



Method Proficiency Testing Report Pet Food Program

Sample # 201641
Tomato Pomace

Labs Reporting: 56
Issue Date : 04/30/2016

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	
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0034	4.9750	0.29000	5.6427	0.24675	0.09850	4	-2.71	6%	0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0309	5.3965	0.02300	5.6427	0.24675	0.09850	4	-1.00	2%	0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0027	5.6415	0.00100	5.6427	0.24675	0.09850	4	0.00	0%	0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0504	5.8900	0.08000	5.6427	0.24675	0.09850	4	1.00	2%	0
001.03	Loss on Drying, Low temp. methods (%)	2062	0.57780	0.00040	3.8603	2.8446	0.02257	3			0
001.03	Loss on Drying, Low temp. methods (%)	2124	5.3982	0.01730	3.8603	2.8446	0.02257	3			0
001.03	Loss on Drying, Low temp. methods (%)	2115	5.6050	0.05000	3.8603	2.8446	0.02257	3			0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0512	5.2320	0.21200	5.5797	0.25325	0.07720	10	-1.37	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0613	5.3250	0.03000	5.5797	0.25325	0.07720	10	-1.01	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0845	5.4500	0.12000	5.5797	0.25325	0.07720	10	-0.51	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0035	5.4750	0.01000	5.5797	0.25325	0.07720	10	-0.41	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0015	5.5500	0.18000	5.5797	0.25325	0.07720	10	-0.12	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0171	5.5750	0.01000	5.5797	0.25325	0.07720	10	-0.02	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2033	5.6750	0.03000	5.5797	0.25325	0.07720	10	0.38	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0098	5.7400	0.04000	5.5797	0.25325	0.07720	10	0.63	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0003	5.8150	0.09000	5.5797	0.25325	0.07720	10	0.93	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0074	5.9650	0.05000	5.5797	0.25325	0.07720	10	1.52	3%	0
001.99	Loss on Drying, Miscellaneous (%)	0510	5.5000	0.00000				1			0
002.00	Protein, Crude (%)	0845	21.075	0.13000				1			0
002.01	Protein, Auto Kjel-Foss (%)	0870	19.641	0.91000	20.513	0.12374	0.36000	3			0
002.01	Protein, Auto Kjel-Foss (%)	2023	20.425	0.09000	20.513	0.12374	0.36000	3			0
002.01	Protein, Auto Kjel-Foss (%)	0164	20.600	0.08000	20.513	0.12374	0.36000	3			0
002.02	Protein, Semiauto Autoanalyzer (%)	0042	20.580	0.16000				1			0
002.04	Protein, Copper Catalyst (%)	0504	20.100	0.26000	20.315	0.19216	0.13667	3			0
002.04	Protein, Copper Catalyst (%)	2122	20.375	0.13000	20.315	0.19216	0.13667	3			0
002.04	Protein, Copper Catalyst (%)	2058	20.470	0.02000	20.315	0.19216	0.13667	3			0
002.05	Protein, Copper, Boric Acid (%)	0943	19.145	0.41000	20.102	0.65931	0.19675	4	-1.45	2%	0
002.05	Protein, Copper, Boric Acid (%)	2062	20.283	0.07700	20.102	0.65931	0.19675	4	0.27	0%	0
002.05	Protein, Copper, Boric Acid (%)	0015	20.325	0.29000	20.102	0.65931	0.19675	4	0.34	1%	0
002.05	Protein, Copper, Boric Acid (%)	2115	20.655	0.01000	20.102	0.65931	0.19675	4	0.84	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0051	20.000	0.00000	20.646	0.34424	0.15141	39	-1.88	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			
002.06	Protein, Combustion Nitrogen Analyzer (%)	0202	20.045	0.05000	20.646	0.34424	0.15141	39	-1.75	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0047	20.100	0.20000	20.646	0.34424	0.15141	39	-1.59	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0164	20.260	0.04000	20.646	0.34424	0.15141	39	-1.12	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0017	20.270	0.10000	20.646	0.34424	0.15141	39	-1.09	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0957	20.280	0.16000	20.646	0.34424	0.15141	39	-1.06	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0407	20.296	0.00900	20.646	0.34424	0.15141	39	-1.02	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0512	20.315	0.05000	20.646	0.34424	0.15141	39	-0.96	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0027	20.321	0.03600	20.646	0.34424	0.15141	39	-0.95	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0613	20.330	0.12000	20.646	0.34424	0.15141	39	-0.92	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2124	20.402	0.01100	20.646	0.34424	0.15141	39	-0.71	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0208	20.505	0.09000	20.646	0.34424	0.15141	39	-0.41	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2023	20.530	0.06000	20.646	0.34424	0.15141	39	-0.34	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0960	20.545	0.51000	20.646	0.34424	0.15141	39	-0.29	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2050	20.550	0.02000	20.646	0.34424	0.15141	39	-0.28	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2058	20.560	0.00000	20.646	0.34424	0.15141	39	-0.25	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0034	20.563	0.24600	20.646	0.34424	0.15141	39	-0.24	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0171	20.660	0.04000	20.646	0.34424	0.15141	39	0.04	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2089	20.670	0.10000	20.646	0.34424	0.15141	39	0.07	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0504	20.700	0.18000	20.646	0.34424	0.15141	39	0.16	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0553	20.700	0.40000	20.646	0.34424	0.15141	39	0.16	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0003	20.720	0.04000	20.646	0.34424	0.15141	39	0.21	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0035	20.720	0.08000	20.646	0.34424	0.15141	39	0.21	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0014	20.750	0.10000	20.646	0.34424	0.15141	39	0.30	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0033	20.750	0.10000	20.646	0.34424	0.15141	39	0.30	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0959	20.760	0.22000	20.646	0.34424	0.15141	39	0.33	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0001	20.775	0.27000	20.646	0.34424	0.15141	39	0.37	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0808	20.775	0.05000	20.646	0.34424	0.15141	39	0.37	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0098	20.850	0.50000	20.646	0.34424	0.15141	39	0.59	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0042	20.870	0.18000	20.646	0.34424	0.15141	39	0.65	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2016	20.895	0.09000	20.646	0.34424	0.15141	39	0.72	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0510	20.900	0.20000	20.646	0.34424	0.15141	39	0.74	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2033	20.940	0.06000	20.646	0.34424	0.15141	39	0.85	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0309	20.997	0.34100	20.646	0.34424	0.15141	39	1.02	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0508	21.011	0.71100	20.646	0.34424	0.15141	39	1.06	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0650	21.180	0.16000	20.646	0.34424	0.15141	39	1.55	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0026	21.321	0.15100	20.646	0.34424	0.15141	39	1.96	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0511	21.670	0.06000	20.646	0.34424	0.15141	39	2.97	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0876	22.175	0.17000	20.646	0.34424	0.15141	39	4.44	4%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0074	20.390	0.88000	20.646	0.34424	0.15141	39	-0.74	1%	1
002.08	Protein, Cu/Ti (%)	0098	19.135	1.4700				2			0
002.08	Protein, Cu/Ti (%)	0208	20.200	0.20000				2			0
002.11	Protein, NIR (%)	0613	21.985	0.23000				1			0

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002.99	Protein, Miscellaneous (%)	0970	20.500	1.0000	20.750	0.14142	0.40000	3			0
002.99	Protein, Miscellaneous (%)	2004	20.650	0.10000	20.750	0.14142	0.40000	3			0
002.99	Protein, Miscellaneous (%)	0969	20.850	0.10000	20.750	0.14142	0.40000	3			0
003.00	Fat, Eth Ext., Direct (%)	2115	13.500	0.16000	14.366	0.76723	0.14601	8	-1.13	3%	0
003.00	Fat, Eth Ext., Direct (%)	0876	13.705	0.09000	14.366	0.76723	0.14601	8	-0.86	2%	0
003.00	Fat, Eth Ext., Direct (%)	0017	13.915	0.09000	14.366	0.76723	0.14601	8	-0.59	2%	0
003.00	Fat, Eth Ext., Direct (%)	0309	14.213	0.07810	14.366	0.76723	0.14601	8	-0.20	1%	0
003.00	Fat, Eth Ext., Direct (%)	0026	14.390	0.02000	14.366	0.76723	0.14601	8	0.03	0%	0
003.00	Fat, Eth Ext., Direct (%)	0035	14.790	0.48000	14.366	0.76723	0.14601	8	0.55	1%	0
003.00	Fat, Eth Ext., Direct (%)	2033	14.900	0.20000	14.366	0.76723	0.14601	8	0.70	2%	0
003.00	Fat, Eth Ext., Direct (%)	2058	16.405	0.05000	14.366	0.76723	0.14601	8	2.66	7%	0
003.01	Fat, Ind Eth Ext (13th ed.), Indirect (%)	0504	13.800	0.74000				1			0
003.06	Fat, Pet Ether (%)	2033	14.000	0.00000	14.241	0.30947	0.43250	4	-0.78	1%	0
003.06	Fat, Pet Ether (%)	0164	14.050	0.28000	14.241	0.30947	0.43250	4	-0.62	1%	0
003.06	Fat, Pet Ether (%)	0511	14.235	0.33000	14.241	0.30947	0.43250	4	-0.02	0%	0
003.06	Fat, Pet Ether (%)	0074	14.680	1.1200	14.241	0.30947	0.43250	4	1.42	2%	0
003.09	Fat, Soxtec, Eth Ext (%)	0098	14.045	0.15000	14.099	0.05648	0.11750	4	-0.95	0%	0
003.09	Fat, Soxtec, Eth Ext (%)	0027	14.055	0.03000	14.099	0.05648	0.11750	4	-0.77	0%	0
003.09	Fat, Soxtec, Eth Ext (%)	0512	14.145	0.19000	14.099	0.05648	0.11750	4	0.82	0%	0
003.09	Fat, Soxtec, Eth Ext (%)	0510	14.150	0.10000	14.099	0.05648	0.11750	4	0.91	0%	0
003.10	Fat, Soxtec, Pet Ether (%)	0870	13.146	0.03310	13.441	0.24631	0.11530	5	-1.20	1%	0
003.10	Fat, Soxtec, Pet Ether (%)	0051	13.250	0.30000	13.441	0.24631	0.11530	5	-0.78	1%	0
003.10	Fat, Soxtec, Pet Ether (%)	0553	13.485	0.11000	13.441	0.24631	0.11530	5	0.18	0%	0
003.10	Fat, Soxtec, Pet Ether (%)	0098	13.565	0.11000	13.441	0.24631	0.11530	5	0.50	0%	0
003.10	Fat, Soxtec, Pet Ether (%)	2124	13.760	0.02340	13.441	0.24631	0.11530	5	1.30	1%	0
003.10	Fat, Soxtec, Pet Ether (%)	2089	14.195	0.89000	13.441	0.24631	0.11530	5	3.06	3%	1
003.12	Fat, Hexane Ext (%)	2062	14.105	0.19000				2			0
003.12	Fat, Hexane Ext (%)	0171	14.380	0.06000				2			0
003.13	Fat, Soxtec, Hexane Ext. (%)	0033	13.650	0.30000				2			0
003.13	Fat, Soxtec, Hexane Ext. (%)	0098	13.795	0.01000				2			0
003.14	Fat, Ankom (%)	0202	13.560	0.00000	13.956	0.48212	0.14486	7	-0.82	1%	0
003.14	Fat, Ankom (%)	0613	13.575	0.01000	13.956	0.48212	0.14486	7	-0.79	1%	0
003.14	Fat, Ankom (%)	0034	13.620	0.46000	13.956	0.48212	0.14486	7	-0.70	1%	0
003.14	Fat, Ankom (%)	0003	13.840	0.24000	13.956	0.48212	0.14486	7	-0.24	0%	0
003.14	Fat, Ankom (%)	0407	14.158	0.28400	13.956	0.48212	0.14486	7	0.42	1%	0
003.14	Fat, Ankom (%)	0015	14.260	0.00000	13.956	0.48212	0.14486	7	0.63	1%	0
003.14	Fat, Ankom (%)	2058	16.310	0.02000	13.956	0.48212	0.14486	7	4.88	8%	0
003.99	Fat, Miscellaneous (%)	0047	13.455	0.01000				1			0
004.00	Fiber, Crude, Asbestos Free (%)	0969	35.000	0.20000	37.049	2.1232	0.40221	11	-0.97	3%	0
004.00	Fiber, Crude, Asbestos Free (%)	2004	35.650	0.30000	37.049	2.1232	0.40221	11	-0.66	2%	0
004.00	Fiber, Crude, Asbestos Free (%)	0208	35.800	0.80000	37.049	2.1232	0.40221	11	-0.59	2%	0
004.00	Fiber, Crude, Asbestos Free (%)	2023	35.915	0.23000	37.049	2.1232	0.40221	11	-0.53	2%	0

