0.00948	8	0.29	1%	0
036.43	Sulfur, ICP, Microwave (%)	0169	0.61000	0.02000	0.59668	0.03797	0.00948	8	0.35	1%	0
036.43	Sulfur, ICP, Microwave (%)	0510	0.63000	0.02000	0.59668	0.03797	0.00948	8	0.88	3%	0
036.43	Sulfur, ICP, Microwave (%)	0353	0.65000	0.00000	0.59668	0.03797	0.00948	8	1.40	4%	0
036.53	Sulfur, ICP-MS, Microwave (%)	0553	0.58500	0.07600			0.07600	1			0
036.99	Sulfur, Miscellaneous (%)	0889	0.41000	0.00000			0.00000	2			0
036.99	Sulfur, Miscellaneous (%)	0242	0.59000	0.00000			0.00000	2			0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0946	980.46	16.800	1,308.5	58.567	21.881	23	-5.60	13%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0175	1,200.0	0.00000	1,308.5	58.567	21.881	23	-1.85	4%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0868	1,226.5	13.000	1,308.5	58.567	21.881	23	-1.40	3%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0529	1,240.1	62.500	1,308.5	58.567	21.881	23	-1.17	3%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	2022	1,261.0	30.000	1,308.5	58.567	21.881	23	-0.81	2%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0208	1,285.0	30.000	1,308.5	58.567	21.881	23	-0.40	1%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0629	1,287.5	25.000	1,308.5	58.567	21.881	23	-0.36	1%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0939	1,290.0	16.000	1,308.5	58.567	21.881	23	-0.32	1%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0178	1,296.1	24.400	1,308.5	58.567	21.881	23	-0.21	0%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0536	1,300.0	0.00000	1,308.5	58.567	21.881	23	-0.15	0%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0596	1,303.8	12.000	1,308.5	58.567	21.881	23	-0.08	0%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0014	1,308.0	44.000	1,308.5	58.567	21.881	23	-0.01	0%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0001	1,309.0	10.000	1,308.5	58.567	21.881	23	0.01	0%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0505	1,310.5	21.000	1,308.5	58.567	21.881	23	0.03	0%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0723	1,315.0	0.00000	1,308.5	58.567	21.881	23	0.11	0%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	2067	1,328.4	12.248	1,308.5	58.567	21.881	23	0.34	1%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0674	1,345.7	0.00000	1,308.5	58.567	21.881	23	0.63	1%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0689	1,352.0	26.000	1,308.5	58.567	21.881	23	0.74	2%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0066	1,355.5	43.000	1,308.5	58.567	21.881	23	0.80	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	Robust SD	R-bar	# Labs			
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0590	1,358.5	5.0000	1,308.5	58.567	21.881	23	0.85	2%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0874	1,398.0	20.000	1,308.5	58.567	21.881	23	1.53	3%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0563	1,412.4	81.193	1,308.5	58.567	21.881	23	1.77	4%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0354	1,463.1	11.130	1,308.5	58.567	21.881	23	2.64	6%	0
037.32	Zinc, AAS, Open vessel (mg / kg (ppm))	0609	984.00	0.00000	1,256.6	173.16	27.258	5	-1.57	11%	0
037.32	Zinc, AAS, Open vessel (mg / kg (ppm))	0035	1,204.0	48.000	1,256.6	173.16	27.258	5	-0.30	2%	0
037.32	Zinc, AAS, Open vessel (mg / kg (ppm))	0504	1,307.5	5.0000	1,256.6	173.16	27.258	5	0.29	2%	0
037.32	Zinc, AAS, Open vessel (mg / kg (ppm))	0263	1,357.6	3.2900	1,256.6	173.16	27.258	5	0.58	4%	0
037.32	Zinc, AAS, Open vessel (mg / kg (ppm))	0038	1,430.0	80.000	1,256.6	173.16	27.258	5	1.00	7%	0
037.33	Zinc, AAS, Microwave (mg / kg (ppm))	0948	1,167.4	15.000	1,288.7	89.699	19.000	4	-1.35	5%	0
037.33	Zinc, AAS, Microwave (mg / kg (ppm))	0010	1,300.0	0.00000	1,288.7	89.699	19.000	4	0.13	0%	0
037.33	Zinc, AAS, Microwave (mg / kg (ppm))	0504	1,303.5	31.000	1,288.7	89.699	19.000	4	0.16	1%	0
037.33	Zinc, AAS, Microwave (mg / kg (ppm))	0034	1,384.0	30.000	1,288.7	89.699	19.000	4	1.06	4%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0171	666.50	7.0000	1,308.3	76.717	36.492	29	-8.37	25%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0520	925.53	45.100	1,308.3	76.717	36.492	29	-4.99	15%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0619	1,136.5	3.0000	1,308.3	76.717	36.492	29	-2.24	7%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0610	1,224.5	15.000	1,308.3	76.717	36.492	29	-1.09	3%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0148	1,234.7	7.2000	1,308.3	76.717	36.492	29	-0.96	3%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0511	1,237.0	6.0000	1,308.3	76.717	36.492	29	-0.93	3%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0003	1,241.0	72.000	1,308.3	76.717	36.492	29	-0.88	3%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0226	1,249.5	3.0000	1,308.3	76.717	36.492	29	-0.77	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0004	1,261.5	129.00	1,308.3	76.717	36.492	29	-0.61	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0049	1,266.0	16.500	1,308.3	76.717	36.492	29	-0.55	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0358	1,269.2	54.100	1,308.3	76.717	36.492	29	-0.51	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	2012	1,282.5	29.830	1,308.3	76.717	36.492	29	-0.34	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0407	1,307.9	1.0400	1,308.3	76.717	36.492	29	-0.01	0%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0848	1,307.9	1.6300	1,308.3	76.717	36.492	29	0.00	0%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0300	1,315.9	40.367	1,308.3	76.717	36.492	29	0.10	0%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0164	1,320.0	40.000	1,308.3	76.717	36.492	29	0.15	0%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0051	1,325.0	17.470	1,308.3	76.717	36.492	29	0.22	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0229	1,333.1	38.660	1,308.3	76.717	36.492	29	0.32	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0019	1,335.0	40.000	1,308.3	76.717	36.492	29	0.35	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0208	1,340.0	52.000	1,308.3	76.717	36.492	29	0.41	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0098	1,347.5	37.000	1,308.3	76.717	36.492	29	0.51	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0720	1,358.0	7.1370	1,308.3	76.717	36.492	29	0.65	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0512	1,360.0	30.000	1,308.3	76.717	36.492	29	0.67	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0011	1,365.5	7.1400	1,308.3	76.717	36.492	29	0.75	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0695	1,383.9	21.452	1,308.3	76.717	36.492	29	0.99	3%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	2089	1,404.5	138.65	1,308.3	76.717	36.492	29	1.25	4%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0598	1,409.0	14.000	1,308.3	76.717	36.492	29	1.31	4%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0910	1,530.5	171.00	1,308.3	76.717	36.492	29	2.90	8%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0083	1,534.5	13.000	1,308.3	76.717	36.492	29	2.95	9%	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	Robust SD	R-bar	# Labs			
