



Method Proficiency Testing Report Pet Food Program

Sample # 201544
Barley

Labs Reporting: 57
Issue Date : 01/31/2016

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			
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0027	11.225	0.05000	11.362	0.12768	0.02150	3			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0034	11.385	0.01000	11.362	0.12768	0.02150	3			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0309	11.477	0.00450	11.362	0.12768	0.02150	3			0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0065	11.589	0.02250	11.774	0.20306	0.14450	5	-0.91	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0512	11.595	0.29000	11.774	0.20306	0.14450	5	-0.88	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0171	11.715	0.05000	11.774	0.20306	0.14450	5	-0.29	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0098	11.930	0.04000	11.774	0.20306	0.14450	5	0.77	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0074	12.040	0.32000	11.774	0.20306	0.14450	5	1.31	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0003	10.575	2.1300	11.774	0.20306	0.14450	5	-5.90	5%	1
001.99	Loss on Drying, Miscellaneous (%)	0510	11.350	0.10000	12.883	1.9662	0.10000	3			0
001.99	Loss on Drying, Miscellaneous (%)	0876	12.200	0.00000	12.883	1.9662	0.10000	3			0
001.99	Loss on Drying, Miscellaneous (%)	0555	15.100	0.20000	12.883	1.9662	0.10000	3			0
002.01	Protein, Auto Kjel-Foss (%)	0870	10.340	0.16000			0.10500	2			0
002.01	Protein, Auto Kjel-Foss (%)	0164	10.495	0.05000			0.10500	2			0
002.02	Protein, Semiauto Autoanalyzer (%)	0042	9.6150	0.17000			0.17000	1			0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0033	9.6800	0.50000	10.599	0.31217	0.12734	46	-2.94	4%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2094	9.8200	0.02000	10.599	0.31217	0.12734	46	-2.50	4%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0042	9.8700	0.06000	10.599	0.31217	0.12734	46	-2.34	3%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0027	10.160	0.40000	10.599	0.31217	0.12734	46	-1.41	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0003	10.185	0.37000	10.599	0.31217	0.12734	46	-1.33	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0202	10.245	0.03000	10.599	0.31217	0.12734	46	-1.13	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0051	10.250	0.10000	10.599	0.31217	0.12734	46	-1.12	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0014	10.300	0.00000	10.599	0.31217	0.12734	46	-0.96	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0959	10.315	0.21000	10.599	0.31217	0.12734	46	-0.91	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0065	10.320	0.01560	10.599	0.31217	0.12734	46	-0.89	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0957	10.325	0.03000	10.599	0.31217	0.12734	46	-0.88	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0964	10.360	0.05600	10.599	0.31217	0.12734	46	-0.77	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0017	10.435	0.09000	10.599	0.31217	0.12734	46	-0.53	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0960	10.435	0.11000	10.599	0.31217	0.12734	46	-0.53	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0407	10.444	0.00100	10.599	0.31217	0.12734	46	-0.50	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0047	10.450	0.10000	10.599	0.31217	0.12734	46	-0.48	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			
002.06	Protein, Combustion Nitrogen Analyzer (%)	0164	10.470	0.06000	10.599	0.31217	0.12734	46	-0.41	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0512	10.495	0.01000	10.599	0.31217	0.12734	46	-0.33	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0553	10.495	0.47000	10.599	0.31217	0.12734	46	-0.33	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0208	10.535	0.17000	10.599	0.31217	0.12734	46	-0.21	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0171	10.550	0.06000	10.599	0.31217	0.12734	46	-0.16	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0309	10.570	0.05600	10.599	0.31217	0.12734	46	-0.09	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0074	10.630	0.02000	10.599	0.31217	0.12734	46	0.10	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2089	10.635	0.01000	10.599	0.31217	0.12734	46	0.12	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0417	10.645	0.07000	10.599	0.31217	0.12734	46	0.15	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0510	10.650	0.10000	10.599	0.31217	0.12734	46	0.16	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0842	10.670	0.04000	10.599	0.31217	0.12734	46	0.23	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0840	10.680	0.02000	10.599	0.31217	0.12734	46	0.26	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	1005	10.685	0.03000	10.599	0.31217	0.12734	46	0.28	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0160	10.700	0.60000	10.599	0.31217	0.12734	46	0.32	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0810	10.725	0.23000	10.599	0.31217	0.12734	46	0.40	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0794	10.730	0.26000	10.599	0.31217	0.12734	46	0.42	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0841	10.745	0.01000	10.599	0.31217	0.12734	46	0.47	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0811	10.760	0.02000	10.599	0.31217	0.12734	46	0.52	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0958	10.790	0.02000	10.599	0.31217	0.12734	46	0.61	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0098	10.850	0.10000	10.599	0.31217	0.12734	46	0.80	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0001	10.860	0.32000	10.599	0.31217	0.12734	46	0.84	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0789	10.865	0.19000	10.599	0.31217	0.12734	46	0.85	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	1010	10.890	0.08000	10.599	0.31217	0.12734	46	0.93	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0511	10.955	0.11000	10.599	0.31217	0.12734	46	1.14	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0034	10.969	0.16900	10.599	0.31217	0.12734	46	1.18	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2050	10.990	0.00000	10.599	0.31217	0.12734	46	1.25	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0790	11.190	0.08000	10.599	0.31217	0.12734	46	1.89	3%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0808	11.445	0.05000	10.599	0.31217	0.12734	46	2.71	4%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0650	12.170	0.38000	10.599	0.31217	0.12734	46	5.03	7%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0876	12.215	0.03000	10.599	0.31217	0.12734	46	5.18	8%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0961	11.055	1.3300	10.599	0.31217	0.12734	46	1.46	2%	1
002.08	Protein, Cu/Ti (%)	0208	10.450	0.10000			0.10000	1			0
002.11	Protein, NIR (%)	2050	9.5200	0.00000	10.875	1.4216	0.03000	3			0
002.11	Protein, NIR (%)	2036	10.750	0.04000	10.875	1.4216	0.03000	3			0
002.11	Protein, NIR (%)	0553	12.355	0.05000	10.875	1.4216	0.03000	3			0
002.99	Protein, Miscellaneous (%)	0970	9.7500	0.50000	10.250	0.44441	0.23333	3			0
002.99	Protein, Miscellaneous (%)	2004	10.400	0.00000	10.250	0.44441	0.23333	3			0
002.99	Protein, Miscellaneous (%)	0969	10.600	0.20000	10.250	0.44441	0.23333	3			0
003.00	Fat, Eth Ext., Direct (%)	0017	1.4500	0.10000	1.5459	0.13150	0.14840	3			0
003.00	Fat, Eth Ext., Direct (%)	0065	1.4919	0.00380	1.5459	0.13150	0.14840	3			0
003.00	Fat, Eth Ext., Direct (%)	0309	1.6958	0.34140	1.5459	0.13150	0.14840	3			0
003.06	Fat, Pet Ether (%)	0164	1.4450	0.33000	1.6033	0.20883	0.14667	3			0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
003.06	Fat, Pet Ether (%)	0511	1.5250	0.05000	1.6033	0.20883	0.14667	3			0
003.06	Fat, Pet Ether (%)	0074	1.8400	0.06000	1.6033	0.20883	0.14667	3			0
003.09	Fat, Soxtec, Eth Ext (%)	0027	1.3000	0.04000	1.3546	0.05133	0.09313	6	-1.06	2%	0
003.09	Fat, Soxtec, Eth Ext (%)	0508	1.3245	0.06780	1.3546	0.05133	0.09313	6	-0.59	1%	0
003.09	Fat, Soxtec, Eth Ext (%)	0098	1.3350	0.23000	1.3546	0.05133	0.09313	6	-0.38	1%	0
003.09	Fat, Soxtec, Eth Ext (%)	0510	1.3500	0.10000	1.3546	0.05133	0.09313	6	-0.09	0%	0
003.09	Fat, Soxtec, Eth Ext (%)	0512	1.4085	0.07900	1.3546	0.05133	0.09313	6	1.05	2%	0
003.09	Fat, Soxtec, Eth Ext (%)	0964	1.4790	0.04200	1.3546	0.05133	0.09313	6	2.42	5%	0
003.10	Fat, Soxtec, Pet Ether (%)	0051	0.90000	0.20000	1.1382	0.16075	0.08418	4	-1.48	10%	0
003.10	Fat, Soxtec, Pet Ether (%)	0870	1.1829	0.03670	1.1382	0.16075	0.08418	4	0.28	2%	0
003.10	Fat, Soxtec, Pet Ether (%)	0553	1.2300	0.02000	1.1382	0.16075	0.08418	4	0.57	4%	0
003.10	Fat, Soxtec, Pet Ether (%)	0098	1.2400	0.08000	1.1382	0.16075	0.08418	4	0.63	4%	0
003.11	Fat, NIR (%)	0553	1.1900	0.02000	1.6600	0.51468	0.04000	3			0
003.11	Fat, NIR (%)	2050	1.5800	0.00000	1.6600	0.51468	0.04000	3			0
003.11	Fat, NIR (%)	2036	2.2100	0.10000	1.6600	0.51468	0.04000	3			0
003.12	Fat, Hexane Ext (%)	0171	1.3050	0.01000			0.01000	1			0