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004.00	Fiber, Crude, Asbestos Free (%)	0164	36.000	0.40000	37.049	2.1232	0.40221	11	-0.49	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	0511	36.400	0.00000	37.049	2.1232	0.40221	11	-0.31	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	0504	36.465	0.43000	37.049	2.1232	0.40221	11	-0.28	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	0309	36.758	0.13430	37.049	2.1232	0.40221	11	-0.14	0%	0
004.00	Fiber, Crude, Asbestos Free (%)	0943	39.255	0.65000	37.049	2.1232	0.40221	11	1.04	3%	0
004.00	Fiber, Crude, Asbestos Free (%)	0171	40.065	0.41000	37.049	2.1232	0.40221	11	1.42	4%	0
004.00	Fiber, Crude, Asbestos Free (%)	0017	41.565	0.87000	37.049	2.1232	0.40221	11	2.13	6%	0
004.03	Fiber, Fritted Glass (%)	2089	28.795	0.97000	33.247	3.8789	0.43333	3			0
004.03	Fiber, Fritted Glass (%)	2058	35.045	0.03000	33.247	3.8789	0.43333	3			0
004.03	Fiber, Fritted Glass (%)	2033	35.900	0.30000	33.247	3.8789	0.43333	3			0
004.06	Fiber, Fibertec (%)	2115	35.455	0.07000	36.227	1.1773	0.54833	6	-0.66	1%	0
004.06	Fiber, Fibertec (%)	0027	35.515	0.37000	36.227	1.1773	0.54833	6	-0.60	1%	0
004.06	Fiber, Fibertec (%)	0098	35.675	0.65000	36.227	1.1773	0.54833	6	-0.47	1%	0
004.06	Fiber, Fibertec (%)	2062	35.720	0.38000	36.227	1.1773	0.54833	6	-0.43	1%	0
004.06	Fiber, Fibertec (%)	0512	37.005	0.63000	36.227	1.1773	0.54833	6	0.66	1%	0
004.06	Fiber, Fibertec (%)	0845	40.945	1.1900	36.227	1.1773	0.54833	6	4.01	7%	0
004.07	Fiber, ANKOM (%)	2058	32.625	0.07000	36.897	1.9126	0.52065	17	-2.23	6%	0
004.07	Fiber, ANKOM (%)	0510	34.450	0.30000	36.897	1.9126	0.52065	17	-1.28	3%	0
004.07	Fiber, ANKOM (%)	0035	34.715	1.5300	36.897	1.9126	0.52065	17	-1.14	3%	0
004.07	Fiber, ANKOM (%)	0026	35.455	0.13000	36.897	1.9126	0.52065	17	-0.75	2%	0
004.07	Fiber, ANKOM (%)	0074	35.520	0.68000	36.897	1.9126	0.52065	17	-0.72	2%	0
004.07	Fiber, ANKOM (%)	0003	35.910	0.00000	36.897	1.9126	0.52065	17	-0.52	1%	0
004.07	Fiber, ANKOM (%)	0407	36.488	0.35220	36.897	1.9126	0.52065	17	-0.21	1%	0
004.07	Fiber, ANKOM (%)	0098	36.765	0.83000	36.897	1.9126	0.52065	17	-0.07	0%	0
004.07	Fiber, ANKOM (%)	0876	37.100	0.40000	36.897	1.9126	0.52065	17	0.11	0%	0
004.07	Fiber, ANKOM (%)	0033	37.200	0.60000	36.897	1.9126	0.52065	17	0.16	0%	0
004.07	Fiber, ANKOM (%)	0042	37.770	1.1600	36.897	1.9126	0.52065	17	0.46	1%	0
004.07	Fiber, ANKOM (%)	0034	38.075	0.29000	36.897	1.9126	0.52065	17	0.62	2%	0
004.07	Fiber, ANKOM (%)	0202	38.120	0.24000	36.897	1.9126	0.52065	17	0.64	2%	0
004.07	Fiber, ANKOM (%)	0870	38.205	0.23030	36.897	1.9126	0.52065	17	0.68	2%	0
004.07	Fiber, ANKOM (%)	2125	38.605	1.0100	36.897	1.9126	0.52065	17	0.89	2%	0
004.07	Fiber, ANKOM (%)	0613	39.080	0.36000	36.897	1.9126	0.52065	17	1.14	3%	0
004.07	Fiber, ANKOM (%)	2124	40.944	0.66860	36.897	1.9126	0.52065	17	2.12	5%	0
004.07	Fiber, ANKOM (%)	0553	35.400	3.6800	36.897	1.9126	0.52065	17	-0.78	2%	1
004.11	Fiber, NIR (%)	0613	8.7650	0.07000				1			0
005.00	Ash, 2h @ 600°C (%)	0026	3.2300	0.04000	3.3728	0.06254	0.04074	33	-2.28	2%	0
005.00	Ash, 2h @ 600°C (%)	0034	3.2345	0.03620	3.3728	0.06254	0.04074	33	-2.21	2%	0
005.00	Ash, 2h @ 600°C (%)	2050	3.2650	0.13000	3.3728	0.06254	0.04074	33	-1.72	2%	0
005.00	Ash, 2h @ 600°C (%)	0042	3.2800	0.06000	3.3728	0.06254	0.04074	33	-1.48	1%	0
005.00	Ash, 2h @ 600°C (%)	0957	3.2850	0.11000	3.3728	0.06254	0.04074	33	-1.40	1%	0
005.00	Ash, 2h @ 600°C (%)	0001	3.2926	0.01720	3.3728	0.06254	0.04074	33	-1.28	1%	0
005.00	Ash, 2h @ 600°C (%)	0208	3.3100	0.04000	3.3728	0.06254	0.04074	33	-1.00	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	
005.00	Ash, 2h @ 600°C (%)	0098	3.3250	0.05000	3.3728	0.06254	0.04074	33	-0.76	1%	0
005.00	Ash, 2h @ 600°C (%)	0960	3.3450	0.03000	3.3728	0.06254	0.04074	33	-0.44	0%	0
005.00	Ash, 2h @ 600°C (%)	0051	3.3500	0.10000	3.3728	0.06254	0.04074	33	-0.36	0%	0
005.00	Ash, 2h @ 600°C (%)	2089	3.3550	0.03000	3.3728	0.06254	0.04074	33	-0.28	0%	0
005.00	Ash, 2h @ 600°C (%)	0017	3.3650	0.09000	3.3728	0.06254	0.04074	33	-0.12	0%	0
005.00	Ash, 2h @ 600°C (%)	0309	3.3720	0.02200	3.3728	0.06254	0.04074	33	-0.01	0%	0
005.00	Ash, 2h @ 600°C (%)	2115	3.3750	0.05000	3.3728	0.06254	0.04074	33	0.04	0%	0
005.00	Ash, 2h @ 600°C (%)	0650	3.3800	0.10000	3.3728	0.06254	0.04074	33	0.12	0%	0
005.00	Ash, 2h @ 600°C (%)	0870	3.3814	0.02590	3.3728	0.06254	0.04074	33	0.14	0%	0
005.00	Ash, 2h @ 600°C (%)	0027	3.3835	0.01500	3.3728	0.06254	0.04074	33	0.17	0%	0
005.00	Ash, 2h @ 600°C (%)	0035	3.3850	0.01000	3.3728	0.06254	0.04074	33	0.20	0%	0
005.00	Ash, 2h @ 600°C (%)	0033	3.3900	0.00000	3.3728	0.06254	0.04074	33	0.28	0%	0
005.00	Ash, 2h @ 600°C (%)	0504	3.3950	0.05000	3.3728	0.06254	0.04074	33	0.36	0%	0
005.00	Ash, 2h @ 600°C (%)	0511	3.3950	0.01000	3.3728	0.06254	0.04074	33	0.36	0%	0
005.00	Ash, 2h @ 600°C (%)	0959	3.3950	0.03000	3.3728	0.06254	0.04074	33	0.36	0%	0
005.00	Ash, 2h @ 600°C (%)	0047	3.4000	0.00000	3.3728	0.06254	0.04074	33	0.44	0%	0
005.00	Ash, 2h @ 600°C (%)	0808	3.4100	0.04000	3.3728	0.06254	0.04074	33	0.60	1%	0
005.00	Ash, 2h @ 600°C (%)	0876	3.4100	0.04000	3.3728	0.06254	0.04074	33	0.60	1%	0
005.00	Ash, 2h @ 600°C (%)	0845	3.4150	0.03000	3.3728	0.06254	0.04074	33	0.68	1%	0
005.00	Ash, 2h @ 600°C (%)	0407	3.4173	0.04820	3.3728	0.06254	0.04074	33	0.71	1%	0
005.00	Ash, 2h @ 600°C (%)	0164	3.4200	0.02000	3.3728	0.06254	0.04074	33	0.75	1%	0
005.00	Ash, 2h @ 600°C (%)	0553	3.4300	0.04000	3.3728	0.06254	0.04074	33	0.91	1%	0
005.00	Ash, 2h @ 600°C (%)	0943	3.4350	0.01000	3.3728	0.06254	0.04074	33	0.99	1%	0
005.00	Ash, 2h @ 600°C (%)	2033	3.4350	0.01000	3.3728	0.06254	0.04074	33	0.99	1%	0
005.00	Ash, 2h @ 600°C (%)	0171	3.5050	0.01000	3.3728	0.06254	0.04074	33	2.11	2%	0
005.00	Ash, 2h @ 600°C (%)	0510	3.6950	0.05000	3.3728	0.06254	0.04074	33	5.15	5%	0
005.00	Ash, 2h @ 600°C (%)	0015	3.1950	0.45000	3.3728	0.06254	0.04074	33	-2.84	3%	1
005.05	Ash, 3h @ 550°C (%)	2124	3.4110	0.01010	3.4189	0.01038	0.01583	4	-0.76	0%	0
005.05	Ash, 3h @ 550°C (%)	0845	3.4150	0.03000	3.4189	0.01038	0.01583	4	-0.37	0%	0
005.05	Ash, 3h @ 550°C (%)	2062	3.4306	0.00320	3.4189	0.01038	0.01583	4	1.13	0%	0
005.05	Ash, 3h @ 550°C (%)	2058	3.5400	0.02000	3.4189	0.01038	0.01583	4	11.68	2%	0
005.11	Ash, NIR (%)	0613	6.9950	0.29000				1			0
005.99	Ash, Miscellaneous (%)	0202	3.2500	0.00000	3.3950	0.04431	0.01167	6	-3.27	2%	0
005.99	Ash, Miscellaneous (%)	0613	3.3700	0.02000	3.3950	0.04431	0.01167	6	-0.56	0%	0
005.99	Ash, Miscellaneous (%)	0969	3.3850	0.01000	3.3950	0.04431	0.01167	6	-0.23	0%	0
005.99	Ash, Miscellaneous (%)	0970	3.4050	0.01000	3.3950	0.04431	0.01167	6	0.23	0%	0
005.99	Ash, Miscellaneous (%)	0914	3.4200	0.02000	3.3950	0.04431	0.01167	6	0.56	0%	0
005.99	Ash, Miscellaneous (%)	2023	3.4850	0.01000	3.3950	0.04431	0.01167	6	2.03	1%	0
005.99	Ash, Miscellaneous (%)	2004	3.3300	0.14000	3.3950	0.04431	0.01167	6	-1.47	1%	1
006.01	Total sugars, Mod. Fehling Soln (%)	0407	1.9600	0.02000				1			0
006.99	Total sugars, Miscellaneous (%)	0970	0.71100	0.01000	0.80533	0.09450	0.00867	3			0
006.99	Total sugars, Miscellaneous (%)	2004	0.80500	0.01600	0.80533	0.09450	0.00867	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			
006.99	Total sugars, Miscellaneous (%)	0969	0.90000	0.00000	0.80533	0.09450	0.00867	3			0
008.02	Fiber, Acid Detergent (%)	0098	40.805	0.35000	43.926	4.7641	0.42100	5	-0.66	4%	0
008.02	Fiber, Acid Detergent (%)	0309	41.680	0.04500	43.926	4.7641	0.42100	5	-0.47	3%	0
008.02	Fiber, Acid Detergent (%)	0208	42.200	0.20000	43.926	4.7641	0.42100	5	-0.36	2%	0
008.02	Fiber, Acid Detergent (%)	0504	44.735	1.5100	43.926	4.7641	0.42100	5	0.17	1%	0
008.02	Fiber, Acid Detergent (%)	2115	51.020	0.00000	43.926	4.7641	0.42100	5	1.49	8%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0035	38.735	0.09000	42.537	3.6369	0.72244	8	-1.05	4%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	2004	39.350	0.30000	42.537	3.6369	0.72244	8	-0.88	4%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0164	40.500	0.60000	42.537	3.6369	0.72244	8	-0.56	2%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0026	42.150	0.24000	42.537	3.6369	0.72244	8	-0.11	0%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0870	42.489	1.8971	42.537	3.6369	0.72244	8	-0.01	0%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0407	42.871	0.80240	42.537	3.6369	0.72244	8	0.09	0%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0613	46.300	1.4400	42.537	3.6369	0.72244	8	1.03	4%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0034	47.905	0.41000	42.537	3.6369	0.72244	8	1.48	6%	0
008.99	Fiber, Acid Detergent Miscellaneous (%)	0035	41.685	0.13000				2			0
008.99	Fiber, Acid Detergent Miscellaneous (%)	0613	42.020	2.2200				2			0
009.04	Fiber, Neutral Det-No ENZ Pretreat (%)	0504	50.990	0.38000				1			0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	2115	43.230	0.32000	48.980	5.1940	0.45700	4	-1.11	6%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0098	46.400	0.80000	48.980	5.1940	0.45700	4	-0.50	3%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0309	51.341	0.20800	48.980	5.1940	0.45700	4	0.45	2%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0208	54.950	0.50000	48.980	5.1940	0.45700	4	1.15	6%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0164	46.800	0.20000	49.958	3.4889	0.89327	6	-0.91	3%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	2004	46.800	0.60000	49.958	3.4889	0.89327	6	-0.91	3%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0613	49.530	2.3000	49.958	3.4889	0.89327	6	-0.12	0%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0407	49.822	0.12800	49.958	3.4889	0.89327	6	-0.04	0%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0870	52.069	1.6616	49.958	3.4889	0.89327	6	0.61	2%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0034	54.725	0.47000	49.958	3.4889	0.89327	6	1.37	5%	0
009.99	Fiber, Neutral Det Miscellaneous (%)	0613	52.640	0.22000				1			0
010.03	Moisture, Karl-Fischer (%)	0208	5.3800	0.14000				2			0
010.03	Moisture, Karl-Fischer (%)	0164	5.7200	0.06000				2			0
010.99	Moisture, Miscellaneous (%)	0969	5.2100	0.18000	6.0305	0.79191	0.31286	7	-1.04	7%	0
010.99	Moisture, Miscellaneous (%)	0970	5.4350	0.05000	6.0305	0.79191	0.31286	7	-0.75	5%	0
010.99	Moisture, Miscellaneous (%)	2004	5.5250	0.03000	6.0305	0.79191	0.31286	7	-0.64	4%	0
010.99	Moisture, Miscellaneous (%)	2089	6.1600	0.74000	6.0305	0.79191	0.31286	7	0.16	1%	0
010.99	Moisture, Miscellaneous (%)	0943	6.2050	0.15000	6.0305	0.79191	0.31286	7	0.22	1%	0
010.99	Moisture, Miscellaneous (%)	2122	6.4600	0.14000	6.0305	0.79191	0.31286	7	0.54	4%	0
010.99	Moisture, Miscellaneous (%)	0555	11.250	0.90000	6.0305	0.79191	0.31286	7	6.59	43%	0
011.01	Loss on Drying, 135°C 2hr (%)	2016	5.9800	0.64000	6.6321	0.34679	0.18541	22	-1.88	5%	0
011.01	Loss on Drying, 135°C 2hr (%)	0960	6.1350	0.15000	6.6321	0.34679	0.18541	22	-1.43	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0870	6.2762	0.19950	6.6321	0.34679	0.18541	22	-1.03	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0208	6.3200	0.32000	6.6321	0.34679	0.18541	22	-0.90	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0650	6.3800	0.24000	6.6321	0.34679	0.18541	22	-0.73	2%	0