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0074	1,329.5	193.00	1,308.3	76.717	36.492	29	0.28	1%	1
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0278	1,204.0	28.000	1,322.9	79.153	29.400	21	-1.50	4%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0009	1,215.4	13.240	1,322.9	79.153	29.400	21	-1.36	4%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0202	1,218.5	23.050	1,322.9	79.153	29.400	21	-1.32	4%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0357	1,242.0	8.0000	1,322.9	79.153	29.400	21	-1.02	3%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0366	1,270.0	80.000	1,322.9	79.153	29.400	21	-0.67	2%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0294	1,278.2	3.5400	1,322.9	79.153	29.400	21	-0.56	2%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0413	1,290.0	20.000	1,322.9	79.153	29.400	21	-0.42	1%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0037	1,291.5	5.0000	1,322.9	79.153	29.400	21	-0.40	1%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0035	1,297.5	69.000	1,322.9	79.153	29.400	21	-0.32	1%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0693	1,306.7	31.423	1,322.9	79.153	29.400	21	-0.20	1%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0265	1,321.0	14.000	1,322.9	79.153	29.400	21	-0.02	0%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0042	1,326.5	27.000	1,322.9	79.153	29.400	21	0.05	0%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0555	1,350.0	14.000	1,322.9	79.153	29.400	21	0.34	1%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0560	1,350.0	8.0000	1,322.9	79.153	29.400	21	0.34	1%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0045	1,360.0	20.000	1,322.9	79.153	29.400	21	0.47	1%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0187	1,367.9	1.1500	1,322.9	79.153	29.400	21	0.57	2%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	2051	1,376.5	101.00	1,322.9	79.153	29.400	21	0.68	2%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0190	1,437.0	42.000	1,322.9	79.153	29.400	21	1.44	4%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0726	1,475.5	7.0000	1,322.9	79.153	29.400	21	1.93	6%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0613	1,503.5	3.0000	1,322.9	79.153	29.400	21	2.28	7%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0692	1,507.5	99.000	1,322.9	79.153	29.400	21	2.33	7%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0026	0.11500	0.01000	1,322.9	79.153	29.400	21	-16.71	50%	2
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0968	1,149.5	9.0000	1,307.0	68.728	38.842	19	-2.29	6%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0675	1,211.4	9.2100	1,307.0	68.728	38.842	19	-1.39	4%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2058	1,241.1	7.8300	1,307.0	68.728	38.842	19	-0.96	3%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0508	1,250.0	80.000	1,307.0	68.728	38.842	19	-0.83	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0168	1,263.4	54.800	1,307.0	68.728	38.842	19	-0.63	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0510	1,265.0	10.000	1,307.0	68.728	38.842	19	-0.61	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0353	1,265.5	141.00	1,307.0	68.728	38.842	19	-0.60	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0169	1,290.0	40.000	1,307.0	68.728	38.842	19	-0.25	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0345	1,291.0	2.0000	1,307.0	68.728	38.842	19	-0.23	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2023	1,300.0	20.000	1,307.0	68.728	38.842	19	-0.10	0%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0861	1,315.0	10.000	1,307.0	68.728	38.842	19	0.12	0%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0918	1,324.4	8.6100	1,307.0	68.728	38.842	19	0.25	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0629	1,330.0	60.000	1,307.0	68.728	38.842	19	0.33	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0668	1,340.0	0.00000	1,307.0	68.728	38.842	19	0.48	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0098	1,380.0	64.000	1,307.0	68.728	38.842	19	1.06	3%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0504	1,393.8	44.000	1,307.0	68.728	38.842	19	1.26	3%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0644	1,394.1	62.760	1,307.0	68.728	38.842	19	1.27	3%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0027	1,461.1	68.790	1,307.0	68.728	38.842	19	2.24	6%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0028	1,509.0	46.000	1,307.0	68.728	38.842	19	2.94	8%	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	Robust SD	R-bar	# Labs			
037.44	Zinc, ICP, Dry ash (mg / kg (ppm))	2004	1,330.0	40.000			40.000	1		0	
037.52	Zinc, ICP-MS, Open vessel (mg / kg (ppm))	0047	1,222.2	1.5400			2.2700	2		0	
037.52	Zinc, ICP-MS, Open vessel (mg / kg (ppm))	0555	1,267.5	3.0000			2.2700	2		0	
037.53	Zinc, ICP-MS, Microwave (mg / kg (ppm))	0668	1,290.0	60.000	1,406.7	156.87	86.667	3		0	
037.53	Zinc, ICP-MS, Microwave (mg / kg (ppm))	0572	1,345.0	50.000	1,406.7	156.87	86.667	3		0	
037.53	Zinc, ICP-MS, Microwave (mg / kg (ppm))	0553	1,585.0	150.00	1,406.7	156.87	86.667	3		0	
037.99	Zinc, Miscellaneous (mg / kg (ppm))	0889	1,173.0	20.000	1,279.0	116.36	23.333	3		0	
037.99	Zinc, Miscellaneous (mg / kg (ppm))	0242	1,260.5	5.0000	1,279.0	116.36	23.333	3		0	
037.99	Zinc, Miscellaneous (mg / kg (ppm))	0100	1,403.5	45.000	1,279.0	116.36	23.333	3		0	
038.41	Molybdenum, ICP, Dry ash (mg / kg (ppm))	0011	1.9955	0.03300			0.03300	1		0	
038.42	Molybdenum, ICP, Open vessel (mg / kg (ppm))	0693	2.0199	0.40780	2.0483	0.02759	0.25927	3		0	
038.42	Molybdenum, ICP, Open vessel (mg / kg (ppm))	0555	2.0500	0.30000	2.0483	0.02759	0.25927	3		0	
038.42	Molybdenum, ICP, Open vessel (mg / kg (ppm))	0278	2.0750	0.07000	2.0483	0.02759	0.25927	3		0	
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0169	1.8150	0.19000	2.0890	0.25120	0.12200	4	-1.09	7%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0345	1.9600	0.12000	2.0890	0.25120	0.12200	4	-0.51	3%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0510	2.2000	0.00000	2.0890	0.25120	0.12200	4	0.44	3%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0504	2.3810	0.17800	2.0890	0.25120	0.12200	4	1.16	7%	0
038.52	Molybdenum, ICP-MS, Open vessel (mg / kg (ppm))	0555	2.2500	0.30000			0.30000	1		0	
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	0098	1.2300	0.24000	1.9670	0.50205	0.13942	5	-1.47	19%	0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	0168	1.7136	0.17370	1.9670	0.50205	0.13942	5	-0.50	6%	0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	0918	2.1116	0.02340	1.9670	0.50205	0.13942	5	0.29	4%	0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	0553	2.2850	0.13000	1.9670	0.50205	0.13942	5	0.63	8%	0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	2023	2.4950	0.13000	1.9670	0.50205	0.13942	5	1.05	13%	0
040.42	Barium, ICP, Open vessel (mg / kg (ppm))	0560	27.520	0.04000			0.04000	1		0	
040.43	Barium, ICP, Microwave (mg / kg (ppm))	0504	25.130	2.2800			1.2975	2		0	