003.13	Fat, Soxtec, Hexane Ext. (%)	2089	1.2800	0.24000	1.3283	0.04537	0.20333	3			0
003.13	Fat, Soxtec, Hexane Ext. (%)	0098	1.3350	0.35000	1.3283	0.04537	0.20333	3			0
003.13	Fat, Soxtec, Hexane Ext. (%)	0033	1.3700	0.02000	1.3283	0.04537	0.20333	3			0
003.14	Fat, Ankom (%)	0003	0.97500	1.2500	1.2690	0.03391	0.41503	4	-8.67	12%	0
003.14	Fat, Ankom (%)	0202	1.2450	0.01000	1.2690	0.03391	0.41503	4	-0.71	1%	0
003.14	Fat, Ankom (%)	0407	1.2930	0.20010	1.2690	0.03391	0.41503	4	0.71	1%	0
003.14	Fat, Ankom (%)	0034	3.6500	0.20000	1.2690	0.03391	0.41503	4	70.22	94%	0
003.99	Fat, Miscellaneous (%)	0047	1.5000	0.00000			0.44000	2			0
003.99	Fat, Miscellaneous (%)	0876	2.5300	0.88000			0.44000	2			0
004.00	Fiber, Crude, Asbestos Free (%)	0969	0.74750	0.05100	0.96609	0.16470	0.15736	8	-1.33	11%	0
004.00	Fiber, Crude, Asbestos Free (%)	0164	0.85000	0.10000	0.96609	0.16470	0.15736	8	-0.70	6%	0
004.00	Fiber, Crude, Asbestos Free (%)	2004	0.88100	0.04200	0.96609	0.16470	0.15736	8	-0.52	4%	0
004.00	Fiber, Crude, Asbestos Free (%)	0309	0.93655	0.10590	0.96609	0.16470	0.15736	8	-0.18	2%	0
004.00	Fiber, Crude, Asbestos Free (%)	2094	0.98000	0.38000	0.96609	0.16470	0.15736	8	0.08	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	0511	1.0000	0.20000	0.96609	0.16470	0.15736	8	0.21	2%	0
004.00	Fiber, Crude, Asbestos Free (%)	0171	1.1850	0.03000	0.96609	0.16470	0.15736	8	1.33	11%	0
004.00	Fiber, Crude, Asbestos Free (%)	0208	1.2650	0.35000	0.96609	0.16470	0.15736	8	1.81	15%	0
004.03	Fiber, Fritted Glass (%)	2089	0.43000	0.00000			0.00000	1			0
004.06	Fiber, Fibertec (%)	0964	0.90000	0.30000	1.1031	0.17049	0.15588	4	-1.19	9%	0
004.06	Fiber, Fibertec (%)	0512	1.0318	0.09450	1.1031	0.17049	0.15588	4	-0.42	3%	0
004.06	Fiber, Fibertec (%)	0098	1.2000	0.18000	1.1031	0.17049	0.15588	4	0.57	4%	0
004.06	Fiber, Fibertec (%)	0027	1.2805	0.04900	1.1031	0.17049	0.15588	4	1.04	8%	0
004.07	Fiber, ANKOM (%)	0510	0.35000	0.10000	0.92555	0.23960	0.16459	10	-2.40	31%	0
004.07	Fiber, ANKOM (%)	0074	0.69500	0.05000	0.92555	0.23960	0.16459	10	-0.96	12%	0
004.07	Fiber, ANKOM (%)	0098	0.72000	0.28000	0.92555	0.23960	0.16459	10	-0.86	11%	0
004.07	Fiber, ANKOM (%)	0876	0.85000	0.30000	0.92555	0.23960	0.16459	10	-0.32	4%	0

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004.07	Fiber, ANKOM (%)	0202	0.94500	0.09000	0.92555	0.23960	0.16459	10	0.08	1%	0
004.07	Fiber, ANKOM (%)	0033	0.95500	0.07000	0.92555	0.23960	0.16459	10	0.12	2%	0
004.07	Fiber, ANKOM (%)	0870	1.1041	0.08500	0.92555	0.23960	0.16459	10	0.75	10%	0
004.07	Fiber, ANKOM (%)	0003	1.1100	0.42000	0.92555	0.23960	0.16459	10	0.77	10%	0
004.07	Fiber, ANKOM (%)	0407	1.1337	0.00090	0.92555	0.23960	0.16459	10	0.87	11%	0
004.07	Fiber, ANKOM (%)	0034	1.1750	0.25000	0.92555	0.23960	0.16459	10	1.04	13%	0
004.11	Fiber, NIR (%)	2050	1.3900	0.00000	2.1733	0.85476	0.08000	3			0
004.11	Fiber, NIR (%)	2036	2.0450	0.07000	2.1733	0.85476	0.08000	3			0
004.11	Fiber, NIR (%)	0553	3.0850	0.17000	2.1733	0.85476	0.08000	3			0
005.00	Ash, 2h @ 600°C (%)	0876	0.97500	0.07000	1.2460	0.06162	0.05081	33	-4.40	11%	0
005.00	Ash, 2h @ 600°C (%)	0047	1.1000	0.40000	1.2460	0.06162	0.05081	33	-2.37	6%	0
005.00	Ash, 2h @ 600°C (%)	0841	1.1400	0.04000	1.2460	0.06162	0.05081	33	-1.72	4%	0
005.00	Ash, 2h @ 600°C (%)	0808	1.1600	0.02000	1.2460	0.06162	0.05081	33	-1.40	3%	0
005.00	Ash, 2h @ 600°C (%)	1010	1.1750	0.01000	1.2460	0.06162	0.05081	33	-1.15	3%	0
005.00	Ash, 2h @ 600°C (%)	0171	1.1900	0.02000	1.2460	0.06162	0.05081	33	-0.91	2%	0
005.00	Ash, 2h @ 600°C (%)	0810	1.1900	0.02000	1.2460	0.06162	0.05081	33	-0.91	2%	0
005.00	Ash, 2h @ 600°C (%)	0017	1.2000	0.00000	1.2460	0.06162	0.05081	33	-0.75	2%	0
005.00	Ash, 2h @ 600°C (%)	0051	1.2000	0.00000	1.2460	0.06162	0.05081	33	-0.75	2%	0
005.00	Ash, 2h @ 600°C (%)	0842	1.2000	0.06000	1.2460	0.06162	0.05081	33	-0.75	2%	0
005.00	Ash, 2h @ 600°C (%)	0960	1.2000	0.04000	1.2460	0.06162	0.05081	33	-0.75	2%	0
005.00	Ash, 2h @ 600°C (%)	0510	1.2350	0.01000	1.2460	0.06162	0.05081	33	-0.18	0%	0
005.00	Ash, 2h @ 600°C (%)	0957	1.2350	0.09000	1.2460	0.06162	0.05081	33	-0.18	0%	0
005.00	Ash, 2h @ 600°C (%)	0042	1.2400	0.12000	1.2460	0.06162	0.05081	33	-0.10	0%	0
005.00	Ash, 2h @ 600°C (%)	0309	1.2468	0.08490	1.2460	0.06162	0.05081	33	0.01	0%	0
005.00	Ash, 2h @ 600°C (%)	0098	1.2550	0.03000	1.2460	0.06162	0.05081	33	0.15	0%	0
005.00	Ash, 2h @ 600°C (%)	0958	1.2550	0.01000	1.2460	0.06162	0.05081	33	0.15	0%	0
005.00	Ash, 2h @ 600°C (%)	0959	1.2550	0.01000	1.2460	0.06162	0.05081	33	0.15	0%	0
005.00	Ash, 2h @ 600°C (%)	0027	1.2570	0.01000	1.2460	0.06162	0.05081	33	0.18	0%	0
005.00	Ash, 2h @ 600°C (%)	0870	1.2623	0.03550	1.2460	0.06162	0.05081	33	0.26	1%	0
005.00	Ash, 2h @ 600°C (%)	0208	1.2650	0.07000	1.2460	0.06162	0.05081	33	0.31	1%	0
005.00	Ash, 2h @ 600°C (%)	0512	1.2715	0.02100	1.2460	0.06162	0.05081	33	0.41	1%	0
005.00	Ash, 2h @ 600°C (%)	0511	1.2750	0.01000	1.2460	0.06162	0.05081	33	0.47	1%	0
005.00	Ash, 2h @ 600°C (%)	0840	1.2750	0.03000	1.2460	0.06162	0.05081	33	0.47	1%	0
005.00	Ash, 2h @ 600°C (%)	0164	1.2800	0.06000	1.2460	0.06162	0.05081	33	0.55	1%	0
005.00	Ash, 2h @ 600°C (%)	0964	1.2915	0.03700	1.2460	0.06162	0.05081	33	0.74	2%	0
005.00	Ash, 2h @ 600°C (%)	0650	1.2950	0.07000	1.2460	0.06162	0.05081	33	0.79	2%	0
005.00	Ash, 2h @ 600°C (%)	0001	1.2976	0.00500	1.2460	0.06162	0.05081	33	0.84	2%	0
005.00	Ash, 2h @ 600°C (%)	2089	1.3000	0.10000	1.2460	0.06162	0.05081	33	0.88	2%	0
005.00	Ash, 2h @ 600°C (%)	0065	1.3157	0.02130	1.2460	0.06162	0.05081	33	1.13	3%	0
005.00	Ash, 2h @ 600°C (%)	0407	1.3977	0.00210	1.2460	0.06162	0.05081	33	2.46	6%	0
005.00	Ash, 2h @ 600°C (%)	0811	1.4500	0.10000	1.2460	0.06162	0.05081	33	3.31	8%	0
005.00	Ash, 2h @ 600°C (%)	0417	1.4650	0.07000	1.2460	0.06162	0.05081	33	3.55	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			
005.00	Ash, 2h @ 600°C (%)	0553	1.5900	0.60000	1.2460	0.06162	0.05081	33	5.58	14%	1
005.00	Ash, 2h @ 600°C (%)	0961	1.8600	0.84000	1.2460	0.06162	0.05081	33	9.96	25%	1
005.05	Ash, 3h @ 550°C (%)	2050	1.1700	0.00000			0.00000	2			0
005.05	Ash, 3h @ 550°C (%)	0003	1.3400	0.00000			0.00000	2			0
005.11	Ash, NIR (%)	2036	1.0800	0.12000			0.06000	2			0
005.11	Ash, NIR (%)	2050	1.1900	0.00000			0.06000	2			0
005.99	Ash, Miscellaneous (%)	2004	1.2100	0.34000	1.2950	0.01871	0.08000	5	-4.54	3%	0
005.99	Ash, Miscellaneous (%)	0969	1.2700	0.00000	1.2950	0.01871	0.08000	5	-1.34	1%	0
005.99	Ash, Miscellaneous (%)	2094	1.2950	0.03000	1.2950	0.01871	0.08000	5	0.00	0%	0
005.99	Ash, Miscellaneous (%)	0970	1.3000	0.00000	1.2950	0.01871	0.08000	5	0.27	0%	0
005.99	Ash, Miscellaneous (%)	0202	1.3150	0.03000	1.2950	0.01871	0.08000	5	1.07	1%	0
006.01	Total sugars, Mod. Fehling Soln (%)	0407	1.7400	0.26000			0.26000	1			0
006.99	Total sugars, Miscellaneous (%)	0969	0.70000	0.00000	0.70500	0.00707	0.05000	3			0
006.99	Total sugars, Miscellaneous (%)	0970	0.71000	0.04000	0.70500	0.00707	0.05000	3			0
006.99	Total sugars, Miscellaneous (%)	2004	1.6250	0.11000	0.70500	0.00707	0.05000	3			0
008.02	Fiber, Acid Detergent (%)	0309	1.1871	0.27700	1.6655	0.53689	0.23925	4	-0.89	14%	0
008.02	Fiber, Acid Detergent (%)	0098	1.2550	0.17000	1.6655	0.53689	0.23925	4	-0.76	12%	0
008.02	Fiber, Acid Detergent (%)	0208	1.9200	0.40000	1.6655	0.53689	0.23925	4	0.47	8%	0
008.02	Fiber, Acid Detergent (%)	0964	2.3000	0.11000	1.6655	0.53689	0.23925	4	1.18	19%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0164	1.4000	0.00000	1.6808	0.33964	0.10745	4	-0.83	8%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0001	1.4900	0.08000	1.6808	0.33964	0.10745	4	-0.56	6%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0407	1.6719	0.23070	1.6808	0.33964	0.10745	4	-0.03	0%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0870	2.1612	0.11910	1.6808	0.33964	0.10745	4	1.41	14%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	2004	0.00000	0.00000	1.6808	0.33964	0.10745	4	-4.95	50%	4
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0098	8.8550	0.17000	10.174	1.8586	0.34217	3			0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0309	9.3685	0.65650	10.174	1.8586	0.34217	3			0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0208	12.300	0.20000	10.174	1.8586	0.34217	3			0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0870	5.7587	0.42000	6.4772	0.79768	0.78044	5	-0.90	6%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	2004	5.8650	0.47000	6.4772	0.79768	0.78044	5	-0.77	5%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0001	6.8850	1.0100	6.4772	0.79768	0.78044	5	0.51	3%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0164	7.4000	0.20000	6.4772	0.79768	0.78044	5	1.16	7%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0407	20.535	1.8022	6.4772	0.79768	0.78044	5	17.62	109%	0
010.03	Moisture, Karl-Fischer (%)	0164	12.090	0.44000			0.27000	2			0
010.03	Moisture, Karl-Fischer (%)	0208	12.250	0.10000			0.27000	2			0