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011.01	Loss on Drying, 135°C 2hr (%)	0407	6.3888	0.00960	6.6321	0.34679	0.18541	22	-0.70	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0957	6.4050	0.53000	6.6321	0.34679	0.18541	22	-0.65	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0511	6.5050	0.17000	6.6321	0.34679	0.18541	22	-0.37	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0051	6.5300	0.34000	6.6321	0.34679	0.18541	22	-0.29	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0164	6.5950	0.07000	6.6321	0.34679	0.18541	22	-0.11	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0033	6.6100	0.02000	6.6321	0.34679	0.18541	22	-0.06	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0026	6.6300	0.22000	6.6321	0.34679	0.18541	22	-0.01	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0098	6.6900	0.10000	6.6321	0.34679	0.18541	22	0.17	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0171	6.6900	0.08000	6.6321	0.34679	0.18541	22	0.17	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0553	6.7750	0.19000	6.6321	0.34679	0.18541	22	0.41	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0202	6.8250	0.05000	6.6321	0.34679	0.18541	22	0.56	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0510	6.8500	0.10000	6.6321	0.34679	0.18541	22	0.63	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0876	6.8650	0.05000	6.6321	0.34679	0.18541	22	0.67	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0959	6.8950	0.07000	6.6321	0.34679	0.18541	22	0.76	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	2058	7.1250	0.33000	6.6321	0.34679	0.18541	22	1.42	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0309	7.1600	0.00000	6.6321	0.34679	0.18541	22	1.52	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0047	8.9000	0.20000	6.6321	0.34679	0.18541	22	6.54	17%	0
011.02	Loss on Drying, 130°C for 2 hours (%)	2083	5.9530	0.42000				2			0
011.02	Loss on Drying, 130°C for 2 hours (%)	2023	6.9850	0.15000				2			0
011.03	Loss on drying, 130°C, 1 hour, Flour (%)	0808	5.9300	0.04000				1			0
012.00	Starch, Polarimetric (Ewers) (%)	2023	2.3000	0.00000				1			0
012.01	Starch, Megazyme (%)	0613	0.36500	0.05000				2			0
012.01	Starch, Megazyme (%)	0164	0.65000	0.10000				2			0
012.02	Starch, Colorimetric (GOP) (%)	2089	0.42500	0.03000				1			0
012.03	Starch, Enzymatic (%)	0407	0.58380	0.01160				2			0
012.03	Starch, Enzymatic (%)	0098	0.83000	0.30000				2			0
013.00	Fat, Acid hydrolysis (%)	0504	14.900	0.66000	16.368	1.0155	0.26537	9	-1.45	4%	0
013.00	Fat, Acid hydrolysis (%)	0969	15.550	0.10000	16.368	1.0155	0.26537	9	-0.81	2%	0
013.00	Fat, Acid hydrolysis (%)	2004	15.900	0.20000	16.368	1.0155	0.26537	9	-0.46	1%	0
013.00	Fat, Acid hydrolysis (%)	0970	16.070	0.12000	16.368	1.0155	0.26537	9	-0.29	1%	0
013.00	Fat, Acid hydrolysis (%)	0555	16.500	0.40000	16.368	1.0155	0.26537	9	0.13	0%	0
013.00	Fat, Acid hydrolysis (%)	2023	16.525	0.45000	16.368	1.0155	0.26537	9	0.15	0%	0
013.00	Fat, Acid hydrolysis (%)	0098	16.710	0.12000	16.368	1.0155	0.26537	9	0.34	1%	0
013.00	Fat, Acid hydrolysis (%)	0202	17.265	0.09000	16.368	1.0155	0.26537	9	0.88	3%	0
013.00	Fat, Acid hydrolysis (%)	0309	17.916	0.24830	16.368	1.0155	0.26537	9	1.52	5%	0
013.00	Fat, Acid hydrolysis (%)	2016	15.270	2.2400	16.368	1.0155	0.26537	9	-1.08	3%	1
013.02	Fat, Mojonnier, Bak Ext (%)	0808	15.305	0.03000	16.502	0.66309	0.36723	14	-1.81	4%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0171	15.905	0.23000	16.502	0.66309	0.36723	14	-0.90	2%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0870	16.071	0.26300	16.502	0.66309	0.36723	14	-0.65	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0957	16.120	0.28000	16.502	0.66309	0.36723	14	-0.58	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0208	16.150	0.30000	16.502	0.66309	0.36723	14	-0.53	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0051	16.200	1.4000	16.502	0.66309	0.36723	14	-0.46	1%	0