040.43	Barium, ICP, Microwave (mg / kg (ppm))	0508	25.223	0.31500			1.2975	2		0	
040.52	Barium, ICP-MS, Open vessel (mg / kg (ppm))	0555	27.000	0.00000			0.00000	1		0	
040.53	Barium, ICP-MS, Microwave (mg / kg (ppm))	0918	26.122	1.3770			1.3770	1		0	
041.52	Vanadium, ICP-MS, Open vessel (mg / kg (ppm))	0555	2.1500	0.10000			0.10000	1		0	
041.53	Vanadium, ICP-MS, Microwave (mg / kg (ppm))	0168	1.8833	0.00830			0.06915	2		0	
041.53	Vanadium, ICP-MS, Microwave (mg / kg (ppm))	0553	2.0150	0.13000			0.06915	2		0	
042.99	Chloride, Miscellaneous (%)	0613	1.3200	0.08000			0.08000	1		0	
057.01	Ethoxyquin, LC (mg / kg (ppm))	0939	1.0170	0.10600				1		0	
057.01	Ethoxyquin, LC (mg / kg (ppm))	2058	0.00000	0.00000				1		4	
101.00	Choline Chloride, Microbiological (mg / kg (ppm))	0675	632.84	94.730			94.730	1		0	
101.01	Choline Chloride, Chem (mg / kg (ppm))	2004	1,550.0	140.00			101.00	2		0	
101.01	Choline Chloride, Chem (mg / kg (ppm))	0939	2,003.0	62.000			101.00	2		0	
101.02	Choline Chloride, LC (mg / kg (ppm))	0227	2,050.0	80.000			80.000	1		0	
101.99	Choline Chloride, Miscellaneous (mg / kg (ppm))	0208	2,045.0	230.00			230.00	1		0	
102.01	Niacin, Microbiological (mg / kg (ppm))	0227	1,085.0	70.000			80.000	2		0	
102.01	Niacin, Microbiological (mg / kg (ppm))	0208	1,285.0	90.000			80.000	2		0	
102.02	Niacin, LC (mg / kg (ppm))	0675	1,085.4	3.5900			35.795	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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102.02	Niacin, LC (mg / kg (ppm))	2022	1,242.0	68.000			35.795	2			0
103.01	Pantothenic Acid, Microbiological (mg / kg (ppm))	0227	167.00	10.000			7.5000	2			0
103.01	Pantothenic Acid, Microbiological (mg / kg (ppm))	0208	174.50	5.0000			7.5000	2			0
103.02	Pantothenic Acid, LC (mg / kg (ppm))	0675	33.040	2.3400			1.4050	2			0
103.02	Pantothenic Acid, LC (mg / kg (ppm))	0629	266.73	0.47000			1.4050	2			0
104.00	Riboflavin, Fluorometric (mg / kg (ppm))	0227	127.50	11.000			7.5000	2			0
104.00	Riboflavin, Fluorometric (mg / kg (ppm))	0171	147.00	4.0000			7.5000	2			0
104.03	Riboflavin, LC (mg / kg (ppm))	0675	33.220	0.50000	86.693	40.923	11.645	4	-1.31	31%	0
104.03	Riboflavin, LC (mg / kg (ppm))	2023	81.550	0.08000	86.693	40.923	11.645	4	-0.13	3%	0
104.03	Riboflavin, LC (mg / kg (ppm))	2022	101.50	31.000	86.693	40.923	11.645	4	0.36	9%	0
104.03	Riboflavin, LC (mg / kg (ppm))	0910	130.50	15.000	86.693	40.923	11.645	4	1.07	25%	0
105.00	Thiamine, LC (mg / kg (ppm))	2023	34.985	0.99000	53.700	11.772	1.6276	5	-1.59	17%	0
105.00	Thiamine, LC (mg / kg (ppm))	0208	50.736	1.8080	53.700	11.772	1.6276	5	-0.25	3%	0
105.00	Thiamine, LC (mg / kg (ppm))	0910	58.330	0.24000	53.700	11.772	1.6276	5	0.39	4%	0
105.00	Thiamine, LC (mg / kg (ppm))	0629	58.450	2.3000	53.700	11.772	1.6276	5	0.40	4%	0
105.00	Thiamine, LC (mg / kg (ppm))	2022	66.000	2.8000	53.700	11.772	1.6276	5	1.04	11%	0
105.00	Thiamine, LC (mg / kg (ppm))	0675	99.415	13.410	53.700	11.772	1.6276	5	3.88	43%	1
105.01	Thiamine, Fluorometer (mg / kg (ppm))	0227	73.400	5.0000			5.0000	1			0
106.00	Vitamin A, Color (KU / kg)	0019	102.09	0.19700			0.19700	1			0
106.01	Vitamin A, UV (KU / kg)	0098	47.100	9.4000			10.695	2			0
106.01	Vitamin A, UV (KU / kg)	0512	58.695	11.990			10.695	2			0
106.02	Vitamin A, LC (KU / kg)	0946	30.789	0.19100	51.730	16.012	36.332	22	-1.31	20%	0
106.02	Vitamin A, LC (KU / kg)	2053	31.500	6.0000	51.730	16.012	36.332	22	-1.26	20%	0
106.02	Vitamin A, LC (KU / kg)	0905	33.354	7.3570	51.730	16.012	36.332	22	-1.15	18%	0
106.02	Vitamin A, LC (KU / kg)	0004	35.600	1.4800	51.730	16.012	36.332	22	-1.01	16%	0
106.02	Vitamin A, LC (KU / kg)	0676	40.240	4.9800	51.730	16.012	36.332	22	-0.72	11%	0
106.02	Vitamin A, LC (KU / kg)	0910	41.400	0.00000	51.730	16.012	36.332	22	-0.65	10%	0
106.02	Vitamin A, LC (KU / kg)	0610	41.400	4.6000	51.730	16.012	36.332	22	-0.65	10%	0
106.02	Vitamin A, LC (KU / kg)	0038	45.930	1.6600	51.730	16.012	36.332	22	-0.36	6%	0
106.02	Vitamin A, LC (KU / kg)	0003	47.000	4.0000	51.730	16.012	36.332	22	-0.30	5%	0
106.02	Vitamin A, LC (KU / kg)	0227	47.450	4.5000	51.730	16.012	36.332	22	-0.27	4%	0
106.02	Vitamin A, LC (KU / kg)	0563	48.131	1.7692	51.730	16.012	36.332	22	-0.22	3%	0
106.02	Vitamin A, LC (KU / kg)	0861	49.150	15.700	51.730	16.012	36.332	22	-0.16	2%	0
106.02	Vitamin A, LC (KU / kg)	0148	49.745	2.6900	51.730	16.012	36.332	22	-0.12	2%	0
106.02	Vitamin A, LC (KU / kg)	0208	54.894	3.9680	51.730	16.012	36.332	22	0.20	3%	0
106.02	Vitamin A, LC (KU / kg)	0689	56.000	8.0000	51.730	16.012	36.332	22	0.27	4%	0
106.02	Vitamin A, LC (KU / kg)	0014	60.300	2.6000	51.730	16.012	36.332	22	0.54	8%	0
106.02	Vitamin A, LC (KU / kg)	0027	70.407	21.566	51.730	16.012	36.332	22	1.17	18%	0
106.02	Vitamin A, LC (KU / kg)	2004	72.950	0.70000	51.730	16.012	36.332	22	1.33	21%	0
106.02	Vitamin A, LC (KU / kg)	2023	85.150	3.1000	51.730	16.012	36.332	22	2.09	32%	0
106.02	Vitamin A, LC (KU / kg)	0675	91.375	4.4500	51.730	16.012	36.332	22	2.48	38%	0
106.02	Vitamin A, LC (KU / kg)	0169	132.50	1.0000	51.730	16.012	36.332	22	5.04	78%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCS Z Score	Threshold %RSD	Flag
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106.02	Vitamin A, LC (KU / kg)	0242	3,653.5	699.00	51.730	16.012	36.332	22	224.94	3481%	0
106.02	Vitamin A, LC (KU / kg)	0035	48,844	2,871.0	51.730	16.012	36.332	22	3047.14	47160%	2
107.00	Vitamin B12, Microbiological (µg / kg (ppb))	0208	201.50	3.0000			3.0000	1			0
107.99	Vitamin B12, Miscellaneous (µg / kg (ppb))	0675	212.10	1.0000			1.0000	1			0
108.01	Vitamin D3, LC, AOAC (KU / kg)	0169	12.500	1.0000			1.0000	1			0
108.02	Vitamin D3, LC (KU / kg)	2023	1.8600	0.14000	2.2533	0.45391	0.45400	5	-0.87	9%	0
108.02	Vitamin D3, LC (KU / kg)	0610	2.1500	0.30000	2.2533	0.45391	0.45400	5	-0.23	2%	0
108.02	Vitamin D3, LC (KU / kg)	0208	2.4550	1.3100	2.2533	0.45391	0.45400	5	0.44	4%	0
108.02	Vitamin D3, LC (KU / kg)	0227	2.7500	0.30000	2.2533	0.45391	0.45400	5	1.09	11%	0
108.02	Vitamin D3, LC (KU / kg)	0675	9.0500	0.22000	2.2533	0.45391	0.45400	5	14.97	151%	0
108.99	Vitamin D3, Miscellaneous (KU / kg)	2004	9.1750	0.27000			0.27000	1			0
109.02	Vitamin E, LC (IU/kg)	0148	596.16	20.880	789.81	104.92	52.018	18	-1.85	12%	0
109.02	Vitamin E, LC (IU/kg)	0208	654.61	59.220	789.81	104.92	52.018	18	-1.29	9%	0
109.02	Vitamin E, LC (IU/kg)	0027	690.76	45.527	789.81	104.92	52.018	18	-0.94	6%	0
109.02	Vitamin E, LC (IU/kg)	0227	713.50	33.000	789.81	104.92	52.018	18	-0.73	5%	0
109.02	Vitamin E, LC (IU/kg)	0590	721.12	0.00000	789.81	104.92	52.018	18	-0.65	4%	0
109.02	Vitamin E, LC (IU/kg)	0038	734.40	16.200	789.81	104.92	52.018	18	-0.53	4%	0
109.02	Vitamin E, LC (IU/kg)	0675	739.33	18.170	789.81	104.92	52.018	18	-0.48	3%	0
109.02	Vitamin E, LC (IU/kg)	0098	761.00	112.00	789.81	104.92	52.018	18	-0.27	2%	0
109.02	Vitamin E, LC (IU/kg)	0905	767.00	122.00	789.81	104.92	52.018	18	-0.22	1%	0
109.02	Vitamin E, LC (IU/kg)	0676	787.00	30.000	789.81	104.92	52.018	18	-0.03	0%	0
109.02	Vitamin E, LC (IU/kg)	0910	789.00	5.0000	789.81	104.92	52.018	18	-0.01	0%	0