010.11	Moisture, NIR (%)	2036	12.345	0.23000	12.592	0.24261	0.19667	3			0
010.11	Moisture, NIR (%)	2050	12.600	0.00000	12.592	0.24261	0.19667	3			0
010.11	Moisture, NIR (%)	0553	12.830	0.36000	12.592	0.24261	0.19667	3			0
010.99	Moisture, Miscellaneous (%)	0969	10.200	0.00000	11.137	0.74949	0.15520	5	-1.25	4%	0
010.99	Moisture, Miscellaneous (%)	0970	11.000	0.00000	11.137	0.74949	0.15520	5	-0.18	1%	0
010.99	Moisture, Miscellaneous (%)	0964	11.346	0.05600	11.137	0.74949	0.15520	5	0.28	1%	0
010.99	Moisture, Miscellaneous (%)	2004	12.000	0.00000	11.137	0.74949	0.15520	5	1.15	4%	0
010.99	Moisture, Miscellaneous (%)	2089	12.030	0.72000	11.137	0.74949	0.15520	5	1.19	4%	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 (%)	0650	11.370	0.02000	12.010	0.29402	0.10868	23	-2.18	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0553	11.620	0.20000	12.010	0.29402	0.10868	23	-1.32	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0811	11.630	0.06000	12.010	0.29402	0.10868	23	-1.29	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0407	11.680	0.04080	12.010	0.29402	0.10868	23	-1.12	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0051	11.725	0.11000	12.010	0.29402	0.10868	23	-0.97	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0511	11.810	0.42000	12.010	0.29402	0.10868	23	-0.68	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0960	11.815	0.01000	12.010	0.29402	0.10868	23	-0.66	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0870	11.866	0.28890	12.010	0.29402	0.10868	23	-0.49	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0961	11.930	0.04000	12.010	0.29402	0.10868	23	-0.27	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0171	11.950	0.02000	12.010	0.29402	0.10868	23	-0.20	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0510	11.950	0.10000	12.010	0.29402	0.10868	23	-0.20	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0164	11.995	0.25000	12.010	0.29402	0.10868	23	-0.05	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0958	12.095	0.07000	12.010	0.29402	0.10868	23	0.29	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0808	12.105	0.17000	12.010	0.29402	0.10868	23	0.32	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0208	12.200	0.00000	12.010	0.29402	0.10868	23	0.65	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0957	12.220	0.22000	12.010	0.29402	0.10868	23	0.72	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0309	12.225	0.01000	12.010	0.29402	0.10868	23	0.73	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0098	12.250	0.04000	12.010	0.29402	0.10868	23	0.82	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0959	12.260	0.06000	12.010	0.29402	0.10868	23	0.85	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0790	12.270	0.32000	12.010	0.29402	0.10868	23	0.89	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	2094	12.310	0.02000	12.010	0.29402	0.10868	23	1.02	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0202	12.345	0.03000	12.010	0.29402	0.10868	23	1.14	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0033	12.400	0.00000	12.010	0.29402	0.10868	23	1.33	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0047	11.700	0.60000	12.010	0.29402	0.10868	23	-1.05	1%	1
011.02	Loss on Drying, 130°C for 2 hours (%)	0841	11.695	0.07000	12.091	0.18376	0.11567	9	-2.16	2%	0
011.02	Loss on Drying, 130°C for 2 hours (%)	0417	11.965	0.07000	12.091	0.18376	0.11567	9	-0.69	1%	0
011.02	Loss on Drying, 130°C for 2 hours (%)	2083	11.967	0.38100	12.091	0.18376	0.11567	9	-0.68	1%	0
011.02	Loss on Drying, 130°C for 2 hours (%)	1005	12.060	0.22000	12.091	0.18376	0.11567	9	-0.17	0%	0
011.02	Loss on Drying, 130°C for 2 hours (%)	0842	12.085	0.05000	12.091	0.18376	0.11567	9	-0.03	0%	0
011.02	Loss on Drying, 130°C for 2 hours (%)	0794	12.100	0.04000	12.091	0.18376	0.11567	9	0.05	0%	0
011.02	Loss on Drying, 130°C for 2 hours (%)	1010	12.250	0.02000	12.091	0.18376	0.11567	9	0.86	1%	0
011.02	Loss on Drying, 130°C for 2 hours (%)	0789	12.270	0.18000	12.091	0.18376	0.11567	9	0.97	1%	0
011.02	Loss on Drying, 130°C for 2 hours (%)	0840	12.305	0.01000	12.091	0.18376	0.11567	9	1.16	1%	0
011.03	Loss on drying, 130°C, 1 hour, Flour (%)	0810	12.110	0.02000			0.02000	1			0
012.01	Starch, Megazyme (%)	0870	56.851	0.13360			0.16680	2			0
012.01	Starch, Megazyme (%)	2004	59.600	0.20000			0.16680	2			0
012.02	Starch, Colorimetric (GOP) (%)	2089	65.275	0.95000			0.95000	1			0
012.03	Starch, Enzymatic (%)	0098	60.500	5.2000			3.1385	2			0
012.03	Starch, Enzymatic (%)	0407	61.574	1.0770			3.1385	2			0
012.04	Starch, YSI Analyzer (%)	0510	58.250	0.10000	59.332	1.6658	0.71667	3			0
012.04	Starch, YSI Analyzer (%)	0160	58.495	1.3500	59.332	1.6658	0.71667	3			0
012.04	Starch, YSI Analyzer (%)	0208	61.250	0.70000	59.332	1.6658	0.71667	3			0

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012.11	Starch, NIR (%)	2036	58.070	0.92000			0.92000	1			0
013.00	Fat, Acid hydrolysis (%)	0555	1.8500	0.10000	2.0350	0.18250	0.17931	8	-1.01	5%	0
013.00	Fat, Acid hydrolysis (%)	0969	1.9000	0.20000	2.0350	0.18250	0.17931	8	-0.74	3%	0
013.00	Fat, Acid hydrolysis (%)	0970	1.9000	0.00000	2.0350	0.18250	0.17931	8	-0.74	3%	0
013.00	Fat, Acid hydrolysis (%)	0098	1.9650	0.15000	2.0350	0.18250	0.17931	8	-0.38	2%	0
013.00	Fat, Acid hydrolysis (%)	2004	2.0000	0.00000	2.0350	0.18250	0.17931	8	-0.19	1%	0
013.00	Fat, Acid hydrolysis (%)	0202	2.2250	0.09000	2.0350	0.18250	0.17931	8	1.04	5%	0
013.00	Fat, Acid hydrolysis (%)	0309	2.2438	0.50450	2.0350	0.18250	0.17931	8	1.14	5%	0
013.00	Fat, Acid hydrolysis (%)	2094	2.3350	0.39000	2.0350	0.18250	0.17931	8	1.64	7%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0810	1.7100	0.30000	2.0822	0.17182	0.14558	23	-2.17	9%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0957	1.7900	0.20000	2.0822	0.17182	0.14558	23	-1.70	7%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0808	1.9450	0.11000	2.0822	0.17182	0.14558	23	-0.80	3%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0789	1.9500	0.38000	2.0822	0.17182	0.14558	23	-0.77	3%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0842	1.9550	0.01000	2.0822	0.17182	0.14558	23	-0.74	3%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0790	1.9600	0.16000	2.0822	0.17182	0.14558	23	-0.71	3%	0
013.02	Fat, Mojonnier, Bak Ext (%)	1005	1.9600	0.04000	2.0822	0.17182	0.14558	23	-0.71	3%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0794	1.9650	0.03000	2.0822	0.17182	0.14558	23	-0.68	3%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0841	1.9750	0.31000	2.0822	0.17182	0.14558	23	-0.62	3%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0840	2.0000	0.04000	2.0822	0.17182	0.14558	23	-0.48	2%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0958	2.0350	0.47000	2.0822	0.17182	0.14558	23	-0.27	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	1010	2.0450	0.09000	2.0822	0.17182	0.14558	23	-0.22	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0208	2.0950	0.19000	2.0822	0.17182	0.14558	23	0.07	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0171	2.1400	0.00000	2.0822	0.17182	0.14558	23	0.34	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0164	2.1850	0.23000	2.0822	0.17182	0.14558	23	0.60	2%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0870	2.1951	0.11180	2.0822	0.17182	0.14558	23	0.66	3%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0001	2.2486	0.00650	2.0822	0.17182	0.14558	23	0.97	4%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0051	2.2500	0.10000	2.0822	0.17182	0.14558	23	0.98	4%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0553	2.2900	0.10000	2.0822	0.17182	0.14558	23	1.21	5%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0650	2.3000	0.08000	2.0822	0.17182	0.14558	23	1.27	5%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0914	2.3000	0.18000	2.0822	0.17182	0.14558	23	1.27	5%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0959	2.3900	0.12000	2.0822	0.17182	0.14558	23	1.79	7%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0811	2.6850	0.09000	2.0822	0.17182	0.14558	23	3.51	14%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0960	2.3750	0.97000	2.0822	0.17182	0.14558	23	1.70	7%	1
013.12	Fat, NIR- Acid Hydrolysis (%)	0961	1.8350	0.45000			0.45000	1			0
013.13	Fat, Ankom- Acid Hydrolysis (%)	0042	2.5950	0.11000			0.11000	1			0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0171	8.2500	0.30000			0.30000	1			0
019.31	Calcium, AAS, Dry ash (%)	0208	0.02750	0.00100	0.03117	0.00437	0.00100	3			0
019.31	Calcium, AAS, Dry ash (%)	0650	0.03000	0.00000	0.03117	0.00437	0.00100	3			0
019.31	Calcium, AAS, Dry ash (%)	0014	0.03600	0.00200	0.03117	0.00437	0.00100	3			0
019.41	Calcium, ICP, Dry ash (%)	2089	0.02500	0.01000	0.02959	0.00244	0.00186	10	-1.88	8%	0
019.41	Calcium, ICP, Dry ash (%)	0051	0.02780	0.00180	0.02959	0.00244	0.00186	10	-0.73	3%	0