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013.02	Fat, Mojonnier, Bak Ext (%)	0943	16.300	0.00000	16.502	0.66309	0.36723	14	-0.31	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0164	16.610	0.14000	16.502	0.66309	0.36723	14	0.16	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0960	16.610	0.02000	16.502	0.66309	0.36723	14	0.16	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	2058	16.630	0.52000	16.502	0.66309	0.36723	14	0.19	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0959	16.745	1.3700	16.502	0.66309	0.36723	14	0.37	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0650	17.275	0.29000	16.502	0.66309	0.36723	14	1.17	2%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0001	17.411	0.19820	16.502	0.66309	0.36723	14	1.37	3%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0553	18.260	0.10000	16.502	0.66309	0.36723	14	2.65	5%	0
013.10	Fat, Soxtec-Acid Hydrolysis (%)	0845	16.315	0.77000				1			0
013.12	Fat, NIR- Acid Hydrolysis (%)	0613	27.270	0.02000				1			0
013.13	Fat, Ankom- Acid Hydrolysis (%)	0027	15.931	0.00830				2			0
013.13	Fat, Ankom- Acid Hydrolysis (%)	2058	16.850	0.04000				2			0
014.99	Fiber, total dietary TDF, Miscellaneous (%)	0164	51.800	0.60000				1			0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0171	55.250	3.5000				1			0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0510	48.000	2.0000				2			0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	2033	75.250	5.7000				2			0
015.53	Aluminum, ICP-MS, Microwave (mg / kg (ppm))	0553	89.750	10.500				1			0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0510	12.000	0.00000				2			0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0508	23.466	7.2240				2			0
019.00	Calcium, Ox-Mn04 Vol. (%)	2062	0.14600	0.00440				2			0
019.00	Calcium, Ox-Mn04 Vol. (%)	2115	0.20500	0.01000				2			0
019.31	Calcium, AAS, Dry ash (%)	0208	0.15400	0.06000	0.16675	0.00389	0.02300	3			0
019.31	Calcium, AAS, Dry ash (%)	0650	0.16400	0.00800	0.16675	0.00389	0.02300	3			0
019.31	Calcium, AAS, Dry ash (%)	0014	0.16950	0.00100	0.16675	0.00389	0.02300	3			0
019.32	Calcium, AAS, Open vessel (%)	0035	0.17000	0.00000				1			0
019.41	Calcium, ICP, Dry ash (%)	0164	0.14900	0.00400	0.15765	0.00826	0.00592	10	-1.05	3%	0
019.41	Calcium, ICP, Dry ash (%)	0208	0.15150	0.00500	0.15765	0.00826	0.00592	10	-0.75	2%	0
019.41	Calcium, ICP, Dry ash (%)	0051	0.15415	0.00750	0.15765	0.00826	0.00592	10	-0.42	1%	0
019.41	Calcium, ICP, Dry ash (%)	0074	0.15500	0.01000	0.15765	0.00826	0.00592	10	-0.32	1%	0
019.41	Calcium, ICP, Dry ash (%)	0098	0.15500	0.01000	0.15765	0.00826	0.00592	10	-0.32	1%	0
019.41	Calcium, ICP, Dry ash (%)	0171	0.15500	0.01000	0.15765	0.00826	0.00592	10	-0.32	1%	0
019.41	Calcium, ICP, Dry ash (%)	0511	0.15500	0.01000	0.15765	0.00826	0.00592	10	-0.32	1%	0
019.41	Calcium, ICP, Dry ash (%)	0512	0.16180	0.00220	0.15765	0.00826	0.00592	10	0.50	1%	0
019.41	Calcium, ICP, Dry ash (%)	0407	0.17135	0.00050	0.15765	0.00826	0.00592	10	1.66	4%	0
019.41	Calcium, ICP, Dry ash (%)	2089	0.21000	0.00000	0.15765	0.00826	0.00592	10	6.34	17%	0
019.41	Calcium, ICP, Dry ash (%)	0003	0.19500	0.03000	0.15765	0.00826	0.00592	10	4.52	12%	1
019.42	Calcium, ICP, Open vessel (%)	0870	0.13910	0.00180	0.15253	0.01342	0.00098	6	-1.00	4%	0
019.42	Calcium, ICP, Open vessel (%)	0026	0.14055	0.00110	0.15253	0.01342	0.00098	6	-0.89	4%	0
019.42	Calcium, ICP, Open vessel (%)	0555	0.15000	0.00000	0.15253	0.01342	0.00098	6	-0.19	1%	0
019.42	Calcium, ICP, Open vessel (%)	0042	0.15550	0.00300	0.15253	0.01342	0.00098	6	0.22	1%	0
019.42	Calcium, ICP, Open vessel (%)	0035	0.16000	0.00000	0.15253	0.01342	0.00098	6	0.56	2%	0
019.42	Calcium, ICP, Open vessel (%)	0202	0.17000	0.00000	0.15253	0.01342	0.00098	6	1.30	6%	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			
019.42	Calcium, ICP, Open vessel (%)	0613	0.15500	0.01000	0.15253	0.01342	0.00098	6	0.18	1%	1
019.43	Calcium, ICP, Microwave (%)	2023	0.14750	0.00500	0.16387	0.01168	0.00768	10	-1.40	5%	0
019.43	Calcium, ICP, Microwave (%)	0510	0.15500	0.01000	0.16387	0.01168	0.00768	10	-0.76	3%	0
019.43	Calcium, ICP, Microwave (%)	2058	0.15600	0.00800	0.16387	0.01168	0.00768	10	-0.67	2%	0
019.43	Calcium, ICP, Microwave (%)	0034	0.16085	0.00810	0.16387	0.01168	0.00768	10	-0.26	1%	0
019.43	Calcium, ICP, Microwave (%)	2124	0.16105	0.00090	0.16387	0.01168	0.00768	10	-0.24	1%	0
019.43	Calcium, ICP, Microwave (%)	0017	0.16450	0.00900	0.16387	0.01168	0.00768	10	0.05	0%	0
019.43	Calcium, ICP, Microwave (%)	0033	0.16500	0.01000	0.16387	0.01168	0.00768	10	0.10	0%	0
019.43	Calcium, ICP, Microwave (%)	0098	0.17000	0.00000	0.16387	0.01168	0.00768	10	0.52	2%	0
019.43	Calcium, ICP, Microwave (%)	0508	0.17740	0.01580	0.16387	0.01168	0.00768	10	1.16	4%	0
019.43	Calcium, ICP, Microwave (%)	0027	0.22100	0.01000	0.16387	0.01168	0.00768	10	4.89	17%	0
019.43	Calcium, ICP, Microwave (%)	2033	1,608.0	10.000	0.16387	0.01168	0.00768	10	137646.22	490586%	2
019.44	Calcium, ICP, Dry ash (%)	2004	0.15300	0.00800	0.17010	0.01690	2.0063	5	-1.01	5%	0
019.44	Calcium, ICP, Dry ash (%)	0970	0.16000	0.00000	0.17010	0.01690	2.0063	5	-0.60	3%	0
019.44	Calcium, ICP, Dry ash (%)	2122	0.17690	0.02080	0.17010	0.01690	2.0063	5	0.40	2%	0
019.44	Calcium, ICP, Dry ash (%)	2114	0.19050	0.00260	0.17010	0.01690	2.0063	5	1.21	6%	0
019.44	Calcium, ICP, Dry ash (%)	0969	1,505.0	10.000	0.17010	0.01690	2.0063	5	89043.71	442337%	0
019.52	Calcium, ICP-MS, Open vessel (%)	0047	0.12500	0.01000				1			0
019.53	Calcium, ICP-MS, Microwave (%)	0553	0.17500	0.00200				1			0
021.41	Cobalt, ICP, Dry ash (mg / kg (ppm))	0171	0.30000	0.00000				1			0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0508	0.17565	0.04310				1			0
021.52	Cobalt, ICP-MS, Open vessel (mg / kg (ppm))	0555	0.16500	0.01000				1			0
021.53	Cobalt, ICP-MS, Microwave (mg / kg (ppm))	0553	0.33650	0.00300				1			0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0208	6.4800	3.4200				2			0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	2062	17.500	1.0000				2			0
022.32	Copper, AAS, Open vessel (mg / kg (ppm))	0035	15.500	1.0000				1			0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0511	9.0000	0.00000	10.526	1.1757	0.58525	10	-1.30	7%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0208	9.5695	0.22700	10.526	1.1757	0.58525	10	-0.81	5%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0164	9.8000	0.20000	10.526	1.1757	0.58525	10	-0.62	3%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	2089	9.9800	0.32000	10.526	1.1757	0.58525	10	-0.46	3%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0098	10.105	0.27000	10.526	1.1757	0.58525	10	-0.36	2%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0407	10.426	1.2055	10.526	1.1757	0.58525	10	-0.09	0%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0074	11.000	0.00000	10.526	1.1757	0.58525	10	0.40	2%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0512	11.490	1.3400	10.526	1.1757	0.58525	10	0.82	5%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0171	11.600	0.20000	10.526	1.1757	0.58525	10	0.91	5%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0051	13.085	2.0900	10.526	1.1757	0.58525	10	2.18	12%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0003	17.500	7.0000	10.526	1.1757	0.58525	10	5.93	33%	1
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0026	0.00085	0.00010	10.438	2.7108	0.48716	7	-3.85	50%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0613	8.6800	1.1400	10.438	2.7108	0.48716	7	-0.65	8%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0555	9.9000	0.20000	10.438	2.7108	0.48716	7	-0.20	3%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0870	10.600	0.72000	10.438	2.7108	0.48716	7	0.06	1%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0035	12.000	0.00000	10.438	2.7108	0.48716	7	0.58	7%	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			
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0042	12.000	0.40000	10.438	2.7108	0.48716	7	0.58	7%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0202	13.515	0.95000	10.438	2.7108	0.48716	7	1.14	15%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0033	8.0250	1.9900	10.465	2.2346	1.0081	7	-1.09	12%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0017	8.0500	0.78000	10.465	2.2346	1.0081	7	-1.08	12%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0510	10.000	0.00000	10.465	2.2346	1.0081	7	-0.21	2%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0098	10.080	0.38000	10.465	2.2346	1.0081	7	-0.17	2%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	2058	11.935	3.6300	10.465	2.2346	1.0081	7	0.66	7%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0508	12.454	0.26600	10.465	2.2346	1.0081	7	0.89	10%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	2124	12.708	0.01090	10.465	2.2346	1.0081	7	1.00	11%	0
022.44	Copper, ICP, Dry ash (mg / kg (ppm))	2114	9.5874	0.30400	9.8819	0.32731	0.59600	4	-0.90	1%	0
022.44	Copper, ICP, Dry ash (mg / kg (ppm))	0969	9.7800	0.44000	9.8819	0.32731	0.59600	4	-0.31	1%	0
022.44	Copper, ICP, Dry ash (mg / kg (ppm))	2004	9.8100	0.34000	9.8819	0.32731	0.59600	4	-0.22	0%	0
022.44	Copper, ICP, Dry ash (mg / kg (ppm))	0970	10.350	1.3000	9.8819	0.32731	0.59600	4	1.43	2%	0
022.52	Copper, ICP-MS, Open vessel (mg / kg (ppm))	0047	9.0050	0.33000				2			0
022.52	Copper, ICP-MS, Open vessel (mg / kg (ppm))	0555	9.9000	0.20000				2			0
022.53	Copper, ICP-MS, Microwave (mg / kg (ppm))	0553	10.550	0.10000				2			0
022.53	Copper, ICP-MS, Microwave (mg / kg (ppm))	2023	11.300	0.20000				2			0
024.99	Iodine, Miscellaneous (mg / kg (ppm))	2004	0.10600	0.00400	0.12017	0.01451	0.02233	3			0
024.99	Iodine, Miscellaneous (mg / kg (ppm))	0969	0.11950	0.01300	0.12017	0.01451	0.02233	3			0
024.99	Iodine, Miscellaneous (mg / kg (ppm))	0970	0.13500	0.05000	0.12017	0.01451	0.02233	3			0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0014	164.50	3.0000	188.95	21.302	4.7667	3			0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	2062	198.85	0.30000	188.95	21.302	4.7667	3			0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0208	203.50	11.000	188.95	21.302	4.7667	3			0
025.32	Iron, AAS, Open vessel (mg / kg (ppm))	0035	311.00	20.000				1			0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	2114	185.67	3.4379	202.41	10.923	8.5769	14	-1.53	4%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0098	190.65	11.500	202.41	10.923	8.5769	14	-1.08	3%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0511	192.50	5.0000	202.41	10.923	8.5769	14	-0.91	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0051	196.00	18.000	202.41	10.923	8.5769	14	-0.59	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0969	197.00	2.0000	202.41	10.923	8.5769	14	-0.49	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0208	197.05	27.900	202.41	10.923	8.5769	14	-0.49	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0171	202.50	5.0000	202.41	10.923	8.5769	14	0.01	0%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0970	205.00	10.000	202.41	10.923	8.5769	14	0.24	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0512	205.45	3.9000	202.41	10.923	8.5769	14	0.28	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0074	207.50	9.0000	202.41	10.923	8.5769	14	0.47	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0164	207.50	1.0000	202.41	10.923	8.5769	14	0.47	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	2004	212.50	11.000	202.41	10.923	8.5769	14	0.92	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0407	215.22	1.3393	202.41	10.923	8.5769	14	1.17	3%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0003	221.50	11.000	202.41	10.923	8.5769	14	1.75	5%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0026	0.02890	0.00140	175.38	119.52	12.084	6	-1.47	50%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0613	144.20	22.800	175.38	119.52	12.084	6	-0.26	9%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0555	180.00	0.00000	175.38	119.52	12.084	6	0.04	1%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0870	192.55	8.7000	175.38	119.52	12.084	6	0.14	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	
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0042	211.00	16.000	175.38	119.52	12.084	6	0.30	10%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0035	324.50	25.000	175.38	119.52	12.084	6	1.25	43%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2124	0.19030	0.01200	199.76	33.736	13.684	10	-5.92	50%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2023	171.50	7.0000	199.76	33.736	13.684	10	-0.84	7%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2033	178.50	23.000	199.76	33.736	13.684	10	-0.63	5%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0017	184.83	2.3180	199.76	33.736	13.684	10	-0.44	4%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0510	200.00	2.0000	199.76	33.736	13.684	10	0.01	0%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0098	203.20	3.0000	199.76	33.736	13.684	10	0.10	1%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0027	213.54	13.300	199.76	33.736	13.684	10	0.41	3%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0033	217.50	43.000	199.76	33.736	13.684	10	0.53	4%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2058	229.04	22.310	199.76	33.736	13.684	10	0.87	7%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0508	264.97	20.900	199.76	33.736	13.684	10	1.93	16%	0
025.52	Iron, ICP-MS, Open vessel (mg / kg (ppm))	0047	144.75	8.1000				2			0
025.52	Iron, ICP-MS, Open vessel (mg / kg (ppm))	0555	175.00	10.000				2			0
025.53	Iron, ICP-MS, Microwave (mg / kg (ppm))	0553	212.50	5.0000				1			0
027.31	Magnesium, AAS, Dry ash (%)	0650	0.26655	0.00570	0.27002	0.00348	0.00423	3			0
027.31	Magnesium, AAS, Dry ash (%)	0014	0.27000	0.00200	0.27002	0.00348	0.00423	3			0
027.31	Magnesium, AAS, Dry ash (%)	0208	0.27350	0.00500	0.27002	0.00348	0.00423	3			0
027.32	Magnesium, AAS, Open vessel (%)	0035	0.26000	0.00000				1			0
027.41	Magnesium, ICP, Dry ash (%)	0051	0.25350	0.00520	0.26740	0.01011	0.00618	11	-1.37	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0164	0.25850	0.00100	0.26740	0.01011	0.00618	11	-0.88	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0407	0.25960	0.00560	0.26740	0.01011	0.00618	11	-0.77	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0511	0.26000	0.00000	0.26740	0.01011	0.00618	11	-0.73	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0003	0.26500	0.01000	0.26740	0.01011	0.00618	11	-0.24	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0074	0.27000	0.00000	0.26740	0.01011	0.00618	11	0.26	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0098	0.27000	0.02000	0.26740	0.01011	0.00618	11	0.26	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0171	0.27050	0.00300	0.26740	0.01011	0.00618	11	0.31	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0512	0.27420	0.01020	0.26740	0.01011	0.00618	11	0.67	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0208	0.27750	0.00300	0.26740	0.01011	0.00618	11	1.00	2%	0
027.41	Magnesium, ICP, Dry ash (%)	2089	0.29500	0.01000	0.26740	0.01011	0.00618	11	2.73	5%	0
027.42	Magnesium, ICP, Open vessel (%)	0026	0.23515	0.00170	0.26727	0.02455	0.00666	7	-1.31	6%	0
027.42	Magnesium, ICP, Open vessel (%)	0555	0.24000	0.00000	0.26727	0.02455	0.00666	7	-1.11	5%	0
027.42	Magnesium, ICP, Open vessel (%)	0870	0.26475	0.01290	0.26727	0.02455	0.00666	7	-0.10	0%	0
027.42	Magnesium, ICP, Open vessel (%)	0035	0.28000	0.00000	0.26727	0.02455	0.00666	7	0.52	2%	0
027.42	Magnesium, ICP, Open vessel (%)	0202	0.28000	0.00000	0.26727	0.02455	0.00666	7	0.52	2%	0
027.42	Magnesium, ICP, Open vessel (%)	0042	0.28100	0.01200	0.26727	0.02455	0.00666	7	0.56	3%	0
027.42	Magnesium, ICP, Open vessel (%)	0613	0.29000	0.02000	0.26727	0.02455	0.00666	7	0.93	4%	0
027.43	Magnesium, ICP, Microwave (%)	2058	0.25550	0.00700	0.27106	0.00684	0.00473	9	-2.28	3%	0
027.43	Magnesium, ICP, Microwave (%)	2023	0.26400	0.01000	0.27106	0.00684	0.00473	9	-1.03	1%	0
027.43	Magnesium, ICP, Microwave (%)	0033	0.27000	0.00000	0.27106	0.00684	0.00473	9	-0.15	0%	0
027.43	Magnesium, ICP, Microwave (%)	0034	0.27050	0.00080	0.27106	0.00684	0.00473	9	-0.08	0%	0
027.43	Magnesium, ICP, Microwave (%)	2124	0.27090	0.00080	0.27106	0.00684	0.00473	9	-0.02	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			
027.43	Magnesium, ICP, Microwave (%)	0027	0.27200	0.00400	0.27106	0.00684	0.00473	9	0.14	0%	0
027.43	Magnesium, ICP, Microwave (%)	0098	0.27500	0.01000	0.27106	0.00684	0.00473	9	0.58	1%	0
027.43	Magnesium, ICP, Microwave (%)	0510	0.27500	0.01000	0.27106	0.00684	0.00473	9	0.58	1%	0
027.43	Magnesium, ICP, Microwave (%)	0017	0.31400	0.00000	0.27106	0.00684	0.00473	9	6.28	8%	0
027.43	Magnesium, ICP, Microwave (%)	0508	0.31345	0.04310	0.27106	0.00684	0.00473	9	6.20	8%	1
027.44	Magnesium, ICP, Dry ash (%)	0969	0.26600	0.00400	0.27515	0.01008	0.00690	4	-0.91	2%	0
027.44	Magnesium, ICP, Dry ash (%)	2114	0.26760	0.00960	0.27515	0.01008	0.00690	4	-0.75	1%	0
027.44	Magnesium, ICP, Dry ash (%)	0970	0.28000	0.00000	0.27515	0.01008	0.00690	4	0.48	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2004	0.28700	0.01400	0.27515	0.01008	0.00690	4	1.18	2%	0
027.52	Magnesium, ICP-MS, Open vessel (%)	0047	0.24500	0.01000				1			0
027.53	Magnesium, ICP-MS, Microwave (%)	0553	0.30200	0.02000				1			0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0208	39.250	0.10000				2			0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	2062	39.950	0.10000				2			0
028.32	Manganese, AAS, Open vessel (mg / kg (ppm))	0035	50.000	4.0000				1			0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0511	38.500	1.0000	42.009	1.3416	0.84160	11	-2.62	4%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0051	40.695	0.43000	42.009	1.3416	0.84160	11	-0.98	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0171	40.800	0.60000	42.009	1.3416	0.84160	11	-0.90	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0003	42.000	2.0000	42.009	1.3416	0.84160	11	-0.01	0%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0164	42.000	0.00000	42.009	1.3416	0.84160	11	-0.01	0%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0208	42.015	1.2700	42.009	1.3416	0.84160	11	0.00	0%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0098	42.040	0.64000	42.009	1.3416	0.84160	11	0.02	0%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0512	42.465	1.6500	42.009	1.3416	0.84160	11	0.34	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	2089	42.565	0.21000	42.009	1.3416	0.84160	11	0.41	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0074	43.500	1.0000	42.009	1.3416	0.84160	11	1.11	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0407	47.284	0.45760	42.009	1.3416	0.84160	11	3.93	6%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0026	0.00425	0.00050	40.168	6.3207	1.1972	7	-6.35	50%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0613	35.970	4.5200	40.168	6.3207	1.1972	7	-0.66	5%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0870	38.525	1.9100	40.168	6.3207	1.1972	7	-0.26	2%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0555	40.500	1.0000	40.168	6.3207	1.1972	7	0.05	0%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0202	44.495	0.95000	40.168	6.3207	1.1972	7	0.68	5%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0042	45.000	0.00000	40.168	6.3207	1.1972	7	0.76	6%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0035	46.000	0.00000	40.168	6.3207	1.1972	7	0.92	7%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0033	36.300	1.6000	42.551	5.2547	1.4779	8	-1.19	7%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2058	37.930	0.86000	42.551	5.2547	1.4779	8	-0.88	5%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0510	40.000	0.00000	42.551	5.2547	1.4779	8	-0.49	3%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2023	41.400	2.4000	42.551	5.2547	1.4779	8	-0.22	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0034	43.600	1.2600	42.551	5.2547	1.4779	8	0.20	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0098	44.170	0.34000	42.551	5.2547	1.4779	8	0.31	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0508	46.575	5.3620	42.551	5.2547	1.4779	8	0.77	5%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2124	54.919	0.00140	42.551	5.2547	1.4779	8	2.35	15%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0017	51.272	16.293	42.551	5.2547	1.4779	8	1.66	10%	1
028.44	Manganese, ICP, Dry ash (mg / kg (ppm))	2114	39.820	0.88000	41.680	1.9556	0.87000	4	-0.95	2%	0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
028.44	Manganese, ICP, Dry ash (mg / kg (ppm))	0969	40.200	0.80000	41.680	1.9556	0.87000	4	-0.76	2%	0
028.44	Manganese, ICP, Dry ash (mg / kg (ppm))	0970	43.000	0.00000	41.680	1.9556	0.87000	4	0.67	2%	0
028.44	Manganese, ICP, Dry ash (mg / kg (ppm))	2004	43.700	1.8000	41.680	1.9556	0.87000	4	1.03	2%	0
028.52	Manganese, ICP-MS, Open vessel (mg / kg (ppm))	0047	37.400	2.2000				2			0
028.52	Manganese, ICP-MS, Open vessel (mg / kg (ppm))	0555	42.500	1.0000				2			0
028.53	Manganese, ICP-MS, Microwave (mg / kg (ppm))	0553	44.850	1.1000				1			0
031.01	Phosphorus, Photometric (%)	2058	0.48500	0.03000	0.53571	0.04185	0.01271	7	-1.21	5%	0
031.01	Phosphorus, Photometric (%)	2115	0.51000	0.00000	0.53571	0.04185	0.01271	7	-0.61	2%	0
031.01	Phosphorus, Photometric (%)	2062	0.52450	0.00500	0.53571	0.04185	0.01271	7	-0.27	1%	0
031.01	Phosphorus, Photometric (%)	0208	0.53200	0.00400	0.53571	0.04185	0.01271	7	-0.09	0%	0
031.01	Phosphorus, Photometric (%)	0650	0.53500	0.01000	0.53571	0.04185	0.01271	7	-0.02	0%	0
031.01	Phosphorus, Photometric (%)	0511	0.56500	0.01000	0.53571	0.04185	0.01271	7	0.70	3%	0
031.01	Phosphorus, Photometric (%)	0035	0.65500	0.03000	0.53571	0.04185	0.01271	7	2.85	11%	0
031.03	Phosphorus, Autoanalyzer (%)	0047	0.50000	0.02000				2			0
031.03	Phosphorus, Autoanalyzer (%)	0504	0.52500	0.01000				2			0
031.41	Phosphorus, ICP, Dry ash (%)	0051	0.49985	0.01450	0.52496	0.01290	0.00878	9	-1.95	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0171	0.51500	0.01000	0.52496	0.01290	0.00878	9	-0.77	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0208	0.51700	0.01000	0.52496	0.01290	0.00878	9	-0.62	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0098	0.52270	0.00620	0.52496	0.01290	0.00878	9	-0.18	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	2089	0.52500	0.01000	0.52496	0.01290	0.00878	9	0.00	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0074	0.53000	0.00000	0.52496	0.01290	0.00878	9	0.39	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0164	0.53000	0.00000	0.52496	0.01290	0.00878	9	0.39	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0512	0.53750	0.01120	0.52496	0.01290	0.00878	9	0.97	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0407	0.54185	0.01710	0.52496	0.01290	0.00878	9	1.31	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0003	0.56500	0.07000	0.52496	0.01290	0.00878	9	3.10	4%	1
031.42	Phosphorus, ICP, Open vessel (%)	0026	0.40785	0.00250	0.49244	0.02800	0.00794	7	-3.02	9%	0
031.42	Phosphorus, ICP, Open vessel (%)	0870	0.47765	0.01110	0.49244	0.02800	0.00794	7	-0.53	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0042	0.48550	0.00100	0.49244	0.02800	0.00794	7	-0.25	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0014	0.49350	0.00100	0.49244	0.02800	0.00794	7	0.04	0%	0
031.42	Phosphorus, ICP, Open vessel (%)	0035	0.50000	0.02000	0.49244	0.02800	0.00794	7	0.27	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0202	0.51500	0.01000	0.49244	0.02800	0.00794	7	0.81	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0613	0.52500	0.01000	0.49244	0.02800	0.00794	7	1.16	3%	0
031.42	Phosphorus, ICP, Open vessel (%)	0555	0.50500	0.05000	0.49244	0.02800	0.00794	7	0.45	1%	1
031.43	Phosphorus, ICP, Microwave (%)	0034	0.49620	0.01720	0.54023	0.03561	0.01673	11	-1.24	4%	0
031.43	Phosphorus, ICP, Microwave (%)	2058	0.50000	0.00000	0.54023	0.03561	0.01673	11	-1.13	4%	0
031.43	Phosphorus, ICP, Microwave (%)	0033	0.51500	0.01000	0.54023	0.03561	0.01673	11	-0.71	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0510	0.51500	0.01000	0.54023	0.03561	0.01673	11	-0.71	2%	0
031.43	Phosphorus, ICP, Microwave (%)	2124	0.52910	0.00020	0.54023	0.03561	0.01673	11	-0.31	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0027	0.53550	0.00500	0.54023	0.03561	0.01673	11	-0.13	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0017	0.55800	0.05600	0.54023	0.03561	0.01673	11	0.50	2%	0
031.43	Phosphorus, ICP, Microwave (%)	2023	0.56250	0.02700	0.54023	0.03561	0.01673	11	0.63	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0508	0.57635	0.04790	0.54023	0.03561	0.01673	11	1.01	3%	0