109.02	Vitamin E, LC (IU/kg)	0610	820.50	51.000	789.81	104.92	52.018	18	0.29	2%	0
109.02	Vitamin E, LC (IU/kg)	0563	835.13	5.2322	789.81	104.92	52.018	18	0.43	3%	0
109.02	Vitamin E, LC (IU/kg)	0861	940.00	20.000	789.81	104.92	52.018	18	1.43	10%	0
109.02	Vitamin E, LC (IU/kg)	2103	969.50	17.000	789.81	104.92	52.018	18	1.71	11%	0
109.02	Vitamin E, LC (IU/kg)	2023	1,035.6	173.10	789.81	104.92	52.018	18	2.34	16%	0
109.02	Vitamin E, LC (IU/kg)	0169	1,050.0	100.00	789.81	104.92	52.018	18	2.48	16%	0
109.02	Vitamin E, LC (IU/kg)	0689	1,434.0	108.00	789.81	104.92	52.018	18	6.14	41%	0
109.02	Vitamin E, LC (IU/kg)	2022	4,820.0	160.00	789.81	104.92	52.018	18	38.41	255%	2
109.99	Vitamin E, Miscellaneous (IU/kg)	0171	763.00	18.000			18.000	1			0
112.00	Pyridoxine, Vitamin B6 (µg / g)	0208	10.850	1.1000			1.1000	1			0
112.01	Pyridoxine, LC (µg / g)	0675	31.105	0.57000			0.57000	1			0
113.01	Folic Acid, Micro (mg / kg (ppm))	0227	6.0250	0.31000			1.0200	2			0
113.01	Folic Acid, Micro (mg / kg (ppm))	0208	7.1650	1.7300			1.0200	2			0
114.01	Biotin, Microbiological (mg / kg (ppm))	0227	4.1600	0.36000			0.21500	2			0
114.01	Biotin, Microbiological (mg / kg (ppm))	0208	4.4550	0.07000			0.21500	2			0
114.99	Biotin, Miscellaneous (mg / kg (ppm))	0675	7.9600	1.6600			1.6600	1			0
120.00	Alanine, Post-col Ninhydrin Der (%)	0859	1.1175	0.00700	1.1926	0.01210	0.01670	10	-6.20	3%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	2022	1.1750	0.03000	1.1926	0.01210	0.01670	10	-1.45	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0675	1.1850	0.01000	1.1926	0.01210	0.01670	10	-0.62	0%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0227	1.1900	0.02000	1.1926	0.01210	0.01670	10	-0.21	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	Robust SD	R-bar	# Labs			
120.00	Alanine, Post-col Ninhydrin Der (%)	0504	1.1900	0.02000	1.1926	0.01210	0.01670	10	-0.21	0%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0872	1.1955	0.03500	1.1926	0.01210	0.01670	10	0.24	0%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	2059	1.1955	0.00300	1.1926	0.01210	0.01670	10	0.24	0%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0571	1.1985	0.00500	1.1926	0.01210	0.01670	10	0.49	0%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0619	1.2100	0.02000	1.1926	0.01210	0.01670	10	1.44	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0918	1.2314	0.01700	1.1926	0.01210	0.01670	10	3.21	2%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0910	1.1400	0.08000	1.1926	0.01210	0.01670	10	-4.34	2%	1
120.02	Alanine, Post-col OPA Der (%)	2023	1.1350	0.01000			0.01200	2			0
120.02	Alanine, Post-col OPA Der (%)	0098	1.2280	0.01400			0.01200	2			0
120.05	Alanine, Pre-col AQC Der (%)	0939	1.0650	0.03000			0.03850	2			0
120.05	Alanine, Pre-col AQC Der (%)	0676	1.1795	0.04700			0.03850	2			0
121.00	Arginine, Post-col Ninhydrin Der (%)	0859	1.6455	0.02500	1.7822	0.07384	0.02053	11	-1.85	4%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0675	1.7150	0.01000	1.7822	0.07384	0.02053	11	-0.91	2%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0227	1.7250	0.01000	1.7822	0.07384	0.02053	11	-0.77	2%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0910	1.7450	0.05000	1.7822	0.07384	0.02053	11	-0.50	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0504	1.7700	0.02000	1.7822	0.07384	0.02053	11	-0.17	0%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0872	1.7790	0.03200	1.7822	0.07384	0.02053	11	-0.04	0%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	2022	1.8050	0.01000	1.7822	0.07384	0.02053	11	0.31	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0918	1.8225	0.01780	1.7822	0.07384	0.02053	11	0.55	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0571	1.8280	0.01200	1.7822	0.07384	0.02053	11	0.62	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	2059	1.8555	0.00900	1.7822	0.07384	0.02053	11	0.99	2%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0619	2.0250	0.03000	1.7822	0.07384	0.02053	11	3.29	7%	0
121.02	Arginine, Post-col OPA Der (%)	2023	1.7150	0.01000			0.03800	2			0
121.02	Arginine, Post-col OPA Der (%)	0098	1.7360	0.06600			0.03800	2			0
121.05	Arginine, Pre-col AQC Der (%)	0939	1.5500	0.10000			0.08850	2			0
121.05	Arginine, Pre-col AQC Der (%)	0676	1.8995	0.07700			0.08850	2			0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0859	2.4290	0.03400	2.6245	0.08256	0.02622	11	-2.37	4%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0675	2.5050	0.01000	2.6245	0.08256	0.02622	11	-1.45	2%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0910	2.5300	0.02000	2.6245	0.08256	0.02622	11	-1.14	2%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0504	2.5900	0.02000	2.6245	0.08256	0.02622	11	-0.42	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0571	2.6310	0.00800	2.6245	0.08256	0.02622	11	0.08	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0872	2.6435	0.03100	2.6245	0.08256	0.02622	11	0.23	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	2059	2.6505	0.00100	2.6245	0.08256	0.02622	11	0.31	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0227	2.6600	0.06000	2.6245	0.08256	0.02622	11	0.43	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0619	2.6800	0.02000	2.6245	0.08256	0.02622	11	0.67	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	2022	2.7150	0.05000	2.6245	0.08256	0.02622	11	1.10	2%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0918	2.7208	0.03440	2.6245	0.08256	0.02622	11	1.17	2%	0
122.02	Aspartic, Post-col OPA Der (%)	2023	2.4550	0.03000			0.03850	2			0
122.02	Aspartic, Post-col OPA Der (%)	0098	2.6065	0.04700			0.03850	2			0
122.05	Aspartic, Pre-col AQC Der (%)	0939	1.5550	0.01000			0.02600	2			0
122.05	Aspartic, Pre-col AQC Der (%)	0676	2.6650	0.04200			0.02600	2			0
124.00	Cysteine/Cystine, PAO Post-col Ninhydry (%)	0227	0.37500	0.01000	0.39946	0.01882	0.01037	11	-1.30	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	Robust SD	R-bar	# Labs			
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0504	0.37500	0.01000	0.39946	0.01882	0.01037	11	-1.30	3%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	2022	0.37500	0.01000	0.39946	0.01882	0.01037	11	-1.30	3%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0859	0.39500	0.00800	0.39946	0.01882	0.01037	11	-0.24	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0872	0.39800	0.00600	0.39946	0.01882	0.01037	11	-0.08	0%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0571	0.40200	0.00000	0.39946	0.01882	0.01037	11	0.13	0%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0675	0.40500	0.01000	0.39946	0.01882	0.01037	11	0.29	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0910	0.40500	0.03000	0.39946	0.01882	0.01037	11	0.29	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	2059	0.41300	0.00000	0.39946	0.01882	0.01037	11	0.72	2%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0619	0.41700	0.00800	0.39946	0.01882	0.01037	11	0.93	2%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0918	0.43005	0.02210	0.39946	0.01882	0.01037	11	1.63	4%	0