019.41	Calcium, ICP, Dry ash (%)	0164	0.02800	0.00000	0.02959	0.00244	0.00186	10	-0.65	3%	0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
019.41	Calcium, ICP, Dry ash (%)	0512	0.02875	0.00010	0.02959	0.00244	0.00186	10	-0.34	1%	0
019.41	Calcium, ICP, Dry ash (%)	0098	0.02880	0.00300	0.02959	0.00244	0.00186	10	-0.32	1%	0
019.41	Calcium, ICP, Dry ash (%)	0171	0.03000	0.00000	0.02959	0.00244	0.00186	10	0.17	1%	0
019.41	Calcium, ICP, Dry ash (%)	0511	0.03000	0.00000	0.02959	0.00244	0.00186	10	0.17	1%	0
019.41	Calcium, ICP, Dry ash (%)	0208	0.03100	0.00200	0.02959	0.00244	0.00186	10	0.58	2%	0
019.41	Calcium, ICP, Dry ash (%)	0553	0.03325	0.00050	0.02959	0.00244	0.00186	10	1.50	6%	0
019.41	Calcium, ICP, Dry ash (%)	0407	0.03390	0.00120	0.02959	0.00244	0.00186	10	1.77	7%	0
019.41	Calcium, ICP, Dry ash (%)	0003	0.05500	0.03000	0.02959	0.00244	0.00186	10	10.42	43%	1
019.42	Calcium, ICP, Open vessel (%)	0870	0.02300	0.00000	0.03005	0.00886	0.00193	4	-0.80	12%	0
019.42	Calcium, ICP, Open vessel (%)	0555	0.02715	0.00170	0.03005	0.00886	0.00193	4	-0.33	5%	0
019.42	Calcium, ICP, Open vessel (%)	0042	0.03900	0.00600	0.03005	0.00886	0.00193	4	1.01	15%	0
019.42	Calcium, ICP, Open vessel (%)	0202	0.04000	0.00000	0.03005	0.00886	0.00193	4	1.12	17%	0
019.43	Calcium, ICP, Microwave (%)	0964	0.02895	0.00070	0.03036	0.00215	0.00326	5	-0.66	2%	0
019.43	Calcium, ICP, Microwave (%)	2094	0.02900	0.00400	0.03036	0.00215	0.00326	5	-0.63	2%	0
019.43	Calcium, ICP, Microwave (%)	0510	0.03000	0.00000	0.03036	0.00215	0.00326	5	-0.17	1%	0
019.43	Calcium, ICP, Microwave (%)	0098	0.03350	0.00160	0.03036	0.00215	0.00326	5	1.46	5%	0
019.43	Calcium, ICP, Microwave (%)	0027	0.14500	0.01000	0.03036	0.00215	0.00326	5	53.40	189%	0
019.44	Calcium, ICP, Dry ash (%)	0969	0.02725	0.00090	0.02906	0.00174	0.00033	4	-1.04	3%	0
019.44	Calcium, ICP, Dry ash (%)	2004	0.02800	0.00040	0.02906	0.00174	0.00033	4	-0.61	2%	0
019.44	Calcium, ICP, Dry ash (%)	0970	0.03000	0.00000	0.02906	0.00174	0.00033	4	0.54	2%	0
019.44	Calcium, ICP, Dry ash (%)	0065	0.03100	0.00000	0.02906	0.00174	0.00033	4	1.12	3%	0
019.52	Calcium, ICP-MS, Open vessel (%)	0047	0.03000	0.00200			0.00200	1			0
019.53	Calcium, ICP-MS, Microwave (%)	0876	0.10700	0.00200			7.9010	2			0
019.53	Calcium, ICP-MS, Microwave (%)	0034	363.10	15.800			7.9010	2			0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0964	0.01230	0.00240			0.00240	1			0
021.52	Cobalt, ICP-MS, Open vessel (mg / kg (ppm))	0555	0.00000	0.00000			0.00000	0			4
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0208	5.3250	0.11000			0.11000	1			0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	2089	4.1400	1.0000	5.4032	0.84520	0.66852	9	-1.49	12%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0511	4.5000	1.0000	5.4032	0.84520	0.66852	9	-1.07	8%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0051	5.0650	0.01000	5.4032	0.84520	0.66852	9	-0.40	3%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0098	5.1100	0.78000	5.4032	0.84520	0.66852	9	-0.35	3%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0164	5.3650	0.05000	5.4032	0.84520	0.66852	9	-0.05	0%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0407	5.7106	0.27570	5.4032	0.84520	0.66852	9	0.36	3%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0171	5.8500	0.50000	5.4032	0.84520	0.66852	9	0.53	4%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0512	6.2985	0.40100	5.4032	0.84520	0.66852	9	1.06	8%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0003	7.0000	2.0000	5.4032	0.84520	0.66852	9	1.89	15%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0555	5.2000	0.00000	7.7353	3.7273	0.29800	4	-0.68	16%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0870	5.9910	0.20200	7.7353	3.7273	0.29800	4	-0.47	11%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0042	6.3700	0.98000	7.7353	3.7273	0.29800	4	-0.37	9%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0202	12.015	0.01000	7.7353	3.7273	0.29800	4	1.15	28%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0017	1.8095	0.05700	4.9342	1.8439	0.23458	5	-1.69	32%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0510	5.0000	0.00000	4.9342	1.8439	0.23458	5	0.04	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			
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0964	5.6037	0.18990	4.9342	1.8439	0.23458	5	0.36	7%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0098	5.6150	0.27000	4.9342	1.8439	0.23458	5	0.37	7%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0027	6.6430	0.65600	4.9342	1.8439	0.23458	5	0.93	17%	0
022.44	Copper, ICP, Dry ash (mg / kg (ppm))	2004	5.2550	0.07000	5.2933	0.03547	0.15333	3			0
022.44	Copper, ICP, Dry ash (mg / kg (ppm))	0970	5.3000	0.20000	5.2933	0.03547	0.15333	3			0
022.44	Copper, ICP, Dry ash (mg / kg (ppm))	0969	5.3250	0.19000	5.2933	0.03547	0.15333	3			0
022.52	Copper, ICP-MS, Open vessel (mg / kg (ppm))	0047	4.0750	0.09000			0.64500	2			0
022.52	Copper, ICP-MS, Open vessel (mg / kg (ppm))	0555	5.6000	1.2000			0.64500	2			0
024.99	Iodine, Miscellaneous (mg / kg (ppm))	0969	0.00000	0.00000				0			4
024.99	Iodine, Miscellaneous (mg / kg (ppm))	0970	0.00000	0.00000				0			4
024.99	Iodine, Miscellaneous (mg / kg (ppm))	2004	0.00000	0.00000				0			4
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0208	27.650	0.70000			0.70000	1			0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0511	22.000	4.0000	27.409	1.8506	0.87555	11	-2.92	10%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0051	26.000	0.00000	27.409	1.8506	0.87555	11	-0.76	3%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0970	26.000	0.00000	27.409	1.8506	0.87555	11	-0.76	3%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0098	26.275	0.61000	27.409	1.8506	0.87555	11	-0.61	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	2004	26.550	0.90000	27.409	1.8506	0.87555	11	-0.46	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0969	27.000	0.60000	27.409	1.8506	0.87555	11	-0.22	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0164	28.000	0.00000	27.409	1.8506	0.87555	11	0.32	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0512	29.705	0.05000	27.409	1.8506	0.87555	11	1.24	4%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0208	30.760	1.5800	27.409	1.8506	0.87555	11	1.81	6%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0171	30.800	0.20000	27.409	1.8506	0.87555	11	1.83	6%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0407	32.116	1.6910	27.409	1.8506	0.87555	11	2.54	9%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0003	36.000	8.0000	27.409	1.8506	0.87555	11	4.64	16%	1
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0555	27.000	0.00000	27.030	0.04243	13.173	3			0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0870	27.060	1.2200	27.030	0.04243	13.173	3			0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0042	57.250	38.300	27.030	0.04243	13.173	3			0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0017	19.575	0.47000	27.691	5.0101	2.6385	5	-1.62	15%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0510	26.500	1.0000	27.691	5.0101	2.6385	5	-0.24	2%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0964	29.729	1.8427	27.691	5.0101	2.6385	5	0.41	4%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0027	30.195	6.7700	27.691	5.0101	2.6385	5	0.50	5%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0098	32.455	3.1100	27.691	5.0101	2.6385	5	0.95	9%	0
025.52	Iron, ICP-MS, Open vessel (mg / kg (ppm))	0555	26.000	4.0000			6.8000	2			0
025.52	Iron, ICP-MS, Open vessel (mg / kg (ppm))	0047	79.000	9.6000			6.8000	2			0
027.31	Magnesium, AAS, Dry ash (%)	0001	0.08115	0.00930	0.08738	0.00576	0.01058	4	-1.08	4%	0
027.31	Magnesium, AAS, Dry ash (%)	0208	0.08850	0.00100	0.08738	0.00576	0.01058	4	0.19	1%	0
027.31	Magnesium, AAS, Dry ash (%)	0014	0.09250	0.00100	0.08738	0.00576	0.01058	4	0.89	3%	0
027.31	Magnesium, AAS, Dry ash (%)	0650	0.88950	0.03100	0.08738	0.00576	0.01058	4	139.33	459%	0
027.41	Magnesium, ICP, Dry ash (%)	0511	0.08500	0.01000	0.09062	0.00443	0.00319	11	-1.27	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0164	0.08595	0.00030	0.09062	0.00443	0.00319	11	-1.06	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0051	0.08760	0.00060	0.09062	0.00443	0.00319	11	-0.68	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0512	0.08885	0.00030	0.09062	0.00443	0.00319	11	-0.40	1%	0

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027.41	Magnesium, ICP, Dry ash (%)	0098	0.08915	0.00590	0.09062	0.00443	0.00319	11	-0.33	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0171	0.09000	0.00000	0.09062	0.00443	0.00319	11	-0.14	0%	0
027.41	Magnesium, ICP, Dry ash (%)	2089	0.09000	0.00000	0.09062	0.00443	0.00319	11	-0.14	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0407	0.09400	0.00000	0.09062	0.00443	0.00319	11	0.76	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0208	0.09450	0.00300	0.09062	0.00443	0.00319	11	0.88	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0003	0.09500	0.01000	0.09062	0.00443	0.00319	11	0.99	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0553	0.09680	0.00500	0.09062	0.00443	0.00319	11	1.40	3%	0