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031.43	Phosphorus, ICP, Microwave (%)	0098	0.57735	0.00770	0.54023	0.03561	0.01673	11	1.04	3%	0
031.43	Phosphorus, ICP, Microwave (%)	2033	0.57750	0.00300	0.54023	0.03561	0.01673	11	1.05	3%	0
031.44	Phosphorus, ICP, Dry ash (%)	2114	0.43150	0.01100	0.49200	0.04345	0.01600	4	-1.39	6%	0
031.44	Phosphorus, ICP, Dry ash (%)	2004	0.50000	0.02200	0.49200	0.04345	0.01600	4	0.18	1%	0
031.44	Phosphorus, ICP, Dry ash (%)	0969	0.50150	0.00100	0.49200	0.04345	0.01600	4	0.22	1%	0
031.44	Phosphorus, ICP, Dry ash (%)	0970	0.53500	0.03000	0.49200	0.04345	0.01600	4	0.99	4%	0
031.53	Phosphorus, ICP-MS, Microwave (%)	0553	0.54200	0.03600				1			0
032.02	Potassium, Flame Emission (%)	0047	0.73000	0.06000				1			0
032.31	Potassium, AAS, Dry ash (%)	0208	0.82600	0.03400	0.84433	0.02290	0.03267	3			0
032.31	Potassium, AAS, Dry ash (%)	0014	0.83700	0.02400	0.84433	0.02290	0.03267	3			0
032.31	Potassium, AAS, Dry ash (%)	0650	0.87000	0.04000	0.84433	0.02290	0.03267	3			0
032.32	Potassium, AAS, Open vessel (%)	0035	0.88000	0.02000				1			0
032.41	Potassium, ICP, Dry ash (%)	0051	0.79065	0.02750	0.83653	0.03258	0.01840	10	-1.41	3%	0
032.41	Potassium, ICP, Dry ash (%)	0164	0.80000	0.02000	0.83653	0.03258	0.01840	10	-1.12	2%	0
032.41	Potassium, ICP, Dry ash (%)	0098	0.82000	0.02000	0.83653	0.03258	0.01840	10	-0.51	1%	0
032.41	Potassium, ICP, Dry ash (%)	0511	0.82500	0.01000	0.83653	0.03258	0.01840	10	-0.35	1%	0
032.41	Potassium, ICP, Dry ash (%)	0171	0.83650	0.00500	0.83653	0.03258	0.01840	10	0.00	0%	0
032.41	Potassium, ICP, Dry ash (%)	0074	0.84000	0.02000	0.83653	0.03258	0.01840	10	0.11	0%	0
032.41	Potassium, ICP, Dry ash (%)	2089	0.85000	0.00000	0.83653	0.03258	0.01840	10	0.41	1%	0
032.41	Potassium, ICP, Dry ash (%)	0512	0.85775	0.00850	0.83653	0.03258	0.01840	10	0.65	1%	0
032.41	Potassium, ICP, Dry ash (%)	0003	0.86000	0.06000	0.83653	0.03258	0.01840	10	0.72	1%	0
032.41	Potassium, ICP, Dry ash (%)	0407	0.90250	0.01300	0.83653	0.03258	0.01840	10	2.02	4%	0
032.41	Potassium, ICP, Dry ash (%)	0208	0.76400	0.10800	0.83653	0.03258	0.01840	10	-2.23	4%	1
032.42	Potassium, ICP, Open vessel (%)	0026	0.73310	0.00180	0.84408	0.04574	0.02520	7	-2.43	7%	0
032.42	Potassium, ICP, Open vessel (%)	0555	0.83000	0.02000	0.84408	0.04574	0.02520	7	-0.31	1%	0
032.42	Potassium, ICP, Open vessel (%)	0035	0.83500	0.05000	0.84408	0.04574	0.02520	7	-0.20	1%	0
032.42	Potassium, ICP, Open vessel (%)	0870	0.83610	0.04460	0.84408	0.04574	0.02520	7	-0.17	0%	0
032.42	Potassium, ICP, Open vessel (%)	0042	0.84700	0.01000	0.84408	0.04574	0.02520	7	0.06	0%	0
032.42	Potassium, ICP, Open vessel (%)	0202	0.89000	0.00000	0.84408	0.04574	0.02520	7	1.00	3%	0
032.42	Potassium, ICP, Open vessel (%)	0613	0.89500	0.05000	0.84408	0.04574	0.02520	7	1.11	3%	0
032.43	Potassium, ICP, Microwave (%)	2058	0.70050	0.01100	0.84752	0.05483	0.03831	10	-2.68	9%	0
032.43	Potassium, ICP, Microwave (%)	2023	0.80850	0.03300	0.84752	0.05483	0.03831	10	-0.71	2%	0
032.43	Potassium, ICP, Microwave (%)	0510	0.82000	0.02000	0.84752	0.05483	0.03831	10	-0.50	2%	0
032.43	Potassium, ICP, Microwave (%)	0033	0.82500	0.01000	0.84752	0.05483	0.03831	10	-0.41	1%	0
032.43	Potassium, ICP, Microwave (%)	0098	0.83000	0.02000	0.84752	0.05483	0.03831	10	-0.32	1%	0
032.43	Potassium, ICP, Microwave (%)	0034	0.84430	0.02220	0.84752	0.05483	0.03831	10	-0.06	0%	0
032.43	Potassium, ICP, Microwave (%)	2124	0.86905	0.00350	0.84752	0.05483	0.03831	10	0.39	1%	0
032.43	Potassium, ICP, Microwave (%)	2033	0.88480	0.00700	0.84752	0.05483	0.03831	10	0.68	2%	0
032.43	Potassium, ICP, Microwave (%)	0017	0.89850	0.14500	0.84752	0.05483	0.03831	10	0.93	3%	0
032.43	Potassium, ICP, Microwave (%)	0508	0.95150	0.11140	0.84752	0.05483	0.03831	10	1.90	6%	0
032.44	Potassium, ICP, Dry ash (%)	2114	0.54240	0.03280	0.76298	0.14925	0.02595	4	-1.48	14%	0
032.44	Potassium, ICP, Dry ash (%)	0969	0.80800	0.01800	0.76298	0.14925	0.02595	4	0.30	3%	0