124.01	Cysteine/Cystine, PAO Pre-col OPA Der (%)	0676	0.41900	0.01000			0.01000	1			0
124.02	Cysteine/Cystine, PAO Post-col OPA Der (%)	2023	0.39000	0.02000			0.01700	2			0
124.02	Cysteine/Cystine, PAO Post-col OPA Der (%)	0098	0.45000	0.01400			0.01700	2			0
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0939	0.36000	0.06000			0.06000	1			0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0859	4.2590	0.04800	4.6383	0.10945	0.04158	11	-3.47	4%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0504	4.4200	0.06000	4.6383	0.10945	0.04158	11	-1.99	2%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0910	4.5700	0.06000	4.6383	0.10945	0.04158	11	-0.62	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	2059	4.5885	0.02100	4.6383	0.10945	0.04158	11	-0.45	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0872	4.6230	0.06200	4.6383	0.10945	0.04158	11	-0.14	0%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0227	4.6300	0.06000	4.6383	0.10945	0.04158	11	-0.08	0%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0571	4.6565	0.03300	4.6383	0.10945	0.04158	11	0.17	0%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0918	4.6878	0.00340	4.6383	0.10945	0.04158	11	0.45	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0675	4.7450	0.03000	4.6383	0.10945	0.04158	11	0.98	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	2022	4.8050	0.07000	4.6383	0.10945	0.04158	11	1.52	2%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0619	5.1050	0.01000	4.6383	0.10945	0.04158	11	4.26	5%	0
125.02	Glutamic, Post-col OPA Der (%)	2023	4.5000	0.04000			0.06750	2			0
125.02	Glutamic, Post-col OPA Der (%)	0098	4.5895	0.09500			0.06750	2			0
125.05	Glutamic, Pre-col AQC Der (%)	0939	4.5000	0.12000			0.11200	2			0
125.05	Glutamic, Pre-col AQC Der (%)	0676	4.6510	0.10400			0.11200	2			0
126.00	Glycine, Post-col Ninhydrin Der (%)	0859	1.0740	0.01200	1.1485	0.03716	0.01733	11	-2.00	3%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0910	1.0950	0.03000	1.1485	0.03716	0.01733	11	-1.44	2%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0675	1.1150	0.01000	1.1485	0.03716	0.01733	11	-0.90	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	2059	1.1295	0.00500	1.1485	0.03716	0.01733	11	-0.51	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0918	1.1393	0.01260	1.1485	0.03716	0.01733	11	-0.25	0%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0504	1.1600	0.02000	1.1485	0.03716	0.01733	11	0.31	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0571	1.1630	0.01400	1.1485	0.03716	0.01733	11	0.39	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0872	1.1635	0.01700	1.1485	0.03716	0.01733	11	0.40	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0227	1.1650	0.03000	1.1485	0.03716	0.01733	11	0.44	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	2022	1.1850	0.03000	1.1485	0.03716	0.01733	11	0.98	2%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0619	1.2550	0.01000	1.1485	0.03716	0.01733	11	2.87	5%	0
126.02	Glycine, Post-col OPA Der (%)	2023	1.1050	0.01000			0.02700	2			0
126.02	Glycine, Post-col OPA Der (%)	0098	1.1690	0.04400			0.02700	2			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
126.05	Glycine, Pre-col AQC Der (%)	0939	1.0450	0.09000			0.05400	2			0
126.05	Glycine, Pre-col AQC Der (%)	0676	1.2040	0.01800			0.05400	2			0
127.00	Histidine, Post-col Ninhydrin Der (%)	0859	0.59100	0.01000	0.66464	0.02970	0.01191	11	-2.48	6%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0910	0.63500	0.01000	0.66464	0.02970	0.01191	11	-1.00	2%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0872	0.64850	0.00900	0.66464	0.02970	0.01191	11	-0.54	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0571	0.65350	0.00900	0.66464	0.02970	0.01191	11	-0.38	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	2059	0.65400	0.00400	0.66464	0.02970	0.01191	11	-0.36	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	2022	0.65500	0.03000	0.66464	0.02970	0.01191	11	-0.32	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0675	0.67500	0.01000	0.66464	0.02970	0.01191	11	0.35	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0227	0.68500	0.03000	0.66464	0.02970	0.01191	11	0.69	2%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0918	0.68600	0.00800	0.66464	0.02970	0.01191	11	0.72	2%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0504	0.74500	0.01000	0.66464	0.02970	0.01191	11	2.71	6%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0619	0.77450	0.00100	0.66464	0.02970	0.01191	11	3.70	8%	0
127.02	Histidine, Post-col OPA Der (%)	2023	0.61000	0.02000			0.01250	2			0
127.02	Histidine, Post-col OPA Der (%)	0098	0.65450	0.00500			0.01250	2			0
127.05	Histidine, Pre-col AQC Der (%)	0939	0.62500	0.01000			0.01200	2			0
127.05	Histidine, Pre-col AQC Der (%)	0676	0.63400	0.01400			0.01200	2			0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0675	0.95500	0.01000	1.0532	0.04429	0.02616	10	-2.22	5%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0859	0.96350	0.01500	1.0532	0.04429	0.02616	10	-2.02	4%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0619	1.0050	0.03000	1.0532	0.04429	0.02616	10	-1.09	2%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0910	1.0450	0.09000	1.0532	0.04429	0.02616	10	-0.18	0%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0571	1.0575	0.00500	1.0532	0.04429	0.02616	10	0.10	0%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	2059	1.0630	0.00000	1.0532	0.04429	0.02616	10	0.22	0%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0872	1.0655	0.05100	1.0532	0.04429	0.02616	10	0.28	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0918	1.0813	0.00060	1.0532	0.04429	0.02616	10	0.64	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0227	1.0900	0.04000	1.0532	0.04429	0.02616	10	0.83	2%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0504	1.1300	0.02000	1.0532	0.04429	0.02616	10	1.73	4%	0
128.02	Isoleucine, Post-col OPA Der (%)	2023	0.90000	0.02000			0.02350	2			0
128.02	Isoleucine, Post-col OPA Der (%)	0098	1.0795	0.02700			0.02350	2			0
128.05	Isoleucine, Pre-col AQC Der (%)	0939	1.0050	0.05000			0.03950	2			0
128.05	Isoleucine, Pre-col AQC Der (%)	0676	1.0965	0.02900			0.03950	2			0
129.00	Leucine, Post-col Ninhydrin Der (%)	0859	1.7885	0.02500	1.9209	0.06533	0.01585	10	-2.03	3%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0675	1.8450	0.01000	1.9209	0.06533	0.01585	10	-1.16	2%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0872	1.8775	0.03700	1.9209	0.06533	0.01585	10	-0.66	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	2059	1.9120	0.01400	1.9209	0.06533	0.01585	10	-0.14	0%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0227	1.9200	0.02000	1.9209	0.06533	0.01585	10	-0.01	0%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0918	1.9306	0.01950	1.9209	0.06533	0.01585	10	0.15	0%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0571	1.9455	0.01300	1.9209	0.06533	0.01585	10	0.38	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0504	1.9650	0.01000	1.9209	0.06533	0.01585	10	0.68	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	2022	1.9750	0.01000	1.9209	0.06533	0.01585	10	0.83	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0619	2.0100	0.00000	1.9209	0.06533	0.01585	10	1.36	2%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0910	1.8100	0.08000	1.9209	0.06533	0.01585	10	-1.70	3%	1



Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
129.02	Leucine, Post-col OPA Der (%)	2023	1.8750	0.03000			0.03850	2			0
129.02	Leucine, Post-col OPA Der (%)	0098	1.9405	0.04700			0.03850	2			0
129.05	Leucine, Pre-col AQC Der (%)	0939	1.7250	0.13000			0.08850	2			0
129.05	Leucine, Pre-col AQC Der (%)	0676	1.9465	0.04700			0.08850	2			0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0848	1.8700	0.02000	2.1621	0.11861	0.02606	12	-2.46	7%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0859	2.0275	0.02100	2.1621	0.11861	0.02606	12	-1.13	3%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0675	2.0850	0.03000	2.1621	0.11861	0.02606	12	-0.65	2%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0910	2.0850	0.07000	2.1621	0.11861	0.02606	12	-0.65	2%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0571	2.1435	0.02700	2.1621	0.11861	0.02606	12	-0.16	0%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0512	2.1440	0.02800	2.1621	0.11861	0.02606	12	-0.15	0%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0872	2.1620	0.03800	2.1621	0.11861	0.02606	12	0.00	0%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0504	2.2300	0.02000	2.1621	0.11861	0.02606	12	0.57	2%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0918	2.2390	0.01270	2.1621	0.11861	0.02606	12	0.65	2%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	2059	2.2410	0.01600	2.1621	0.11861	0.02606	12	0.67	2%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	2022	2.2700	0.00000	2.1621	0.11861	0.02606	12	0.91	2%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0619	2.3350	0.03000	2.1621	0.11861	0.02606	12	1.46	4%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0227	2.2800	0.18000	2.1621	0.11861	0.02606	12	0.99	3%	1
130.01	L-Lysine, Pre-col OPA Der (%)	0035	2.2500	0.08000			0.08000	1			0
130.02	L-Lysine, Post-col OPA Der (%)	2023	2.2500	0.04000			0.03350	2			0
130.02	L-Lysine, Post-col OPA Der (%)	0098	2.2635	0.02700			0.03350	2			0
130.05	L-Lysine, Pre-col AQC Der (%)	0027	2.2145	0.08300	2.2410	0.04123	0.07867	3			0
130.05	L-Lysine, Pre-col AQC Der (%)	0939	2.2200	0.10000	2.2410	0.04123	0.07867	3			0
130.05	L-Lysine, Pre-col AQC Der (%)	0676	2.2885	0.05300	2.2410	0.04123	0.07867	3			0
130.99	L-Lysine, Miscellaneous (%)	0563	1.4500	0.14000			0.14000	1			0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0848	0.25500	0.01000	0.31485	0.03201	0.00712	12	-1.87	10%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0619	0.25950	0.01100	0.31485	0.03201	0.00712	12	-1.73	9%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	2022	0.28500	0.01000	0.31485	0.03201	0.00712	12	-0.93	5%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0859	0.29400	0.00200	0.31485	0.03201	0.00712	12	-0.65	3%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	2059	0.31600	0.00400	0.31485	0.03201	0.00712	12	0.04	0%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0571	0.31800	0.00200	0.31485	0.03201	0.00712	12	0.10	1%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0910	0.32000	0.02000	0.31485	0.03201	0.00712	12	0.16	1%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0872	0.32550	0.00500	0.31485	0.03201	0.00712	12	0.33	2%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0504	0.33000	0.00000	0.31485	0.03201	0.00712	12	0.47	2%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0227	0.33500	0.01000	0.31485	0.03201	0.00712	12	0.63	3%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0675	0.34500	0.01000	0.31485	0.03201	0.00712	12	0.94	5%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0918	0.36810	0.00140	0.31485	0.03201	0.00712	12	1.66	8%	0
131.02	Methionine, PAO Post-col OPA Der (%)	2023	0.27500	0.01000			0.01500	2			0
131.02	Methionine, PAO Post-col OPA Der (%)	0098	0.31400	0.02000			0.01500	2			0
131.05	Methionine, PAO Pre-col AQC Der (%)	0939	0.35500	0.09000			0.09000	1			0
131.99	Methionine, Miscellaneous (%)	0563	0.20500	0.01000			0.01000	1			0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0859	1.1530	0.02800	1.2114	0.02191	0.02356	11	-2.67	2%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0918	1.1556	0.00720	1.2114	0.02191	0.02356	11	-2.55	2%	0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0675	1.1650	0.01000	1.2114	0.02191	0.02356	11	-2.12	2%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	2022	1.1850	0.05000	1.2114	0.02191	0.02356	11	-1.21	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0504	1.2100	0.00000	1.2114	0.02191	0.02356	11	-0.07	0%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0571	1.2160	0.04000	1.2114	0.02191	0.02356	11	0.21	0%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0227	1.2200	0.02000	1.2114	0.02191	0.02356	11	0.39	0%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0910	1.2250	0.03000	1.2114	0.02191	0.02356	11	0.62	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0872	1.2270	0.02200	1.2114	0.02191	0.02356	11	0.71	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	2059	1.2280	0.01200	1.2114	0.02191	0.02356	11	0.76	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0619	1.2600	0.04000	1.2114	0.02191	0.02356	11	2.22	2%	0
132.02	Phenylalanine, Post-col OPA Der (%)	2023	1.1800	0.02000			0.02600	2			0
132.02	Phenylalanine, Post-col OPA Der (%)	0098	1.2250	0.03200			0.02600	2			0
132.05	Phenylalanine, Pre-col AQC Der (%)	0939	1.1050	0.09000			0.06250	2			0
132.05	Phenylalanine, Pre-col AQC Der (%)	0676	1.2165	0.03500			0.06250	2			0
133.00	Proline, Post-col Ninhydrin Der (%)	0859	1.2675	0.00900	1.3754	0.08459	0.01683	10	-1.28	4%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0910	1.2700	0.00000	1.3754	0.08459	0.01683	10	-1.25	4%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0619	1.3450	0.03000	1.3754	0.08459	0.01683	10	-0.36	1%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0504	1.3500	0.02000	1.3754	0.08459	0.01683	10	-0.30	1%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0675	1.3500	0.02000	1.3754	0.08459	0.01683	10	-0.30	1%	0
133.00	Proline, Post-col Ninhydrin Der (%)	2059	1.3690	0.01000	1.3754	0.08459	0.01683	10	-0.08	0%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0918	1.4098	0.00030	1.3754	0.08459	0.01683	10	0.41	1%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0571	1.4525	0.03100	1.3754	0.08459	0.01683	10	0.91	3%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0872	1.4650	0.01800	1.3754	0.08459	0.01683	10	1.06	3%	0
133.00	Proline, Post-col Ninhydrin Der (%)	2022	1.4750	0.03000	1.3754	0.08459	0.01683	10	1.18	4%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0227	1.4450	0.09000	1.3754	0.08459	0.01683	10	0.82	3%	1
133.05	Proline, Pre-col AQC Der (%)	0939	1.3150	0.11000			0.07550	2			0
133.05	Proline, Pre-col AQC Der (%)	0676	1.4695	0.04100			0.07550	2			0