027.42	Magnesium, ICP, Open vessel (%)	0555	0.08850	0.00500	0.09488	0.00743	0.00275	4	-0.86	3%	0
027.42	Magnesium, ICP, Open vessel (%)	0870	0.08850	0.00100	0.09488	0.00743	0.00275	4	-0.86	3%	0
027.42	Magnesium, ICP, Open vessel (%)	0202	0.10000	0.00000	0.09488	0.00743	0.00275	4	0.69	3%	0
027.42	Magnesium, ICP, Open vessel (%)	0042	0.10250	0.00500	0.09488	0.00743	0.00275	4	1.03	4%	0
027.43	Magnesium, ICP, Microwave (%)	0510	0.09000	0.00000	0.09470	0.00186	0.00393	6	-2.52	2%	0
027.43	Magnesium, ICP, Microwave (%)	0034	0.09335	0.00210	0.09470	0.00186	0.00393	6	-0.72	1%	0
027.43	Magnesium, ICP, Microwave (%)	0098	0.09440	0.00380	0.09470	0.00186	0.00393	6	-0.16	0%	0
027.43	Magnesium, ICP, Microwave (%)	0964	0.09565	0.00470	0.09470	0.00186	0.00393	6	0.51	1%	0
027.43	Magnesium, ICP, Microwave (%)	0027	0.09600	0.00400	0.09470	0.00186	0.00393	6	0.70	1%	0
027.43	Magnesium, ICP, Microwave (%)	0017	0.09650	0.00900	0.09470	0.00186	0.00393	6	0.97	1%	0
027.44	Magnesium, ICP, Dry ash (%)	0065	0.08725	0.00150	0.08842	0.00142	3.7506	4	-0.82	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2004	0.08800	0.00080	0.08842	0.00142	3.7506	4	-0.29	0%	0
027.44	Magnesium, ICP, Dry ash (%)	0970	0.09000	0.00000	0.08842	0.00142	3.7506	4	1.11	1%	0
027.44	Magnesium, ICP, Dry ash (%)	0969	871.50	15.000	0.08842	0.00142	3.7506	4	612996.62	492787%	0
027.52	Magnesium, ICP-MS, Open vessel (%)	0047	0.11000	0.02000			0.02000	1			0
027.53	Magnesium, ICP-MS, Microwave (%)	0034	0.08640	0.00120			0.00210	2			0
027.53	Magnesium, ICP-MS, Microwave (%)	0876	0.17150	0.00300			0.00210	2			0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0208	10.300	0.00000			0.00000	1			0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0511	9.0000	0.00000	10.490	0.42907	0.12036	8	-3.47	7%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0051	10.180	0.28000	10.490	0.42907	0.12036	8	-0.72	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0164	10.400	0.00000	10.490	0.42907	0.12036	8	-0.21	0%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	2089	10.450	0.24000	10.490	0.42907	0.12036	8	-0.09	0%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0098	10.470	0.08000	10.490	0.42907	0.12036	8	-0.05	0%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0512	10.740	0.20000	10.490	0.42907	0.12036	8	0.58	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0171	10.750	0.10000	10.490	0.42907	0.12036	8	0.61	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0407	11.696	0.06290	10.490	0.42907	0.12036	8	2.81	6%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0003	13.500	3.0000	10.490	0.42907	0.12036	8	7.02	14%	1
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0870	9.9280	0.52400	11.036	1.0519	0.33350	4	-1.05	5%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0555	10.350	0.50000	11.036	1.0519	0.33350	4	-0.65	3%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0042	11.850	0.30000	11.036	1.0519	0.33350	4	0.77	4%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0202	12.015	0.01000	11.036	1.0519	0.33350	4	0.93	4%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0017	6.8335	0.48900	10.387	2.1898	0.47802	5	-1.62	17%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0510	10.000	0.00000	10.387	2.1898	0.47802	5	-0.18	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0098	10.985	0.53000	10.387	2.1898	0.47802	5	0.27	3%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0964	11.574	0.85110	10.387	2.1898	0.47802	5	0.54	6%	0

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028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0027	12.540	0.52000	10.387	2.1898	0.47802	5	0.98	10%	0
028.44	Manganese, ICP, Dry ash (mg / kg (ppm))	0969	10.350	0.30000	10.500	0.00000	0.50000	3			0
028.44	Manganese, ICP, Dry ash (mg / kg (ppm))	0970	10.500	1.0000	10.500	0.00000	0.50000	3			0
028.44	Manganese, ICP, Dry ash (mg / kg (ppm))	2004	10.500	0.20000	10.500	0.00000	0.50000	3			0
028.52	Manganese, ICP-MS, Open vessel (mg / kg (ppm))	0555	10.500	1.0000			1.1400	2			0
028.52	Manganese, ICP-MS, Open vessel (mg / kg (ppm))	0047	12.900	1.2800			1.1400	2			0
028.53	Manganese, ICP-MS, Microwave (mg / kg (ppm))	0034	10.175	0.21000			0.21000	1			0
031.01	Phosphorus, Photometric (%)	0208	0.26400	0.00400	0.27300	0.00819	0.00467	3			0
031.01	Phosphorus, Photometric (%)	0650	0.27500	0.01000	0.27300	0.00819	0.00467	3			0
031.01	Phosphorus, Photometric (%)	0511	0.28000	0.00000	0.27300	0.00819	0.00467	3			0
031.03	Phosphorus, Autoanalyzer (%)	0047	0.24500	0.01000			0.00550	2			0
031.03	Phosphorus, Autoanalyzer (%)	0001	0.26650	0.00100			0.00550	2			0
031.41	Phosphorus, ICP, Dry ash (%)	0051	0.25965	0.00330	0.27256	0.01165	0.01349	10	-1.11	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	2089	0.26000	0.00000	0.27256	0.01165	0.01349	10	-1.08	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0164	0.26700	0.00400	0.27256	0.01165	0.01349	10	-0.48	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0171	0.26750	0.00500	0.27256	0.01165	0.01349	10	-0.43	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0098	0.26805	0.02430	0.27256	0.01165	0.01349	10	-0.39	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0553	0.27050	0.04100	0.27256	0.01165	0.01349	10	-0.18	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0512	0.27500	0.00280	0.27256	0.01165	0.01349	10	0.21	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0407	0.29695	0.00050	0.27256	0.01165	0.01349	10	2.09	4%	0
031.41	Phosphorus, ICP, Dry ash (%)	0208	0.29800	0.00400	0.27256	0.01165	0.01349	10	2.18	5%	0
031.41	Phosphorus, ICP, Dry ash (%)	0003	0.32500	0.05000	0.27256	0.01165	0.01349	10	4.50	10%	0
031.42	Phosphorus, ICP, Open vessel (%)	0870	0.25125	0.01310	0.25981	0.01098	0.00790	5	-0.78	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0042	0.25200	0.00400	0.25981	0.01098	0.00790	5	-0.71	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0555	0.25230	0.01540	0.25981	0.01098	0.00790	5	-0.68	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0202	0.27000	0.00000	0.25981	0.01098	0.00790	5	0.93	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0014	0.27350	0.00700	0.25981	0.01098	0.00790	5	1.25	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0017	0.21550	0.01700	0.28481	0.04121	0.01630	8	-1.68	12%	0
031.43	Phosphorus, ICP, Microwave (%)	0510	0.25000	0.00000	0.28481	0.04121	0.01630	8	-0.84	6%	0
031.43	Phosphorus, ICP, Microwave (%)	0033	0.26500	0.01000	0.28481	0.04121	0.01630	8	-0.48	3%	0
031.43	Phosphorus, ICP, Microwave (%)	2094	0.28550	0.03500	0.28481	0.04121	0.01630	8	0.02	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0964	0.28760	0.01480	0.28481	0.04121	0.01630	8	0.07	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0027	0.30150	0.00500	0.28481	0.04121	0.01630	8	0.40	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0098	0.31580	0.00860	0.28481	0.04121	0.01630	8	0.75	5%	0
031.43	Phosphorus, ICP, Microwave (%)	0876	0.43000	0.04000	0.28481	0.04121	0.01630	8	3.52	25%	0
031.44	Phosphorus, ICP, Dry ash (%)	0969	0.26200	0.00800	0.26648	0.00585	0.00805	4	-0.76	1%	0
031.44	Phosphorus, ICP, Dry ash (%)	2004	0.26350	0.00500	0.26648	0.00585	0.00805	4	-0.51	1%	0
031.44	Phosphorus, ICP, Dry ash (%)	0065	0.26540	0.00920	0.26648	0.00585	0.00805	4	-0.18	0%	0
031.44	Phosphorus, ICP, Dry ash (%)	0970	0.27500	0.01000	0.26648	0.00585	0.00805	4	1.46	2%	0
031.53	Phosphorus, ICP-MS, Microwave (%)	0034	0.26220	0.00600			0.00600	1			0
032.02	Potassium, Flame Emission (%)	0047	0.33000	0.02000			0.02000	1			0
032.31	Potassium, AAS, Dry ash (%)	0014	0.31700	0.00400	0.31950	0.00354	0.06600	3			0

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032.31	Potassium, AAS, Dry ash (%)	0208	0.32200	0.01400	0.31950	0.00354	0.06600	3			0
032.31	Potassium, AAS, Dry ash (%)	0650	3.4200	0.18000	0.31950	0.00354	0.06600	3			0
032.41	Potassium, ICP, Dry ash (%)	0511	0.27500	0.03000	0.32348	0.01427	0.01098	10	-3.40	7%	0
032.41	Potassium, ICP, Dry ash (%)	0003	0.29500	0.01000	0.32348	0.01427	0.01098	10	-1.99	4%	0
032.41	Potassium, ICP, Dry ash (%)	0164	0.31100	0.00200	0.32348	0.01427	0.01098	10	-0.87	2%	0
032.41	Potassium, ICP, Dry ash (%)	0208	0.31600	0.00800	0.32348	0.01427	0.01098	10	-0.52	1%	0
032.41	Potassium, ICP, Dry ash (%)	2089	0.32500	0.01000	0.32348	0.01427	0.01098	10	0.11	0%	0
032.41	Potassium, ICP, Dry ash (%)	0171	0.32800	0.00400	0.32348	0.01427	0.01098	10	0.32	1%	0
032.41	Potassium, ICP, Dry ash (%)	0098	0.33000	0.02000	0.32348	0.01427	0.01098	10	0.46	1%	0
032.41	Potassium, ICP, Dry ash (%)	0051	0.33200	0.02440	0.32348	0.01427	0.01098	10	0.60	1%	0
032.41	Potassium, ICP, Dry ash (%)	0512	0.33325	0.00010	0.32348	0.01427	0.01098	10	0.68	2%	0