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032.44	Potassium, ICP, Dry ash (%)	2004	0.83150	0.03300	0.76298	0.14925	0.02595	4	0.46	4%	0
032.44	Potassium, ICP, Dry ash (%)	0970	0.87000	0.02000	0.76298	0.14925	0.02595	4	0.72	7%	0
032.53	Potassium, ICP-MS, Microwave (%)	0553	0.88500	0.00400				1			0
033.00	Salt as chloride, Sol Cl (%)	0309	0.16275	0.00350				2			0
033.00	Salt as chloride, Sol Cl (%)	2062	0.19070	0.00680				2			0
033.01	Salt as chloride, Poten Cl (%)	0510	0.18000	0.00000	0.20058	0.02164	0.01017	6	-0.95	5%	0
033.01	Salt as chloride, Poten Cl (%)	0407	0.18350	0.00100	0.20058	0.02164	0.01017	6	-0.79	4%	0
033.01	Salt as chloride, Poten Cl (%)	0164	0.19500	0.01000	0.20058	0.02164	0.01017	6	-0.26	1%	0
033.01	Salt as chloride, Poten Cl (%)	0098	0.20000	0.00000	0.20058	0.02164	0.01017	6	-0.03	0%	0
033.01	Salt as chloride, Poten Cl (%)	2023	0.21500	0.03000	0.20058	0.02164	0.01017	6	0.67	4%	0
033.01	Salt as chloride, Poten Cl (%)	0650	0.23000	0.02000	0.20058	0.02164	0.01017	6	1.36	7%	0
033.99	Salt, Miscellaneous (%)	2033	0.16000	0.02000				1			0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0164	0.13500	0.01000				1			0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	2124	2.2513	0.22620				1			0
034.52	Selenium, ICP-MS, Open vessel (mg / kg (ppm))	0555	0.09700	0.00600				1			0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0553	0.13900	0.01200				2			0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	2023	0.20000	0.00000				2			0
034.99	Selenium, Miscellaneous (mg / kg (ppm))	0969	0.12050	0.00300	0.13038	0.00709	0.02225	4	-1.39	4%	0
034.99	Selenium, Miscellaneous (mg / kg (ppm))	0970	0.13000	0.06000	0.13038	0.00709	0.02225	4	-0.05	0%	0
034.99	Selenium, Miscellaneous (mg / kg (ppm))	0555	0.13500	0.01000	0.13038	0.00709	0.02225	4	0.65	2%	0
034.99	Selenium, Miscellaneous (mg / kg (ppm))	2004	0.13600	0.01600	0.13038	0.00709	0.02225	4	0.79	2%	0
035.31	Sodium, AAS, Dry ash (%)	0208	0.06400	0.00200				2			0
035.31	Sodium, AAS, Dry ash (%)	0650	0.07400	0.00800				2			0
035.32	Sodium, AAS, Open vessel (%)	0035	0.07955	0.00010				1			0
035.41	Sodium, ICP, Dry ash (%)	2114	0.06365	0.00590	0.07302	0.00638	0.00386	14	-1.47	6%	0
035.41	Sodium, ICP, Dry ash (%)	2122	0.06700	0.00440	0.07302	0.00638	0.00386	14	-0.94	4%	0
035.41	Sodium, ICP, Dry ash (%)	0969	0.06780	0.00100	0.07302	0.00638	0.00386	14	-0.82	4%	0
035.41	Sodium, ICP, Dry ash (%)	0164	0.06850	0.00100	0.07302	0.00638	0.00386	14	-0.71	3%	0
035.41	Sodium, ICP, Dry ash (%)	2004	0.06915	0.00030	0.07302	0.00638	0.00386	14	-0.61	3%	0
035.41	Sodium, ICP, Dry ash (%)	0970	0.07000	0.00000	0.07302	0.00638	0.00386	14	-0.47	2%	0
035.41	Sodium, ICP, Dry ash (%)	0051	0.07255	0.00290	0.07302	0.00638	0.00386	14	-0.07	0%	0
035.41	Sodium, ICP, Dry ash (%)	0098	0.07300	0.00600	0.07302	0.00638	0.00386	14	0.00	0%	0
035.41	Sodium, ICP, Dry ash (%)	0511	0.07500	0.01000	0.07302	0.00638	0.00386	14	0.31	1%	0
035.41	Sodium, ICP, Dry ash (%)	0407	0.07600	0.00040	0.07302	0.00638	0.00386	14	0.47	2%	0
035.41	Sodium, ICP, Dry ash (%)	0171	0.07750	0.00500	0.07302	0.00638	0.00386	14	0.70	3%	0
035.41	Sodium, ICP, Dry ash (%)	0208	0.07950	0.01100	0.07302	0.00638	0.00386	14	1.02	4%	0
035.41	Sodium, ICP, Dry ash (%)	2089	0.08000	0.00000	0.07302	0.00638	0.00386	14	1.10	5%	0
035.41	Sodium, ICP, Dry ash (%)	0512	0.08550	0.00620	0.07302	0.00638	0.00386	14	1.96	9%	0
035.42	Sodium, ICP, Open vessel (%)	0035	0.05350	0.00300	0.07100	0.01111	0.00192	6	-1.57	12%	0
035.42	Sodium, ICP, Open vessel (%)	0555	0.06750	0.00300	0.07100	0.01111	0.00192	6	-0.31	2%	0
035.42	Sodium, ICP, Open vessel (%)	0042	0.06850	0.00100	0.07100	0.01111	0.00192	6	-0.22	2%	0
035.42	Sodium, ICP, Open vessel (%)	0870	0.07565	0.00450	0.07100	0.01111	0.00192	6	0.42	3%	0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
035.42	Sodium, ICP, Open vessel (%)	0202	0.08000	0.00000	0.07100	0.01111	0.00192	6	0.81	6%	0
035.42	Sodium, ICP, Open vessel (%)	0613	0.08000	0.00000	0.07100	0.01111	0.00192	6	0.81	6%	0
035.43	Sodium, ICP, Microwave (%)	0510	0.06600	0.00000	0.07205	0.00551	0.00350	8	-1.10	4%	0
035.43	Sodium, ICP, Microwave (%)	0098	0.06750	0.00300	0.07205	0.00551	0.00350	8	-0.83	3%	0
035.43	Sodium, ICP, Microwave (%)	2058	0.06850	0.00100	0.07205	0.00551	0.00350	8	-0.64	2%	0
035.43	Sodium, ICP, Microwave (%)	2124	0.07035	0.00030	0.07205	0.00551	0.00350	8	-0.31	1%	0
035.43	Sodium, ICP, Microwave (%)	2033	0.07205	0.00030	0.07205	0.00551	0.00350	8	0.00	0%	0
035.43	Sodium, ICP, Microwave (%)	2023	0.07500	0.00200	0.07205	0.00551	0.00350	8	0.54	2%	0
035.43	Sodium, ICP, Microwave (%)	0508	0.07790	0.01180	0.07205	0.00551	0.00350	8	1.06	4%	0
035.43	Sodium, ICP, Microwave (%)	0034	0.07910	0.00960	0.07205	0.00551	0.00350	8	1.28	5%	0
035.53	Sodium, ICP-MS, Microwave (%)	0553	0.07030	0.00420				1			0
036.04	Sulfur, LECO (%)	0098	0.22500	0.01000				1			0
036.42	Sulfur, ICP, Open vessel (%)	2089	0.20000	0.02000	0.21065	0.01072	0.01059	9	-0.99	3%	0
036.42	Sulfur, ICP, Open vessel (%)	0870	0.20125	0.00290	0.21065	0.01072	0.01059	9	-0.88	2%	0
036.42	Sulfur, ICP, Open vessel (%)	0035	0.20500	0.01000	0.21065	0.01072	0.01059	9	-0.53	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0164	0.20500	0.01000	0.21065	0.01072	0.01059	9	-0.53	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0555	0.20500	0.01000	0.21065	0.01072	0.01059	9	-0.53	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0613	0.21500	0.03000	0.21065	0.01072	0.01059	9	0.41	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0407	0.21790	0.00240	0.21065	0.01072	0.01059	9	0.68	2%	0
036.42	Sulfur, ICP, Open vessel (%)	0202	0.22000	0.00000	0.21065	0.01072	0.01059	9	0.87	2%	0
036.42	Sulfur, ICP, Open vessel (%)	0171	0.24800	0.01000	0.21065	0.01072	0.01059	9	3.48	9%	0
036.43	Sulfur, ICP, Microwave (%)	0510	0.22500	0.01000	0.23211	0.00829	0.01188	4	-0.86	2%	0
036.43	Sulfur, ICP, Microwave (%)	0098	0.22805	0.00370	0.23211	0.00829	0.01188	4	-0.49	1%	0
036.43	Sulfur, ICP, Microwave (%)	2033	0.23150	0.00500	0.23211	0.00829	0.01188	4	-0.07	0%	0
036.43	Sulfur, ICP, Microwave (%)	0508	0.24390	0.02880	0.23211	0.00829	0.01188	4	1.42	3%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	2062	33.200	0.40000				1			0
037.32	Zinc, AAS, Open vessel (mg / kg (ppm))	0035	35.000	0.00000				1			0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0051	28.570	8.2800	33.429	3.6488	1.5798	10	-1.33	7%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0511	29.500	1.0000	33.429	3.6488	1.5798	10	-1.08	6%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0074	30.000	2.0000	33.429	3.6488	1.5798	10	-0.94	5%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0208	31.895	0.33000	33.429	3.6488	1.5798	10	-0.42	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0171	34.300	0.60000	33.429	3.6488	1.5798	10	0.24	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0098	34.430	0.42000	33.429	3.6488	1.5798	10	0.27	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	2089	35.480	0.12000	33.429	3.6488	1.5798	10	0.56	3%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0512	35.630	0.98000	33.429	3.6488	1.5798	10	0.60	3%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0164	37.000	2.0000	33.429	3.6488	1.5798	10	0.98	5%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0407	37.486	0.06800	33.429	3.6488	1.5798	10	1.11	6%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0003	45.000	14.000	33.429	3.6488	1.5798	10	3.17	17%	1
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0026	0.00510	0.00020	30.657	8.2214	2.9317	6	-3.73	50%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0613	27.340	10.980	30.657	8.2214	2.9317	6	-0.40	5%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0870	30.280	0.62000	30.657	8.2214	2.9317	6	-0.05	1%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0555	33.000	0.00000	30.657	8.2214	2.9317	6	0.29	4%	0