133.99	Proline, Miscellaneous (%)	2023	1.5000	0.00000			0.00000	1			0
134.00	Serine, Post-col Ninhydrin Der (%)	0504	0.98500	0.09000	1.2281	0.07324	0.02659	11	-3.32	10%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0859	1.1610	0.01200	1.2281	0.07324	0.02659	11	-0.92	3%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0910	1.1750	0.01000	1.2281	0.07324	0.02659	11	-0.72	2%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0918	1.1777	0.01850	1.2281	0.07324	0.02659	11	-0.69	2%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0227	1.2400	0.02000	1.2281	0.07324	0.02659	11	0.16	0%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0571	1.2415	0.00100	1.2281	0.07324	0.02659	11	0.18	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	2059	1.2445	0.00900	1.2281	0.07324	0.02659	11	0.22	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0675	1.2450	0.01000	1.2281	0.07324	0.02659	11	0.23	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0872	1.2680	0.00200	1.2281	0.07324	0.02659	11	0.55	2%	0
134.00	Serine, Post-col Ninhydrin Der (%)	2022	1.3000	0.08000	1.2281	0.07324	0.02659	11	0.98	3%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0619	1.3500	0.04000	1.2281	0.07324	0.02659	11	1.66	5%	0
134.02	Serine, Post-col OPA Der (%)	0098	1.1855	0.05700			0.03350	2			0
134.02	Serine, Post-col OPA Der (%)	2023	1.2350	0.01000			0.03350	2			0
134.05	Serine, Pre-col AQC Der (%)	0939	1.1100	0.08000			0.04950	2			0
134.05	Serine, Pre-col AQC Der (%)	0676	1.2175	0.01900			0.04950	2			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCS Z Score	Threshold %RSD	Flag
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135.00	Threonine, Post-col Ninhydrin Der (%)	0859	0.88600	0.00800	0.95032	0.04599	0.01155	11	-1.40	3%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0910	0.90500	0.01000	0.95032	0.04599	0.01155	11	-0.99	2%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0504	0.92000	0.02000	0.95032	0.04599	0.01155	11	-0.66	2%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0675	0.92500	0.01000	0.95032	0.04599	0.01155	11	-0.55	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	2059	0.93150	0.00500	0.95032	0.04599	0.01155	11	-0.41	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0571	0.95500	0.00000	0.95032	0.04599	0.01155	11	0.10	0%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0872	0.96100	0.00400	0.95032	0.04599	0.01155	11	0.23	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0227	0.96500	0.03000	0.95032	0.04599	0.01155	11	0.32	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	2022	0.98500	0.01000	0.95032	0.04599	0.01155	11	0.75	2%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0918	0.99845	0.01010	0.95032	0.04599	0.01155	11	1.05	3%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0619	1.0800	0.02000	0.95032	0.04599	0.01155	11	2.82	7%	0
135.02	Threonine, Post-col OPA Der (%)	2023	0.93500	0.01000			0.00900	2			0
135.02	Threonine, Post-col OPA Der (%)	0098	0.95400	0.00800			0.00900	2			0
135.05	Threonine, Pre-col AQC Der (%)	0676	0.98500	0.03200			0.06100	2			0
135.05	Threonine, Pre-col AQC Der (%)	0939	0.99500	0.09000			0.06100	2			0
135.99	Threonine, Miscellaneous (%)	0563	0.75000	0.06000			0.06000	1			0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0918	0.28860	0.01300	0.34403	0.05136	0.01200	3			0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0619	0.35350	0.00300	0.34403	0.05136	0.01200	3			0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0227	0.39000	0.02000	0.34403	0.05136	0.01200	3			0
136.01	Tryptophan, Alka-Hydrol Rev Phase LC UV (%)	0868	0.30200	0.00400			0.00350	2			0
136.01	Tryptophan, Alka-Hydrol Rev Phase LC UV (%)	2059	0.30550	0.00300			0.00350	2			0
136.02	Tryptophan, Alka-Hydrol Post-col OPA De (%)	2023	0.22500	0.01000			0.02450	2			0
136.02	Tryptophan, Alka-Hydrol Post-col OPA De (%)	0098	0.33450	0.03900			0.02450	2			0
136.03	Tryptophan, Alka-Hydrol + IS RP LC Fl (%)	0859	0.33150	0.00500	0.33150	0.00000	0.00433	3			0
136.03	Tryptophan, Alka-Hydrol + IS RP LC Fl (%)	0872	0.33150	0.00700	0.33150	0.00000	0.00433	3			0
136.03	Tryptophan, Alka-Hydrol + IS RP LC Fl (%)	0571	0.33850	0.00100	0.33150	0.00000	0.00433	3			0
136.99	Tryptophan, Miscellaneous (%)	0504	0.27500	0.03000			0.03000	1			0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0675	0.77000	0.02000	0.82695	0.05911	0.01353	6	-0.96	3%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0227	0.78500	0.01000	0.82695	0.05911	0.01353	6	-0.71	3%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0504	0.80000	0.02000	0.82695	0.05911	0.01353	6	-0.46	2%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0872	0.82800	0.00200	0.82695	0.05911	0.01353	6	0.02	0%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	2059	0.88350	0.00100	0.82695	0.05911	0.01353	6	0.96	3%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0918	0.91650	0.02820	0.82695	0.05911	0.01353	6	1.51	5%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0910	0.62500	0.13000	0.82695	0.05911	0.01353	6	-3.42	12%	1
137.02	Tyrosine, Post-col OPA Der (%)	2023	0.69500	0.01000			0.05400	2			0
137.02	Tyrosine, Post-col OPA Der (%)	0098	0.80000	0.09800			0.05400	2			0
137.05	Tyrosine, Pre-col AQC Der (%)	0939	0.85500	0.23000			0.13950	2			0
137.05	Tyrosine, Pre-col AQC Der (%)	0676	0.87350	0.04900			0.13950	2			0
138.00	Valine, Post-col Ninhydrin Der (%)	0675	1.0900	0.00000	1.1969	0.03864	0.02811	10	-2.77	4%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0859	1.1080	0.01600	1.1969	0.03864	0.02811	10	-2.30	4%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0872	1.1740	0.07600	1.1969	0.03864	0.02811	10	-0.59	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0910	1.1800	0.06000	1.1969	0.03864	0.02811	10	-0.44	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCS Z Score	Threshold %RSD	Flag
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138.00	Valine, Post-col Ninhydrin Der (%)	0619	1.1900	0.02000	1.1969	0.03864	0.02811	10	-0.18	0%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0918	1.2067	0.01110	1.1969	0.03864	0.02811	10	0.25	0%	0
138.00	Valine, Post-col Ninhydrin Der (%)	2059	1.2115	0.00300	1.1969	0.03864	0.02811	10	0.38	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0571	1.2135	0.00500	1.1969	0.03864	0.02811	10	0.43	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0227	1.2600	0.06000	1.1969	0.03864	0.02811	10	1.63	3%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0504	1.2850	0.03000	1.1969	0.03864	0.02811	10	2.28	4%	0
138.02	Valine, Post-col OPA Der (%)	2023	0.97000	0.04000			0.03100	2			0
138.02	Valine, Post-col OPA Der (%)	0098	1.2350	0.02200			0.03100	2			0
138.05	Valine, Pre-col AQC Der (%)	0939	1.1150	0.07000			0.05850	2			0
138.05	Valine, Pre-col AQC Der (%)	0676	1.3075	0.04700			0.05850	2			0
139.00	Taurine, Post-col Ninhydrin Der (%)	0504	0.10000	0.02000			0.02000	1			0
139.02	Taurine, Post-col OPA Der (%)	0098	0.00000	0.00000			0.00000	0			4
140.01	Lysine Free, LC-PCD (%)	0571	0.80650	0.00500			0.00500	1			0