032.41	Potassium, ICP, Dry ash (%)	0407	0.40875	0.00130	0.32348	0.01427	0.01098	10	5.97	13%	0
032.41	Potassium, ICP, Dry ash (%)	0553	0.33550	0.05900	0.32348	0.01427	0.01098	10	0.84	2%	1
032.42	Potassium, ICP, Open vessel (%)	0555	0.32775	0.02450	0.33621	0.00575	0.00828	4	-1.47	1%	0
032.42	Potassium, ICP, Open vessel (%)	0042	0.33750	0.00100	0.33621	0.00575	0.00828	4	0.22	0%	0
032.42	Potassium, ICP, Open vessel (%)	0870	0.33960	0.00760	0.33621	0.00575	0.00828	4	0.59	1%	0
032.42	Potassium, ICP, Open vessel (%)	0202	0.34000	0.00000	0.33621	0.00575	0.00828	4	0.66	1%	0
032.43	Potassium, ICP, Microwave (%)	0017	0.28550	0.14500	0.34309	0.01965	0.04642	5	-2.93	8%	0
032.43	Potassium, ICP, Microwave (%)	0510	0.32500	0.01000	0.34309	0.01965	0.04642	5	-0.92	3%	0
032.43	Potassium, ICP, Microwave (%)	0098	0.33000	0.04000	0.34309	0.01965	0.04642	5	-0.67	2%	0
032.43	Potassium, ICP, Microwave (%)	0964	0.34935	0.01910	0.34309	0.01965	0.04642	5	0.32	1%	0
032.43	Potassium, ICP, Microwave (%)	0027	0.36800	0.01800	0.34309	0.01965	0.04642	5	1.27	4%	0
032.44	Potassium, ICP, Dry ash (%)	2004	0.31600	0.00400	0.32585	0.00725	0.00630	4	-1.36	2%	0
032.44	Potassium, ICP, Dry ash (%)	0969	0.32500	0.01400	0.32585	0.00725	0.00630	4	-0.12	0%	0
032.44	Potassium, ICP, Dry ash (%)	0970	0.33000	0.00000	0.32585	0.00725	0.00630	4	0.57	1%	0
032.44	Potassium, ICP, Dry ash (%)	0065	0.33240	0.00720	0.32585	0.00725	0.00630	4	0.90	1%	0
032.53	Potassium, ICP-MS, Microwave (%)	0034	0.35940	0.00280			0.03640	2			0
032.53	Potassium, ICP-MS, Microwave (%)	0876	0.56500	0.07000			0.03640	2			0
032.99	Potassium, Miscellaneous (%)	0001	0.30150	0.01500			0.01500	1			0
033.01	Salt as chloride, Poten Cl (%)	0098	0.13500	0.03000	0.16600	0.02382	0.01400	5	-1.30	9%	0
033.01	Salt as chloride, Poten Cl (%)	0407	0.15500	0.00000	0.16600	0.02382	0.01400	5	-0.46	3%	0
033.01	Salt as chloride, Poten Cl (%)	0164	0.16000	0.00000	0.16600	0.02382	0.01400	5	-0.25	2%	0
033.01	Salt as chloride, Poten Cl (%)	0510	0.19000	0.02000	0.16600	0.02382	0.01400	5	1.01	7%	0
033.01	Salt as chloride, Poten Cl (%)	0650	0.19000	0.02000	0.16600	0.02382	0.01400	5	1.01	7%	0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0164	0.46500	0.01000			0.01000	1			0
034.52	Selenium, ICP-MS, Open vessel (mg / kg (ppm))	0555	0.49500	0.05000			0.05000	1			0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0553	0.49200	0.04800			0.04800	1			0
034.99	Selenium, Miscellaneous (mg / kg (ppm))	0970	0.47000	0.00000	0.47467	0.00451	0.01133	3			0
034.99	Selenium, Miscellaneous (mg / kg (ppm))	0555	0.47500	0.01000	0.47467	0.00451	0.01133	3			0
034.99	Selenium, Miscellaneous (mg / kg (ppm))	2004	0.47900	0.02400	0.47467	0.00451	0.01133	3			0
035.31	Sodium, AAS, Dry ash (%)	0014	0.01150	0.00100			0.00100	1			0
035.41	Sodium, ICP, Dry ash (%)	0553	0.00510	0.00000	0.00709	0.00165	0.00043	9	-1.20	14%	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			
035.41	Sodium, ICP, Dry ash (%)	0051	0.00595	0.00030	0.00709	0.00165	0.00043	9	-0.69	8%	0
035.41	Sodium, ICP, Dry ash (%)	0164	0.00600	0.00000	0.00709	0.00165	0.00043	9	-0.66	8%	0
035.41	Sodium, ICP, Dry ash (%)	0098	0.00615	0.00070	0.00709	0.00165	0.00043	9	-0.57	7%	0
035.41	Sodium, ICP, Dry ash (%)	0208	0.00700	0.00000	0.00709	0.00165	0.00043	9	-0.05	1%	0
035.41	Sodium, ICP, Dry ash (%)	0512	0.00735	0.00110	0.00709	0.00165	0.00043	9	0.16	2%	0
035.41	Sodium, ICP, Dry ash (%)	0407	0.00780	0.00080	0.00709	0.00165	0.00043	9	0.43	5%	0
035.41	Sodium, ICP, Dry ash (%)	0171	0.01350	0.00100	0.00709	0.00165	0.00043	9	3.88	45%	0
035.41	Sodium, ICP, Dry ash (%)	0065	0.01500	0.00000	0.00709	0.00165	0.00043	9	4.78	56%	0
035.41	Sodium, ICP, Dry ash (%)	0003	0.01800	0.00400	0.00709	0.00165	0.00043	9	6.60	77%	1
035.41	Sodium, ICP, Dry ash (%)	0969	0.00000	0.00000	0.00709	0.00165	0.00043	9	-4.29	50%	4
035.41	Sodium, ICP, Dry ash (%)	0970	0.00000	0.00000	0.00709	0.00165	0.00043	9	-4.29	50%	4
035.41	Sodium, ICP, Dry ash (%)	2004	0.00000	0.00000	0.00709	0.00165	0.00043	9	-4.29	50%	4
035.41	Sodium, ICP, Dry ash (%)	2089	0.00000	0.00000	0.00709	0.00165	0.00043	9	-4.29	50%	4
035.42	Sodium, ICP, Open vessel (%)	0555	0.00555	0.00030	0.00805	0.00228	0.00037	3			0
035.42	Sodium, ICP, Open vessel (%)	0870	0.00860	0.00080	0.00805	0.00228	0.00037	3			0
035.42	Sodium, ICP, Open vessel (%)	0202	0.01000	0.00000	0.00805	0.00228	0.00037	3			0
035.43	Sodium, ICP, Microwave (%)	2094	0.00500	0.00000	0.00520	0.00023	0.00180	5	-0.88	2%	0
035.43	Sodium, ICP, Microwave (%)	0098	0.00505	0.00090	0.00520	0.00023	0.00180	5	-0.66	1%	0
035.43	Sodium, ICP, Microwave (%)	0964	0.00525	0.00010	0.00520	0.00023	0.00180	5	0.22	0%	0
035.43	Sodium, ICP, Microwave (%)	0510	0.00550	0.00100	0.00520	0.00023	0.00180	5	1.32	3%	0
035.43	Sodium, ICP, Microwave (%)	0017	0.01050	0.00700	0.00520	0.00023	0.00180	5	23.32	51%	0
036.04	Sulfur, LECO (%)	0001	0.12750	0.01900			0.00950	2			0
036.04	Sulfur, LECO (%)	0098	0.14000	0.00000			0.00950	2			0
036.42	Sulfur, ICP, Open vessel (%)	0555	0.11795	0.00410	0.12971	0.00925	0.00507	7	-1.27	5%	0
036.42	Sulfur, ICP, Open vessel (%)	0870	0.12290	0.01020	0.12971	0.00925	0.00507	7	-0.74	3%	0
036.42	Sulfur, ICP, Open vessel (%)	0164	0.12500	0.01000	0.12971	0.00925	0.00507	7	-0.51	2%	0
036.42	Sulfur, ICP, Open vessel (%)	0202	0.13000	0.00000	0.12971	0.00925	0.00507	7	0.03	0%	0
036.42	Sulfur, ICP, Open vessel (%)	2089	0.13500	0.01000	0.12971	0.00925	0.00507	7	0.57	2%	0
036.42	Sulfur, ICP, Open vessel (%)	0407	0.13660	0.00020	0.12971	0.00925	0.00507	7	0.75	3%	0
036.42	Sulfur, ICP, Open vessel (%)	0171	0.14050	0.00100	0.12971	0.00925	0.00507	7	1.17	4%	0
036.43	Sulfur, ICP, Microwave (%)	0510	0.13000	0.00000	0.13700	0.01127	0.00030	4	-0.62	3%	0
036.43	Sulfur, ICP, Microwave (%)	0027	0.13100	0.00000	0.13700	0.01127	0.00030	4	-0.53	2%	0
036.43	Sulfur, ICP, Microwave (%)	0964	0.13400	0.00120	0.13700	0.01127	0.00030	4	-0.27	1%	0
036.43	Sulfur, ICP, Microwave (%)	0098	0.15000	0.00000	0.13700	0.01127	0.00030	4	1.15	5%	0
036.53	Sulfur, ICP-MS, Microwave (%)	0034	0.12590	0.00560			0.01480	2			0
036.53	Sulfur, ICP-MS, Microwave (%)	0553	0.12700	0.02400			0.01480	2			0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0001	24.040	1.3400			1.4200	2			0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0208	27.350	1.5000			1.4200	2			0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0511	26.500	3.0000	29.878	3.2184	1.8343	11	-1.05	6%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	2089	26.770	3.0800	29.878	3.2184	1.8343	11	-0.97	5%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0164	27.500	1.0000	29.878	3.2184	1.8343	11	-0.74	4%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0208	28.015	1.5100	29.878	3.2184	1.8343	11	-0.58	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	
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0051	28.470	0.66000	29.878	3.2184	1.8343	11	-0.44	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0098	28.920	1.7000	29.878	3.2184	1.8343	11	-0.30	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0512	29.625	0.45000	29.878	3.2184	1.8343	11	-0.08	0%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0553	31.750	3.1000	29.878	3.2184	1.8343	11	0.58	3%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0407	34.956	0.37690	29.878	3.2184	1.8343	11	1.58	8%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0171	35.050	0.30000	29.878	3.2184	1.8343	11	1.61	9%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0003	41.500	5.0000	29.878	3.2184	1.8343	11	3.61	19%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0042	24.000	23.000	28.432	2.8769	6.0875	4	-1.54	8%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0870	25.795	0.35000	28.432	2.8769	6.0875	4	-0.92	5%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0555	28.000	0.00000	28.432	2.8769	6.0875	4	-0.15	1%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0202	31.500	1.0000	28.432	2.8769	6.0875	4	1.07	5%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0017	21.080	0.47500	34.845	14.491	0.84976	5	-0.95	20%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0510	28.500	1.0000	34.845	14.491	0.84976	5	-0.44	9%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0964	30.894	2.6538	34.845	14.491	0.84976	5	-0.27	6%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0098	34.950	0.12000	34.845	14.491	0.84976	5	0.01	0%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0027	54.850	0.00000	34.845	14.491	0.84976	5	1.38	29%	0
037.44	Zinc, ICP, Dry ash (mg / kg (ppm))	0969	28.400	0.80000	28.883	0.56199	0.76667	3			0
037.44	Zinc, ICP, Dry ash (mg / kg (ppm))	2004	28.750	0.50000	28.883	0.56199	0.76667	3			0
037.44	Zinc, ICP, Dry ash (mg / kg (ppm))	0970	29.500	1.0000	28.883	0.56199	0.76667	3			0
037.52	Zinc, ICP-MS, Open vessel (mg / kg (ppm))	0555	29.000	0.00000			0.95000	2			0
037.52	Zinc, ICP-MS, Open vessel (mg / kg (ppm))	0047	30.450	1.9000			0.95000	2			0