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037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0035	37.000	4.0000	30.657	8.2214	2.9317	6	0.77	10%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0202	37.995	1.9900	30.657	8.2214	2.9317	6	0.89	12%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0042	73.100	69.800	30.657	8.2214	2.9317	6	5.16	69%	1
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0033	32.000	2.6000	35.270	4.2763	1.3803	6	-0.76	5%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2124	32.257	0.02270	35.270	4.2763	1.3803	6	-0.70	4%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2023	33.850	1.5000	35.270	4.2763	1.3803	6	-0.33	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0510	34.000	0.00000	35.270	4.2763	1.3803	6	-0.30	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0098	37.830	1.0000	35.270	4.2763	1.3803	6	0.60	4%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0508	43.630	3.1590	35.270	4.2763	1.3803	6	1.95	12%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0017	22.526	9.0770	35.270	4.2763	1.3803	6	-2.98	18%	1
037.44	Zinc, ICP, Dry ash (mg / kg (ppm))	0969	31.600	1.2000	32.067	0.45092	1.1450	4	-1.03	1%	0
037.44	Zinc, ICP, Dry ash (mg / kg (ppm))	2004	32.100	1.6000	32.067	0.45092	1.1450	4	0.07	0%	0
037.44	Zinc, ICP, Dry ash (mg / kg (ppm))	0970	32.500	1.0000	32.067	0.45092	1.1450	4	0.96	1%	0
037.44	Zinc, ICP, Dry ash (mg / kg (ppm))	2114	53.570	0.78000	32.067	0.45092	1.1450	4	47.69	34%	0
037.52	Zinc, ICP-MS, Open vessel (mg / kg (ppm))	0555	31.000	2.0000				1			0
037.53	Zinc, ICP-MS, Microwave (mg / kg (ppm))	0553	37.900	0.40000				1			0
038.41	Molybdenum, ICP, Dry ash (mg / kg (ppm))	0171	0.90000	0.00000				1			0
038.42	Molybdenum, ICP, Open vessel (mg / kg (ppm))	0555	0.99000	0.02000				1			0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0510	0.90000	0.00000				2			0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0508	0.99885	0.02910				2			0
038.52	Molybdenum, ICP-MS, Open vessel (mg / kg (ppm))	0555	0.99000	0.02000				1			0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	0553	1.0145	0.07100				2			0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	2023	1.0650	0.01000				2			0
040.43	Barium, ICP, Microwave (mg / kg (ppm))	0508	3.5863	0.44310				1			0
040.52	Barium, ICP-MS, Open vessel (mg / kg (ppm))	0555	2.4500	0.10000				1			0
041.43	Vanadium, ICP, Microwave (mg / kg (ppm))	0508	0.18195	0.04050				1			0
041.52	Vanadium, ICP-MS, Open vessel (mg / kg (ppm))	0555	0.82000	0.02000				1			0
042.00	Chloride, Titrimetric (%)	2004	0.11400	0.00000				2			0
042.00	Chloride, Titrimetric (%)	0969	0.11550	0.00100				2			0
042.99	Chloride, Miscellaneous (%)	0970	0.11500	0.00000				1			0
101.01	Choline Chloride, Chem (mg / kg (ppm))	2004	684.50	63.000				1			0
101.02	Choline Chloride, LC (mg / kg (ppm))	0227	1,135.0	30.000				1			0
102.01	Niacin, Microbiological (mg / kg (ppm))	0227	18.750	0.50000	20.983	2.1773	0.83333	3			0
102.01	Niacin, Microbiological (mg / kg (ppm))	0969	21.100	0.80000	20.983	2.1773	0.83333	3			0
102.01	Niacin, Microbiological (mg / kg (ppm))	2004	23.100	1.2000	20.983	2.1773	0.83333	3			0
103.01	Pantothenic Acid, Microbiological (mg / kg (ppm))	0227	2.1100	0.12000				1			0
103.02	Pantothenic Acid, LC (mg / kg (ppm))	2004	4.5500	0.10000				2			0
103.02	Pantothenic Acid, LC (mg / kg (ppm))	0969	6.5500	0.10000				2			0
104.00	Riboflavin, Fluorometric (mg / kg (ppm))	0227	2.3900	0.10000				1			0
104.02	Riboflavin, Microbiological, Turbidity (mg / kg (ppm))	2004	2.6000	0.00000				2			0
104.02	Riboflavin, Microbiological, Turbidity (mg / kg (ppm))	0969	3.1500	0.30000				2			0
104.03	Riboflavin, LC (mg / kg (ppm))	2023	2.6500	0.30000				1			0

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105.00	Thiamine, LC (mg / kg (ppm))	2023	5.3000	0.80000				1		0	
105.99	Thiamine, Miscellaneous (mg / kg (ppm))	2004	3.0000	0.20000				2		0	
105.99	Thiamine, Miscellaneous (mg / kg (ppm))	0969	3.1500	0.10000				2		0	
106.02	Vitamin A, LC (KU / kg)	2004	0.78550	0.02900	12.429	10.128	0.20967	3		0	
106.02	Vitamin A, LC (KU / kg)	0227	17.300	0.20000	12.429	10.128	0.20967	3		0	
106.02	Vitamin A, LC (KU / kg)	2023	19.200	0.40000	12.429	10.128	0.20967	3		0	
106.02	Vitamin A, LC (KU / kg)	0969	0.00000	0.00000	12.429	10.128	0.20967	3		4	
106.02	Vitamin A, LC (KU / kg)	0970	0.70000	1.4000	12.429	10.128	0.20967	3		4	
107.00	Vitamin B12, Microbiological (µg / kg (ppb))	0969	50.150	2.1000				2		0	
107.00	Vitamin B12, Microbiological (µg / kg (ppb))	2004	55.400	4.8000				2		0	
108.01	Vitamin D3, LC, AOAC (KU / kg)	2023	0.00000	0.00000				0		4	
108.99	Vitamin D3, Miscellaneous (KU / kg)	0969	0.00000	0.00000				0		4	
108.99	Vitamin D3, Miscellaneous (KU / kg)	0970	0.00000	0.00000				0		4	
108.99	Vitamin D3, Miscellaneous (KU / kg)	2004	0.00000	0.00000				0		4	
109.02	Vitamin E, LC (IU/kg)	0227	131.50	1.0000				2		0	
109.02	Vitamin E, LC (IU/kg)	2023	153.15	4.3000				2		0	
112.00	Pyridoxine, Vitamin B6 (µg / g)	2004	1,645.0	90.000				1		0	
112.01	Pyridoxine, LC (µg / g)	0227	3.0850	0.01000				1		0	
113.01	Folic Acid, Micro (mg / kg (ppm))	2004	0.29150	0.02900				2		0	
113.01	Folic Acid, Micro (mg / kg (ppm))	0227	0.39000	0.00600				2		0	
114.01	Biotin, Microbiological (mg / kg (ppm))	2004	0.17950	0.00900				2		0	
114.01	Biotin, Microbiological (mg / kg (ppm))	0969	0.19700	0.01000				2		0	
120.00	Alanine, Post-col Ninhydrin Der (%)	0227	0.88500	0.01000	0.88500	0.00000	0.00667	3		0	
120.00	Alanine, Post-col Ninhydrin Der (%)	0504	0.88500	0.01000	0.88500	0.00000	0.00667	3		0	
120.00	Alanine, Post-col Ninhydrin Der (%)	0870	0.90160	0.00000	0.88500	0.00000	0.00667	3		0	
120.01	Alanine, Pre-col OPA Der (%)	0970	0.87500	0.03000	0.89350	0.01802	0.01900	3		0	
120.01	Alanine, Pre-col OPA Der (%)	2004	0.89450	0.00900	0.89350	0.01802	0.01900	3		0	
120.01	Alanine, Pre-col OPA Der (%)	0969	0.91100	0.01800	0.89350	0.01802	0.01900	3		0	
120.02	Alanine, Post-col OPA Der (%)	2023	0.00000	0.00000				0		4	
121.00	Arginine, Post-col Ninhydrin Der (%)	0870	1.3776	0.00000	1.4042	0.02621	0.01667	3		0	
121.00	Arginine, Post-col Ninhydrin Der (%)	0227	1.4050	0.01000	1.4042	0.02621	0.01667	3		0	
121.00	Arginine, Post-col Ninhydrin Der (%)	0504	1.4300	0.04000	1.4042	0.02621	0.01667	3		0	
121.01	Arginine, Pre-col OPA Der (%)	0970	1.4500	0.10000	1.5167	0.08694	0.07333	3		0	
121.01	Arginine, Pre-col OPA Der (%)	2004	1.4850	0.01000	1.5167	0.08694	0.07333	3		0	
121.01	Arginine, Pre-col OPA Der (%)	0969	1.6150	0.11000	1.5167	0.08694	0.07333	3		0	
121.02	Arginine, Post-col OPA Der (%)	2023	0.00000	0.00000				0		4	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0504	1.8900	0.04000	1.9341	0.03868	0.02667	3		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0227	1.9500	0.04000	1.9341	0.03868	0.02667	3		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0870	1.9623	0.00000	1.9341	0.03868	0.02667	3		0	
122.01	Aspartic, Pre-col OPA Der (%)	0970	1.8500	0.10000	1.8967	0.04072	0.05333	3		0	
122.01	Aspartic, Pre-col OPA Der (%)	2004	1.9150	0.01000	1.8967	0.04072	0.05333	3		0	
122.01	Aspartic, Pre-col OPA Der (%)	0969	1.9250	0.05000	1.8967	0.04072	0.05333	3		0	