160.99	Fructose, Miscellaneous (%)	0619	0.09200	0.01000	0.59920	0.50057	0.04080	5	-1.01	42%	0
160.99	Fructose, Miscellaneous (%)	0148	0.31000	0.02000	0.59920	0.50057	0.04080	5	-0.58	24%	0
160.99	Fructose, Miscellaneous (%)	0227	0.54000	0.10000	0.59920	0.50057	0.04080	5	-0.12	5%	0
160.99	Fructose, Miscellaneous (%)	0629	0.64500	0.01000	0.59920	0.50057	0.04080	5	0.09	4%	0
160.99	Fructose, Miscellaneous (%)	0889	1.4090	0.06400	0.59920	0.50057	0.04080	5	1.62	68%	0
162.99	Glucose, Miscellaneous (%)	0227	0.18000	0.04000			0.06500	2			0
162.99	Glucose, Miscellaneous (%)	0889	1.0860	0.09000			0.06500	2			0
162.99	Glucose, Miscellaneous (%)	0148	0.00000	0.00000			0.06500	2			4
162.99	Glucose, Miscellaneous (%)	0619	0.00000	0.00000			0.06500	2			4
163.99	Lactose, Miscellaneous (%)	0148	0.11000	0.00000				1			0
163.99	Lactose, Miscellaneous (%)	0619	0.00000	0.00000				1			4
164.99	Maltose, Miscellaneous (%)	0148	0.00000	0.00000			0.00000	0			4
165.99	Sucrose, Miscellaneous (%)	0619	1.6150	0.05000	3.9730	0.21548	0.18800	5	-10.94	30%	0
165.99	Sucrose, Miscellaneous (%)	0629	3.7500	0.00000	3.9730	0.21548	0.18800	5	-1.03	3%	0
165.99	Sucrose, Miscellaneous (%)	0148	3.9200	0.14000	3.9730	0.21548	0.18800	5	-0.25	1%	0
165.99	Sucrose, Miscellaneous (%)	0227	3.9550	0.53000	3.9730	0.21548	0.18800	5	-0.08	0%	0
165.99	Sucrose, Miscellaneous (%)	0889	4.2670	0.22000	3.9730	0.21548	0.18800	5	1.36	4%	0
166.99	Raffinose, Miscellaneous (%)	0619	0.77150	0.02700			0.02700	1			0
167.99	Stachyose, Miscellaneous (%)	0619	3.8800	0.12000			0.12000	1			0
400.01	Water activity, Aqualab chilled mirror (Units)	0942	0.45500	0.01000	0.47208	0.01613	0.00565	4	-1.06	2%	0
400.01	Water activity, Aqualab chilled mirror (Units)	0242	0.46800	0.00600	0.47208	0.01613	0.00565	4	-0.25	0%	0
400.01	Water activity, Aqualab chilled mirror (Units)	0589	0.47150	0.00500	0.47208	0.01613	0.00565	4	-0.04	0%	0
400.01	Water activity, Aqualab chilled mirror (Units)	0552	0.49380	0.00160	0.47208	0.01613	0.00565	4	1.35	2%	0
400.99	Water activity, Miscellaneous (Units)	2073	0.50600	0.03200			0.03200	1			0
516.52	Arsenic, total, ICP-MS, Open vessel (mg / kg (ppr	0555	0.35900	0.00200			0.00200	1			0
516.53	Arsenic, total, ICP-MS, Microwave (mg / kg (ppm),	0553	0.30800	0.04000	0.38947	0.09412	0.03422	5	-0.87	10%	0
516.53	Arsenic, total, ICP-MS, Microwave (mg / kg (ppm),	0227	0.33300	0.00600	0.38947	0.09412	0.03422	5	-0.60	7%	0
516.53	Arsenic, total, ICP-MS, Microwave (mg / kg (ppm),	0918	0.37205	0.01490	0.38947	0.09412	0.03422	5	-0.19	2%	0
516.53	Arsenic, total, ICP-MS, Microwave (mg / kg (ppm),	0168	0.38580	0.09720	0.38947	0.09412	0.03422	5	-0.04	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	Robust SD	R-bar	# Labs			
516.53	Arsenic, total, ICP-MS, Microwave (mg / kg (ppm))	0098	0.54850	0.01300	0.38947	0.09412	0.03422	5	1.69	20%	0
518.41	Cadmium, ICP, Dry ash (mg / kg (ppm))	0619	0.10250	0.01500	0.13100	0.02755	0.00633	3			0
518.41	Cadmium, ICP, Dry ash (mg / kg (ppm))	0968	0.13300	0.00000	0.13100	0.02755	0.00633	3			0
518.41	Cadmium, ICP, Dry ash (mg / kg (ppm))	0011	0.15750	0.00400	0.13100	0.02755	0.00633	3			0
518.52	Cadmium, ICP-MS, Open vessel (mg / kg (ppm))	0555	0.15500	0.01000			0.01000	1			0
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0168	0.14305	0.01330	0.15160	0.00658	0.01780	5	-1.30	3%	0
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0098	0.14750	0.01900	0.15160	0.00658	0.01780	5	-0.62	1%	0
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0553	0.15150	0.03300	0.15160	0.00658	0.01780	5	-0.02	0%	0
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0227	0.15700	0.02200	0.15160	0.00658	0.01780	5	0.82	2%	0
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0918	0.15895	0.00170	0.15160	0.00658	0.01780	5	1.12	2%	0
520.41	Chromium, ICP, Dry ash (mg / kg (ppm))	0619	2.8800	0.14000			0.19500	2			0
520.41	Chromium, ICP, Dry ash (mg / kg (ppm))	0011	4.3675	0.25000			0.19500	2			0
520.43	Chromium, ICP, Microwave (mg / kg (ppm))	0510	7.1350	0.07000			0.06820	2			0
520.43	Chromium, ICP, Microwave (mg / kg (ppm))	0508	7.4266	0.06640			0.06820	2			0
520.52	Chromium, ICP-MS, Open vessel (mg / kg (ppm))	0555	4.9000	1.2000			1.2000	1			0
520.53	Chromium, ICP-MS, Microwave (mg / kg (ppm))	0918	4.9618	0.46770	6.9654	1.3644	0.32988	4	-1.47	14%	0
520.53	Chromium, ICP-MS, Microwave (mg / kg (ppm))	0553	7.2450	0.45000	6.9654	1.3644	0.32988	4	0.20	2%	0
520.53	Chromium, ICP-MS, Microwave (mg / kg (ppm))	2023	7.7750	0.27000	6.9654	1.3644	0.32988	4	0.59	6%	0
520.53	Chromium, ICP-MS, Microwave (mg / kg (ppm))	0168	7.8800	0.13180	6.9654	1.3644	0.32988	4	0.67	7%	0
520.99	Chromium, Miscellaneous (mg / kg (ppm))	0968	2.8620	0.51000			0.51000	1			0
526.31	Lead, AAS, Dry ash (mg / kg (ppm))	0689	0.19000	0.00000			0.00000	1			0
526.41	Lead, ICP, Dry ash (mg / kg (ppm))	0619	0.21150	0.03700			0.03700	1			0
526.52	Lead, ICP-MS, Open vessel (mg / kg (ppm))	0555	0.28000	0.10000			0.10000	1			0
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0098	0.19500	0.00400	0.20606	0.01672	0.01180	5	-0.66	3%	0
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0227	0.19500	0.00200	0.20606	0.01672	0.01180	5	-0.66	3%	0
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0553	0.19800	0.00000	0.20606	0.01672	0.01180	5	-0.48	2%	0
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0918	0.20785	0.03570	0.20606	0.01672	0.01180	5	0.11	0%	0
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0168	0.23445	0.01730	0.20606	0.01672	0.01180	5	1.70	7%	0
529.99	Mercury, Miscellaneous (µg / kg (ppb))	0555	0.00000	0.00000				0			4
529.99	Mercury, Miscellaneous (µg / kg (ppb))	0918	0.00000	0.00000				0			4
539.41	Nickel, ICP, Dry ash (mg / kg (ppm))	0011	6.9378	0.02150			0.02150	1			0
539.43	Nickel, ICP, Microwave (mg / kg (ppm))	0508	6.6313	0.38940			0.29820	2			0
539.43	Nickel, ICP, Microwave (mg / kg (ppm))	0504	8.7275	0.20700			0.29820	2			0
539.52	Nickel, ICP-MS, Open vessel (mg / kg (ppm))	0555	7.1000	0.80000			0.80000	1			0
539.53	Nickel, ICP-MS, Microwave (mg / kg (ppm))	0918	6.7101	0.04110	7.6617	0.82690	0.38370	3			0
539.53	Nickel, ICP-MS, Microwave (mg / kg (ppm))	2023	8.0700	0.38000	7.6617	0.82690	0.38370	3			0
539.53	Nickel, ICP-MS, Microwave (mg / kg (ppm))	0553	8.2050	0.73000	7.6617	0.82690	0.38370	3			0
600.12	Total Aflatoxin, r-Biopharm Ridascreen FAST Afl (	1019	2.0000	0.00000							0

Notes: Interpreting Z Scores: Red indicates a normally distributed Z value >3 or <-3 (requires action), Orange = Z between 2 and 3 or -2 and -3 (warning) and Green = Z < 2 and >-2 (OK at 95%). Flags indicate data usage: 0 = Used, 1 = Rejected for duplicates too far apart, 2 = Rejected as outlier, 8 = Analyst data exempt and 4 = zeros submitted as values. Robust statistics not used if < 6 labs reporting, in this case the Z Scores may be included for information only (Grey, No Action!). Flag 9 indicates no statistics calculated for this dataset. To review the problem please see all submitted data for this test.

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			