038.42	Molybdenum, ICP, Open vessel (mg / kg (ppm))	0555	0.95000	0.00000			0.00000	1			0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0510	0.95000	0.10000			0.10000	1			0
038.52	Molybdenum, ICP-MS, Open vessel (mg / kg (ppm))	0555	1.0500	0.10000			0.10000	1			0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	0553	1.0350	0.03000			0.03000	1			0
040.52	Barium, ICP-MS, Open vessel (mg / kg (ppm))	0555	1.3000	0.20000			0.20000	1			0
041.52	Vanadium, ICP-MS, Open vessel (mg / kg (ppm))	0555	0.29000	0.14000			0.14000	1			0
042.00	Chloride, Titrimetric (%)	0969	0.09450	0.00100			0.00050	2			0
042.00	Chloride, Titrimetric (%)	2004	0.09780	0.00000			0.00050	2			0
042.99	Chloride, Miscellaneous (%)	0970	0.10000	0.00000			0.00000	1			0
101.01	Choline Chloride, Chem (mg / kg (ppm))	2004	1,200.0	20.000			20.000	1			0
101.02	Choline Chloride, LC (mg / kg (ppm))	0227	1,280.0	100.00			100.00	1			0
102.01	Niacin, Microbiological (mg / kg (ppm))	0227	46.500	0.60000	56.183	8.6511	1.1000	3			0
102.01	Niacin, Microbiological (mg / kg (ppm))	2004	58.900	0.40000	56.183	8.6511	1.1000	3			0
102.01	Niacin, Microbiological (mg / kg (ppm))	0969	63.150	2.3000	56.183	8.6511	1.1000	3			0
103.01	Pantothenic Acid, Microbiological (mg / kg (ppm))	0227	1.7250	0.03000			0.03000	1			0
103.02	Pantothenic Acid, LC (mg / kg (ppm))	2004	2.7500	0.10000			0.50000	2			0
103.02	Pantothenic Acid, LC (mg / kg (ppm))	0969	9.4500	0.90000			0.50000	2			0
104.02	Riboflavin, Microbiological, Turbidity (mg / kg (ppm))	2004	1.1500	0.10000			0.05000	2			0
104.02	Riboflavin, Microbiological, Turbidity (mg / kg (ppm))	0969	1.6000	0.00000			0.05000	2			0
105.99	Thiamine, Miscellaneous (mg / kg (ppm))	0969	1.6500	0.10000			0.05000	2			0
105.99	Thiamine, Miscellaneous (mg / kg (ppm))	2004	1.7000	0.00000			0.05000	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			
106.02	Vitamin A, LC (KU / kg)	0969	0.00000	0.00000				0			4
106.02	Vitamin A, LC (KU / kg)	0970	0.00000	0.00000				0			4
106.02	Vitamin A, LC (KU / kg)	2004	0.00000	0.00000				0			4
107.00	Vitamin B12, Microbiological (µg / kg (ppb))	2004	1.7000	0.40000				1			0
107.00	Vitamin B12, Microbiological (µg / kg (ppb))	0969	0.00000	0.00000				1			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)	0969	0.00000	0.00000				0			4
109.02	Vitamin E, LC (IU/kg)	0970	0.00000	0.00000				0			4
109.02	Vitamin E, LC (IU/kg)	2004	0.00000	0.00000				0			4
112.00	Pyridoxine, Vitamin B6 (µg / g)	0969	2.2600	0.16000	2.3050	0.06364	46.860	3			0
112.00	Pyridoxine, Vitamin B6 (µg / g)	0227	2.3500	0.42000	2.3050	0.06364	46.860	3			0
112.00	Pyridoxine, Vitamin B6 (µg / g)	2004	2,040.0	140.00	2.3050	0.06364	46.860	3			0
113.01	Folic Acid, Micro (mg / kg (ppm))	0227	0.22300	0.02000	0.23100	0.00917	0.01267	3			0
113.01	Folic Acid, Micro (mg / kg (ppm))	0969	0.22900	0.01600	0.23100	0.00917	0.01267	3			0
113.01	Folic Acid, Micro (mg / kg (ppm))	2004	0.24100	0.00200	0.23100	0.00917	0.01267	3			0
114.01	Biotin, Microbiological (mg / kg (ppm))	2004	0.06000	0.00200			0.00100	2			0
114.01	Biotin, Microbiological (mg / kg (ppm))	0969	0.07400	0.00000			0.00100	2			0
120.00	Alanine, Post-col Ninhydrin Der (%)	0171	0.37650	0.00700	0.38528	0.00746	0.00257	3			0
120.00	Alanine, Post-col Ninhydrin Der (%)	0227	0.38000	0.00000	0.38528	0.00746	0.00257	3			0
120.00	Alanine, Post-col Ninhydrin Der (%)	0870	0.39055	0.00070	0.38528	0.00746	0.00257	3			0
120.01	Alanine, Pre-col OPA Der (%)	0969	0.39550	0.00300	0.39775	0.00318	0.01167	3			0
120.01	Alanine, Pre-col OPA Der (%)	2004	0.40000	0.00200	0.39775	0.00318	0.01167	3			0
120.01	Alanine, Pre-col OPA Der (%)	0970	0.40500	0.03000	0.39775	0.00318	0.01167	3			0
120.99	Alanine, Miscellaneous (%)	0160	0.38755	0.02970			0.02970	1			0
121.00	Arginine, Post-col Ninhydrin Der (%)	0870	0.43810	0.00060	0.46403	0.02384	0.00687	3			0
121.00	Arginine, Post-col Ninhydrin Der (%)	0171	0.46900	0.01000	0.46403	0.02384	0.00687	3			0
121.00	Arginine, Post-col Ninhydrin Der (%)	0227	0.48500	0.01000	0.46403	0.02384	0.00687	3			0
121.01	Arginine, Pre-col OPA Der (%)	0969	0.51000	0.00600	0.53017	0.02000	0.01100	3			0
121.01	Arginine, Pre-col OPA Der (%)	2004	0.53050	0.00700	0.53017	0.02000	0.01100	3			0
121.01	Arginine, Pre-col OPA Der (%)	0970	0.55000	0.02000	0.53017	0.02000	0.01100	3			0
121.99	Arginine, Miscellaneous (%)	0160	0.52150	0.04240			0.04240	1			0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0870	0.58270	0.00140	0.64157	0.07211	0.00847	3			0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0227	0.62000	0.02000	0.64157	0.07211	0.00847	3			0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0171	0.72200	0.00400	0.64157	0.07211	0.00847	3			0
122.01	Aspartic, Pre-col OPA Der (%)	0969	0.59900	0.00600	0.60000	0.00000	0.00933	3			0
122.01	Aspartic, Pre-col OPA Der (%)	0970	0.60000	0.02000	0.60000	0.00000	0.00933	3			0
122.01	Aspartic, Pre-col OPA Der (%)	2004	0.60000	0.00200	0.60000	0.00000	0.00933	3			0
122.99	Aspartic, Miscellaneous (%)	0160	0.65095	0.06550			0.06550	1			0
124.00	Cysteine/Cystine, PAO Post-col Ninhydry (%)	0870	0.22220	0.00320	0.23373	0.01761	0.00573	3			0
124.00	Cysteine/Cystine, PAO Post-col Ninhydry (%)	0227	0.22500	0.01000	0.23373	0.01761	0.00573	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			
124.00	Cysteine/Cystine, PAO Post-col Ninhydry (%)	0171	0.25400	0.00400	0.23373	0.01761	0.00573	3		0	
124.01	Cysteine/Cystine, PAO Pre-col OPA Der (%)	0969	0.22750	0.03300	0.23517	0.00775	0.01700	3		0	
124.01	Cysteine/Cystine, PAO Pre-col OPA Der (%)	0970	0.23500	0.01000	0.23517	0.00775	0.01700	3		0	
124.01	Cysteine/Cystine, PAO Pre-col OPA Der (%)	2004	0.24300	0.00800	0.23517	0.00775	0.01700	3		0	
124.99	Cysteine/Cystine, Miscellaneous (%)	0160	0.21885	0.00970			0.00970	1		0	
125.00	Glutamic, Post-col Ninhydryn Der (%)	0227	2.5550	0.01000	2.6405	0.07607	0.01873	3		0	
125.00	Glutamic, Post-col Ninhydryn Der (%)	0171	2.6660	0.04200	2.6405	0.07607	0.01873	3		0	
125.00	Glutamic, Post-col Ninhydryn Der (%)	0870	2.7006	0.00420	2.6405	0.07607	0.01873	3		0	
125.01	Glutamic, Pre-col OPA Der (%)	0969	2.6100	0.02000	2.6300	0.02000	0.05333	3		0	
125.01	Glutamic, Pre-col OPA Der (%)	2004	2.6300	0.04000	2.6300	0.02000	0.05333	3		0	
125.01	Glutamic, Pre-col OPA Der (%)	0970	2.6500	0.10000	2.6300	0.02000	0.05333	3		0	
125.99	Glutamic, Miscellaneous (%)	0160	2.6576	0.03240			0.03240	1		0	
126.00	Glycine, Post-col Ninhydryn Der (%)	0171	0.34000	0.00600	0.37587	0.03108	0.00540	3		0	
126.00	Glycine, Post-col Ninhydryn Der (%)	0870	0.39260	0.00020	0.37587	0.03108	0.00540	3		0	
126.00	Glycine, Post-col Ninhydryn Der (%)	0227	0.39500	0.01000	0.37587	0.03108	0.00540	3		0	
126.01	Glycine, Pre-col OPA Der (%)	0969	0.33650	0.03700	0.38067	0.03832	0.01600	3		0	
126.01	Glycine, Pre-col OPA Der (%)	2004	0.40050	0.00100	0.38067	0.03832	0.01600	3		0	
126.01	Glycine, Pre-col OPA Der (%)	0970	0.40500	0.01000	0.38067	0.03832	0.01600	3		0	
126.99	Glycine, Miscellaneous (%)	0160	0.39410	0.00520			0.00520	1		0	
127.00	Histidine, Post-col Ninhydryn Der (%)	0870	0.19645	0.00070	0.21398	0.02478	0.00390	3		0	
127.00	Histidine, Post-col Ninhydryn Der (%)	0227	0.22500	0.01000	0.21398	0.02478	0.00390	3		0	
127.00	Histidine, Post-col Ninhydryn Der (%)	0171	0.23150	0.00100	0.21398	0.02478	0.00390	3		0	
127.01	Histidine, Pre-col OPA Der (%)	0969	0.20500	0.01800	0.20500	0.00000	0.01000	3		0	
127.01	Histidine, Pre-col OPA Der (%)	0970	0.20500	0.01000	0.20500	0.00000	0.01000	3		0	
127.01	Histidine, Pre-col OPA Der (%)	2004	0.22300	0.00200	0.20500	0.00000	0.01000	3		0	
127.99	Histidine, Miscellaneous (%)	0160	0.23015	0.03650			0.03650	1		0	
128.00	Isoleucine, Post-col Ninhydryn Der (%)	0870	0.33355	0.00530	0.36018	0.02311	0.00777	3		0	
128.00	Isoleucine, Post-col Ninhydryn Der (%)	0171	0.37200	0.00800	0.36018	0.02311	0.00777	3		0	
128.00	Isoleucine, Post-col Ninhydryn Der (%)	0227	0.37500	0.01000	0.36018	0.02311	0.00777	3		0	
128.01	Isoleucine, Pre-col OPA Der (%)	0970	0.38000	0.02000	0.38750	0.00071	0.00800	3		0	
128.01	Isoleucine, Pre-col OPA Der (%)	2004	0.38700	0.00200	0.38750	0.00071	0.00800	3		0	
128.01	Isoleucine, Pre-col OPA Der (%)	0969	0.38800	0.00200	0.38750	0.00071	0.00800	3		0	
128.99	Isoleucine, Miscellaneous (%)	0160	0.39720	0.03160			0.03160	1		0	
129.00	Leucine, Post-col Ninhydryn Der (%)	0870	0.68345	0.00250	0.70482	0.02762	0.00483	3		0	
129.00	Leucine, Post-col Ninhydryn Der (%)	0227	0.69500	0.01000	0.70482	0.02762	0.00483	3		0	
129.00	Leucine, Post-col Ninhydryn Der (%)	0171	0.73600	0.00200	0.70482	0.02762	0.00483	3		0	
129.01	Leucine, Pre-col OPA Der (%)	0969	0.72050	0.00500	0.73917	0.01654	0.01233	3		0	
129.01	Leucine, Pre-col OPA Der (%)	0970	0.74500	0.03000	0.73917	0.01654	0.01233	3		0	
129.01	Leucine, Pre-col OPA Der (%)	2004	0.75200	0.00200	0.73917	0.01654	0.01233	3		0	
129.99	Leucine, Miscellaneous (%)	0160	0.77800	0.06520			0.06520	1		0	