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122.02	Aspartic, Post-col OPA Der (%)	2023	0.00000	0.00000				0		4	
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0227	0.27000	0.00000			0.00000	3		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0504	0.30000	0.00000			0.00000	3		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0870	0.42930	0.00000			0.00000	3		0	
124.01	Cysteine/Cystine, PAO Pre-col OPA Der (%)	0970	0.28000	0.00000	0.30367	0.02110	0.00733	3		0	
124.01	Cysteine/Cystine, PAO Pre-col OPA Der (%)	2004	0.31050	0.00300	0.30367	0.02110	0.00733	3		0	
124.01	Cysteine/Cystine, PAO Pre-col OPA Der (%)	0969	0.32050	0.01900	0.30367	0.02110	0.00733	3		0	
124.02	Cysteine/Cystine, PAO Post-col OPA Der (%)	2023	0.35000	0.00000				1		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0504	3.2000	0.10000	3.3033	0.11998	0.04333	3		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0227	3.2750	0.03000	3.3033	0.11998	0.04333	3		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0870	3.4349	0.00000	3.3033	0.11998	0.04333	3		0	
125.01	Glutamic, Pre-col OPA Der (%)	0969	3.1400	0.16000	3.1617	0.02930	0.09000	3		0	
125.01	Glutamic, Pre-col OPA Der (%)	0970	3.1500	0.10000	3.1617	0.02930	0.09000	3		0	
125.01	Glutamic, Pre-col OPA Der (%)	2004	3.1950	0.01000	3.1617	0.02930	0.09000	3		0	
125.02	Glutamic, Post-col OPA Der (%)	2023	0.00000	0.00000				0		4	
126.00	Glycine, Post-col Ninhydrin Der (%)	0504	0.95000	0.02000	0.95837	0.01046	0.01000	3		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0227	0.95500	0.01000	0.95837	0.01046	0.01000	3		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0870	0.97010	0.00000	0.95837	0.01046	0.01000	3		0	
126.01	Glycine, Pre-col OPA Der (%)	0969	0.89200	0.04000	0.92517	0.03103	0.02167	3		0	
126.01	Glycine, Pre-col OPA Der (%)	0970	0.93000	0.02000	0.92517	0.03103	0.02167	3		0	
126.01	Glycine, Pre-col OPA Der (%)	2004	0.95350	0.00500	0.92517	0.03103	0.02167	3		0	
126.02	Glycine, Post-col OPA Der (%)	2023	0.00000	0.00000				0		4	
127.00	Histidine, Post-col Ninhydrin Der (%)	0870	0.37520	0.00000	0.38673	0.01249	0.01000	3		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0504	0.38500	0.01000	0.38673	0.01249	0.01000	3		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0227	0.40000	0.02000	0.38673	0.01249	0.01000	3		0	
127.01	Histidine, Pre-col OPA Der (%)	2004	0.34700	0.00400	0.37000	0.01997	0.02667	3		0	
127.01	Histidine, Pre-col OPA Der (%)	0970	0.38000	0.02000	0.37000	0.01997	0.02667	3		0	
127.01	Histidine, Pre-col OPA Der (%)	0969	0.38300	0.05600	0.37000	0.01997	0.02667	3		0	
127.02	Histidine, Post-col OPA Der (%)	2023	0.00000	0.00000				0		4	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0870	0.67470	0.00000	0.70823	0.04175	0.00667	3		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0227	0.69500	0.01000	0.70823	0.04175	0.00667	3		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0504	0.75500	0.01000	0.70823	0.04175	0.00667	3		0	
128.01	Isoleucine, Pre-col OPA Der (%)	0970	0.69000	0.04000	0.73517	0.04945	0.01567	3		0	
128.01	Isoleucine, Pre-col OPA Der (%)	2004	0.72750	0.00700	0.73517	0.04945	0.01567	3		0	
128.01	Isoleucine, Pre-col OPA Der (%)	0969	0.78800	0.00000	0.73517	0.04945	0.01567	3		0	
128.02	Isoleucine, Post-col OPA Der (%)	2023	0.00000	0.00000				0		4	
129.00	Leucine, Post-col Ninhydrin Der (%)	0227	1.0800	0.02000	1.1108	0.04306	0.01333	3		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0870	1.0924	0.00000	1.1108	0.04306	0.01333	3		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0504	1.1600	0.02000	1.1108	0.04306	0.01333	3		0	
129.01	Leucine, Pre-col OPA Der (%)	0970	1.1000	0.00000	1.1150	0.02121	0.00667	3		0	
129.01	Leucine, Pre-col OPA Der (%)	2004	1.1300	0.00000	1.1150	0.02121	0.00667	3		0	
129.01	Leucine, Pre-col OPA Der (%)	0969	1.1500	0.02000	1.1150	0.02121	0.00667	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			
129.02	Leucine, Post-col OPA Der (%)	2023	0.00000	0.00000				0		4	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0227	0.94500	0.07000	1.0094	0.04514	0.02875	4	-1.43	3%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0870	1.0170	0.00000	1.0094	0.04514	0.02875	4	0.17	0%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0512	1.0255	0.02500	1.0094	0.04514	0.02875	4	0.36	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0504	1.0500	0.02000	1.0094	0.04514	0.02875	4	0.90	2%	0
130.01	L-Lysine, Pre-col OPA Der (%)	0970	0.92000	0.04000	0.94267	0.02875	0.06867	3			0
130.01	L-Lysine, Pre-col OPA Der (%)	0969	0.93300	0.15400	0.94267	0.02875	0.06867	3			0
130.01	L-Lysine, Pre-col OPA Der (%)	2004	0.97500	0.01200	0.94267	0.02875	0.06867	3			0
130.02	L-Lysine, Post-col OPA Der (%)	2023	0.00000	0.00000				0			4
130.05	L-Lysine, Pre-col AQC Der (%)	0027	0.99100	0.18000				1			0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0227	0.30000	0.00000	0.31763	0.01533	0.00535	4	-1.15	3%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0504	0.31500	0.01000	0.31763	0.01533	0.00535	4	-0.17	0%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0870	0.31820	0.00000	0.31763	0.01533	0.00535	4	0.04	0%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0512	0.33730	0.01140	0.31763	0.01533	0.00535	4	1.28	3%	0
131.01	Methionine, PAO Pre-col OPA Der (%)	0970	0.27500	0.01000	0.28867	0.01950	0.00733	3			0
131.01	Methionine, PAO Pre-col OPA Der (%)	2004	0.28000	0.00400	0.28867	0.01950	0.00733	3			0
131.01	Methionine, PAO Pre-col OPA Der (%)	0969	0.31100	0.00800	0.28867	0.01950	0.00733	3			0
131.02	Methionine, PAO Post-col OPA Der (%)	2023	0.00000	0.00000				0			4
131.05	Methionine, PAO Pre-col AQC Der (%)	0027	0.27300	0.00600				1			0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0227	0.79500	0.01000	0.81840	0.03210	0.00667	3			0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0870	0.80520	0.00000	0.81840	0.03210	0.00667	3			0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0504	0.85500	0.01000	0.81840	0.03210	0.00667	3			0
132.01	Phenylalanine, Pre-col OPA Der (%)	2004	0.81600	0.00400	0.83000	0.02088	0.01733	3			0
132.01	Phenylalanine, Pre-col OPA Der (%)	0970	0.82000	0.04000	0.83000	0.02088	0.01733	3			0
132.01	Phenylalanine, Pre-col OPA Der (%)	0969	0.85400	0.00800	0.83000	0.02088	0.01733	3			0
132.02	Phenylalanine, Post-col OPA Der (%)	2023	0.00000	0.00000				0			4
133.00	Proline, Post-col Ninhydrin Der (%)	0227	0.84000	0.02000	0.84590	0.00524	0.01333	3			0
133.00	Proline, Post-col Ninhydrin Der (%)	0870	0.84770	0.00000	0.84590	0.00524	0.01333	3			0
133.00	Proline, Post-col Ninhydrin Der (%)	0504	0.85000	0.02000	0.84590	0.00524	0.01333	3			0
133.04	Proline, Pre-col FMOC Der (%)	2004	0.87800	0.00200				1			0
133.99	Proline, Miscellaneous (%)	0970	0.84500	0.01000	0.86900	0.03394	0.04600	3			0
133.99	Proline, Miscellaneous (%)	2023	0.89000	0.12000	0.86900	0.03394	0.04600	3			0
133.99	Proline, Miscellaneous (%)	0969	0.89300	0.00800	0.86900	0.03394	0.04600	3			0
134.00	Serine, Post-col Ninhydrin Der (%)	0504	0.78500	0.03000	0.89775	0.02510	0.01000	3			0
134.00	Serine, Post-col Ninhydrin Der (%)	0227	0.88000	0.00000	0.89775	0.02510	0.01000	3			0
134.00	Serine, Post-col Ninhydrin Der (%)	0870	0.91550	0.00000	0.89775	0.02510	0.01000	3			0
134.01	Serine, Pre-col OPA Der (%)	0970	0.85000	0.02000	0.86150	0.01103	0.02433	3			0
134.01	Serine, Pre-col OPA Der (%)	0969	0.86250	0.05100	0.86150	0.01103	0.02433	3			0
134.01	Serine, Pre-col OPA Der (%)	2004	0.87200	0.00200	0.86150	0.01103	0.02433	3			0
134.02	Serine, Post-col OPA Der (%)	2023	0.00000	0.00000				0			4
135.00	Threonine, Post-col Ninhydrin Der (%)	0227	0.61000	0.04000	0.62147	0.01573	0.01667	3			0
135.00	Threonine, Post-col Ninhydrin Der (%)	0504	0.61500	0.01000	0.62147	0.01573	0.01667	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			
135.00	Threonine, Post-col Ninhydrin Der (%)	0870	0.63940	0.00000	0.62147	0.01573	0.01667	3			0
135.01	Threonine, Pre-col OPA Der (%)	0970	0.61000	0.02000	0.62550	0.01602	0.01233	3			0
135.01	Threonine, Pre-col OPA Der (%)	2004	0.62450	0.00100	0.62550	0.01602	0.01233	3			0
135.01	Threonine, Pre-col OPA Der (%)	0969	0.64200	0.01600	0.62550	0.01602	0.01233	3			0
135.02	Threonine, Post-col OPA Der (%)	2023	0.00000	0.00000				0			4
135.05	Threonine, Pre-col AQC Der (%)	0027	0.72300	0.06400				1			0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0870	0.17660	0.00000				2			0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0227	0.21500	0.01000				2			0
136.02	Tryptophan, Alka-Hydrol Post-col OPA De (%)	2023	0.15500	0.01000				1			0
136.99	Tryptophan, Miscellaneous (%)	0504	0.16000	0.00000	0.17375	0.01945	0.00300	3			0
136.99	Tryptophan, Miscellaneous (%)	0969	0.18100	0.00800	0.17375	0.01945	0.00300	3			0
136.99	Tryptophan, Miscellaneous (%)	2004	0.18750	0.00100	0.17375	0.01945	0.00300	3			0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0870	0.51110	0.00000	0.63203	0.10476	0.01000	3			0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0227	0.69000	0.02000	0.63203	0.10476	0.01000	3			0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0504	0.69500	0.01000	0.63203	0.10476	0.01000	3			0
137.01	Tyrosine, Pre-col OPA Der (%)	0970	0.76500	0.03000	0.81883	0.04753	0.01300	3			0
137.01	Tyrosine, Pre-col OPA Der (%)	2004	0.83650	0.00300	0.81883	0.04753	0.01300	3			0
137.01	Tyrosine, Pre-col OPA Der (%)	0969	0.85500	0.00600	0.81883	0.04753	0.01300	3			0
137.02	Tyrosine, Post-col OPA Der (%)	2023	0.00000	0.00000				0			4
138.00	Valine, Post-col Ninhydrin Der (%)	0227	0.79500	0.01000	0.79515	0.00021	0.00667	3			0
138.00	Valine, Post-col Ninhydrin Der (%)	0870	0.79530	0.00000	0.79515	0.00021	0.00667	3			0
138.00	Valine, Post-col Ninhydrin Der (%)	0504	0.83500	0.01000	0.79515	0.00021	0.00667	3			0
138.01	Valine, Pre-col OPA Der (%)	0970	0.77000	0.04000	0.80533	0.04649	0.03267	3			0
138.01	Valine, Pre-col OPA Der (%)	2004	0.78800	0.00200	0.80533	0.04649	0.03267	3			0
138.01	Valine, Pre-col OPA Der (%)	0969	0.85800	0.05600	0.80533	0.04649	0.03267	3			0
138.02	Valine, Post-col OPA Der (%)	2023	0.00000	0.00000				0			4
139.00	Taurine, Post-col Ninhydrin Der (%)	0504	0.06000	0.00000				2			0
139.00	Taurine, Post-col Ninhydrin Der (%)	0970	0.13000	0.00000				2			0
139.01	Taurine, Pre-col OPA Der (%)	2004	0.16450	0.00500				1			0
160.99	Fructose, Miscellaneous (%)	0970	0.34000	0.00400	0.37463	0.02508	0.00725	4	-1.38	5%	0
160.99	Fructose, Miscellaneous (%)	2004	0.37850	0.00500	0.37463	0.02508	0.00725	4	0.15	1%	0
160.99	Fructose, Miscellaneous (%)	0227	0.38000	0.02000	0.37463	0.02508	0.00725	4	0.21	1%	0
160.99	Fructose, Miscellaneous (%)	0969	0.40000	0.00000	0.37463	0.02508	0.00725	4	1.01	3%	0
161.99	Galactose, Miscellaneous (%)	0969	0.00000	0.00000				0			4
161.99	Galactose, Miscellaneous (%)	0970	0.00000	0.00000				0			4
161.99	Galactose, Miscellaneous (%)	2004	0.00000	0.00000				0			4
162.99	Glucose, Miscellaneous (%)	0969	0.10000	0.00000				2			0
162.99	Glucose, Miscellaneous (%)	2004	0.14150	0.01500				2			0
162.99	Glucose, Miscellaneous (%)	0970	0.00000	0.00000				2			4
163.99	Lactose, Miscellaneous (%)	0969	0.00000	0.00000				0			4
163.99	Lactose, Miscellaneous (%)	0970	0.00000	0.00000				0			4
163.99	Lactose, Miscellaneous (%)	2004	0.00000	0.00000				0			4

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			
164.99	Maltose, Miscellaneous (%)	0969	0.00000	0.00000				0			4
164.99	Maltose, Miscellaneous (%)	0970	0.00000	0.00000				0			4
164.99	Maltose, Miscellaneous (%)	2004	0.00000	0.00000				0			4
165.99	Sucrose, Miscellaneous (%)	2004	0.28500	0.02600	0.36150	0.05240	0.01500	4	-1.46	11%	0
165.99	Sucrose, Miscellaneous (%)	0970	0.37100	0.01400	0.36150	0.05240	0.01500	4	0.18	1%	0
165.99	Sucrose, Miscellaneous (%)	0227	0.39000	0.02000	0.36150	0.05240	0.01500	4	0.54	4%	0
165.99	Sucrose, Miscellaneous (%)	0969	0.40000	0.00000	0.36150	0.05240	0.01500	4	0.73	5%	0
400.99	Water activity, Miscellaneous (Units)	2083	0.42750	0.00500				1			0
516.43	Arsenic, total, ICP, Microwave (mg / kg (ppm))	2124	0.98005	0.06490				1			0
516.52	Arsenic, total, ICP-MS, Open vessel (mg / kg (ppm))	0555	0.05550	0.00900				1			0
516.53	Arsenic, total, ICP-MS, Microwave (mg / kg (ppm))	0164	0.04250	0.00100				2			0
516.53	Arsenic, total, ICP-MS, Microwave (mg / kg (ppm))	0553	0.26050	0.00500				2			0
518.41	Cadmium, ICP, Dry ash (mg / kg (ppm))	0171	0.36500	0.01000				1			0
518.43	Cadmium, ICP, Microwave (mg / kg (ppm))	0508	0.16605	0.06310				2			0
518.43	Cadmium, ICP, Microwave (mg / kg (ppm))	2124	0.41950	0.00200				2			0
518.52	Cadmium, ICP-MS, Open vessel (mg / kg (ppm))	0555	0.34500	0.01000				1			0
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0164	0.33900	0.00800				2			0
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0553	0.39600	0.04200				2			0
520.41	Chromium, ICP, Dry ash (mg / kg (ppm))	0171	0.91500	0.03000				1			0
520.43	Chromium, ICP, Microwave (mg / kg (ppm))	0510	1.2750	0.09000				1			0
520.52	Chromium, ICP-MS, Open vessel (mg / kg (ppm))	0555	0.70500	0.15000				1			0
520.53	Chromium, ICP-MS, Microwave (mg / kg (ppm))	0553	0.80250	0.11100				2			0
520.53	Chromium, ICP-MS, Microwave (mg / kg (ppm))	2023	0.96500	0.03000				2			0
526.41	Lead, ICP, Dry ash (mg / kg (ppm))	0171	0.17000	0.04000				1			0
526.52	Lead, ICP-MS, Open vessel (mg / kg (ppm))	0555	0.08750	0.01100				1			0
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0164	0.10250	0.00100				2			0
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0553	0.11950	0.00700				2			0
539.41	Nickel, ICP, Dry ash (mg / kg (ppm))	0171	1.2000	0.00000				1			0
539.43	Nickel, ICP, Microwave (mg / kg (ppm))	0508	1.5070	0.43070				1			0
539.52	Nickel, ICP-MS, Open vessel (mg / kg (ppm))	0555	1.4000	0.40000				1			0
539.53	Nickel, ICP-MS, Microwave (mg / kg (ppm))	0553	1.2850	0.03000				2			0
539.53	Nickel, ICP-MS, Microwave (mg / kg (ppm))	2023	1.3350	0.05000				2			0

Notes: Interpreting Z Scores: Red indicates a normally distributed Z value >3 or <-3 (requires action), Orange = Z between 2 and 3 or -2 and -3 (warning) and Green = Z < 2 and >-2 (OK at 95%). Flags indicate data usage: 0 = Used, 1 = Rejected for duplicates too far apart, 2 = Rejected as outlier, 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.