130.00	L-Lysine, Post-col Ninhydryn Der (%)	0870	0.31680	0.00040	0.39965	0.11717	0.01847	3		0	
130.00	L-Lysine, Post-col Ninhydryn Der (%)	0227	0.32500	0.05000	0.39965	0.11717	0.01847	3		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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130.00	L-Lysine, Post-col Ninhydrin Der (%)	0171	0.48250	0.00500	0.39965	0.11717	0.01847	3		0	
130.01	L-Lysine, Pre-col OPA Der (%)	0969	0.25950	0.00500	0.31083	0.04592	0.00567	3		0	
130.01	L-Lysine, Pre-col OPA Der (%)	0970	0.32500	0.01000	0.31083	0.04592	0.00567	3		0	
130.01	L-Lysine, Pre-col OPA Der (%)	2004	0.34800	0.00200	0.31083	0.04592	0.00567	3		0	
130.05	L-Lysine, Pre-col AQC Der (%)	0027	0.34900	0.05000			0.05000	1		0	
130.99	L-Lysine, Miscellaneous (%)	0160	0.34905	0.03390			0.03390	1		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0870	0.14985	0.00770	0.16495	0.01331	0.00590	3		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0171	0.17000	0.00000	0.16495	0.01331	0.00590	3		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0227	0.17500	0.01000	0.16495	0.01331	0.00590	3		0	
131.01	Methionine, PAO Pre-col OPA Der (%)	0970	0.17500	0.01000	0.17767	0.00252	0.00600	3		0	
131.01	Methionine, PAO Pre-col OPA Der (%)	0969	0.17800	0.00200	0.17767	0.00252	0.00600	3		0	
131.01	Methionine, PAO Pre-col OPA Der (%)	2004	0.18000	0.00600	0.17767	0.00252	0.00600	3		0	
131.05	Methionine, PAO Pre-col AQC Der (%)	0027	0.14800	0.04800			0.04800	1		0	
131.99	Methionine, Miscellaneous (%)	0160	0.11070	0.01600			0.01600	1		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0870	0.52635	0.00090	0.55918	0.04642	0.00697	3		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0227	0.56000	0.02000	0.55918	0.04642	0.00697	3		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0171	0.59200	0.00000	0.55918	0.04642	0.00697	3		0	
132.01	Phenylalanine, Pre-col OPA Der (%)	2004	0.56650	0.00100	0.57533	0.01279	0.00933	3		0	
132.01	Phenylalanine, Pre-col OPA Der (%)	0969	0.56950	0.00700	0.57533	0.01279	0.00933	3		0	
132.01	Phenylalanine, Pre-col OPA Der (%)	0970	0.59000	0.02000	0.57533	0.01279	0.00933	3		0	
132.99	Phenylalanine, Miscellaneous (%)	0160	0.59555	0.03750			0.03750	1		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0870	1.1673	0.01040	1.2111	0.04436	0.03413	3		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0227	1.2100	0.06000	1.2111	0.04436	0.03413	3		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0171	1.2560	0.03200	1.2111	0.04436	0.03413	3		0	
133.04	Proline, Pre-col FMOC Der (%)	2004	1.2150	0.01000			0.01000	1		0	
133.99	Proline, Miscellaneous (%)	0969	1.2350	0.13000	1.2599	0.03108	0.10170	3		0	
133.99	Proline, Miscellaneous (%)	0970	1.2500	0.10000	1.2599	0.03108	0.10170	3		0	
133.99	Proline, Miscellaneous (%)	0160	1.2948	0.07510	1.2599	0.03108	0.10170	3		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0171	0.42950	0.00100	0.44242	0.01184	0.00477	3		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0227	0.44500	0.01000	0.44242	0.01184	0.00477	3		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0870	0.45275	0.00330	0.44242	0.01184	0.00477	3		0	
134.01	Serine, Pre-col OPA Der (%)	2004	0.42000	0.01000	0.44400	0.02117	0.01533	3		0	
134.01	Serine, Pre-col OPA Der (%)	0969	0.45200	0.01600	0.44400	0.02117	0.01533	3		0	
134.01	Serine, Pre-col OPA Der (%)	0970	0.46000	0.02000	0.44400	0.02117	0.01533	3		0	
134.99	Serine, Miscellaneous (%)	0160	0.46065	0.04570			0.04570	1		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0870	0.34060	0.00060	0.35253	0.01221	0.00420	3		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0171	0.35200	0.00200	0.35253	0.01221	0.00420	3		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0227	0.36500	0.01000	0.35253	0.01221	0.00420	3		0	
135.01	Threonine, Pre-col OPA Der (%)	0969	0.34850	0.00100	0.35333	0.00597	0.00800	3		0	
135.01	Threonine, Pre-col OPA Der (%)	2004	0.35150	0.00300	0.35333	0.00597	0.00800	3		0	
135.01	Threonine, Pre-col OPA Der (%)	0970	0.36000	0.02000	0.35333	0.00597	0.00800	3		0	
135.05	Threonine, Pre-col AQC Der (%)	0027	0.34300	0.02000			0.02000	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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135.99	Threonine, Miscellaneous (%)	0160	0.36245	0.04930			0.04930	1		0	
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0870	0.12365	0.00270			0.00635	2		0	
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0227	0.14500	0.01000			0.00635	2		0	
136.99	Tryptophan, Miscellaneous (%)	2004	0.13150	0.00500	0.13983	0.00729	0.00500	3		0	
136.99	Tryptophan, Miscellaneous (%)	0969	0.14300	0.00000	0.13983	0.00729	0.00500	3		0	
136.99	Tryptophan, Miscellaneous (%)	0970	0.14500	0.01000	0.13983	0.00729	0.00500	3		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0870	0.16415	0.00790	0.24222	0.07016	0.00363	3		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0171	0.26250	0.00300	0.24222	0.07016	0.00363	3		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0227	0.30000	0.00000	0.24222	0.07016	0.00363	3		0	
137.01	Tyrosine, Pre-col OPA Der (%)	2004	0.35600	0.02200	0.37217	0.01495	0.01567	3		0	
137.01	Tyrosine, Pre-col OPA Der (%)	0970	0.37500	0.01000	0.37217	0.01495	0.01567	3		0	
137.01	Tyrosine, Pre-col OPA Der (%)	0969	0.38550	0.01500	0.37217	0.01495	0.01567	3		0	
137.99	Tyrosine, Miscellaneous (%)	0160	0.39975	0.04290			0.04290	1		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0870	0.48025	0.00910	0.50858	0.02573	0.00803	3		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0227	0.51500	0.01000	0.50858	0.02573	0.00803	3		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0171	0.53050	0.00500	0.50858	0.02573	0.00803	3		0	
138.01	Valine, Pre-col OPA Der (%)	0970	0.51000	0.02000	0.51617	0.00601	0.00967	3		0	
138.01	Valine, Pre-col OPA Der (%)	2004	0.51650	0.00100	0.51617	0.00601	0.00967	3		0	
138.01	Valine, Pre-col OPA Der (%)	0969	0.52200	0.00800	0.51617	0.00601	0.00967	3		0	
138.99	Valine, Miscellaneous (%)	0160	0.54770	0.03120			0.03120	1		0	
139.00	Taurine, Post-col Ninhydrin Der (%)	0970	0.01100	0.00000				1		0	
139.00	Taurine, Post-col Ninhydrin Der (%)	0969	0.00000	0.00000				1		4	
139.01	Taurine, Pre-col OPA Der (%)	2004	0.00000	0.00000			0.00000	0		4	
160.99	Fructose, Miscellaneous (%)	2004	0.07930	0.00000				1		0	
160.99	Fructose, Miscellaneous (%)	0969	0.00000	0.00000				1		4	
160.99	Fructose, Miscellaneous (%)	0970	0.00000	0.00000				1		4	
161.99	Galactose, Miscellaneous (%)	2004	0.02295	0.00350				1		0	
161.99	Galactose, Miscellaneous (%)	0969	0.00000	0.00000				1		4	
161.99	Galactose, Miscellaneous (%)	0970	0.00000	0.00000				1		4	
162.99	Glucose, Miscellaneous (%)	2004	0.10700	0.01200				1		0	
162.99	Glucose, Miscellaneous (%)	0969	0.00000	0.00000				1		4	
162.99	Glucose, Miscellaneous (%)	0970	0.00000	0.00000				1		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	
164.99	Maltose, Miscellaneous (%)	0969	0.10000	0.00000	0.12000	0.02828	0.03767	3		0	
164.99	Maltose, Miscellaneous (%)	0970	0.14000	0.00000	0.12000	0.02828	0.03767	3		0	
164.99	Maltose, Miscellaneous (%)	2004	0.91250	0.11300	0.12000	0.02828	0.03767	3		0	
165.99	Sucrose, Miscellaneous (%)	2004	0.50300	0.00400	0.55150	0.06859	0.01467	3		0	
165.99	Sucrose, Miscellaneous (%)	0970	0.57000	0.04000	0.55150	0.06859	0.01467	3		0	
165.99	Sucrose, Miscellaneous (%)	0969	0.60000	0.00000	0.55150	0.06859	0.01467	3		0	
400.99	Water activity, Miscellaneous (Units)	2083	0.55250	0.00300			0.00300	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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516.42	Arsenic, total, ICP, Open vessel (mg / kg (ppm))	0555	0.00000	0.00000			0.00000	0		4	
516.43	Arsenic, total, ICP, Microwave (mg / kg (ppm))	0964	0.07165	0.03190			0.03190	1		0	
516.52	Arsenic, total, ICP-MS, Open vessel (mg / kg (ppm))	0555	0.00000	0.00000			0.00000	0		4	
518.42	Cadmium, ICP, Open vessel (mg / kg (ppm))	0555	0.00000	0.00000			0.00000	0		4	
518.43	Cadmium, ICP, Microwave (mg / kg (ppm))	0964	0.01650	0.00020			0.00020	1		0	
518.52	Cadmium, ICP-MS, Open vessel (mg / kg (ppm))	0555	0.00000	0.00000			0.00000	0		4	
520.43	Chromium, ICP, Microwave (mg / kg (ppm))	0964	0.13735	0.01150			0.01150	1		0	
520.52	Chromium, ICP-MS, Open vessel (mg / kg (ppm))	0555	0.20500	0.05000			0.05000	1		0	
526.43	Lead, ICP, Microwave (mg / kg (ppm))	0964	0.05900	0.02960			0.02960	1		0	
526.52	Lead, ICP-MS, Open vessel (mg / kg (ppm))	0555	0.06750	0.03100			0.03100	1		0	
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0553	0.03235	0.00490			0.00490	1		0	
529.99	Mercury, Miscellaneous (µg / kg (ppb))	0555	0.00000	0.00000			0.00000	0		4	
539.43	Nickel, ICP, Microwave (mg / kg (ppm))	0964	0.06380	0.00060			0.00060	1		0	
539.52	Nickel, ICP-MS, Open vessel (mg / kg (ppm))	0555	0.15500	0.03000			0.03000	1		0	

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