



**AAFCO**  
Proficiency Testing Program



**Pet Food Ingredient Scheme  
Brewer's Yeast**

**# Labs Reporting: 54  
# Methods Reported 205**

**Test Material Code # 202042**

**Method Proficiency Testing Report**

**Issue Date : 06/30/2020**

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0309	9.867	0.1033				2			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0504	9.975	0.2100				2			0
001.03	Loss on Drying, Low temp. methods (%)	0619	9.955	0.0300				2			0
001.03	Loss on Drying, Low temp. methods (%)	2124	10.01	0.1000				2			0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0845	8.955	0.1300	10.02	0.2241	0.1480	14	-4.74	5%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0034	9.460	0.1200	10.02	0.2241	0.1480	14	-2.49	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0171	9.840	0.1200	10.02	0.2241	0.1480	14	-0.79	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2220	9.900	0.0400	10.02	0.2241	0.1480	14	-0.52	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2293	9.920	0.1800	10.02	0.2241	0.1480	14	-0.43	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0074	9.990	0.3000	10.02	0.2241	0.1480	14	-0.12	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2252	9.995	0.0100	10.02	0.2241	0.1480	14	-0.10	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2156	10.09	0.1600	10.02	0.2241	0.1480	14	0.33	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0876	10.10	0.2000	10.02	0.2241	0.1480	14	0.37	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0065	10.13	0.3400	10.02	0.2241	0.1480	14	0.50	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2219	10.16	0.1500	10.02	0.2241	0.1480	14	0.62	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0003	10.19	0.0800	10.02	0.2241	0.1480	14	0.77	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0098	10.22	0.0500	10.02	0.2241	0.1480	14	0.88	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0407	10.46	0.1917	10.02	0.2241	0.1480	14	1.95	2%	0
001.99	Loss on Drying, Miscellaneous (%)	2155	8.910	0.4600	9.777	0.4114	0.1171	7	-2.11	4%	0
001.99	Loss on Drying, Miscellaneous (%)	0889	9.485	0.0300	9.777	0.4114	0.1171	7	-0.71	1%	0
001.99	Loss on Drying, Miscellaneous (%)	2115	9.645	0.0100	9.777	0.4114	0.1171	7	-0.32	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0918	9.925	0.0100	9.777	0.4114	0.1171	7	0.36	1%	0
001.99	Loss on Drying, Miscellaneous (%)	2136	9.995	0.2100	9.777	0.4114	0.1171	7	0.53	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0510	10.05	0.1000	9.777	0.4114	0.1171	7	0.66	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0656	10.18	0.0000	9.777	0.4114	0.1171	7	0.98	2%	0
002.00	Protein, Crude, Crude (%)	0845	47.23	0.8000				1			0
002.01	Protein, Crude, Auto Kjeld-Foss (%)	0870	46.96	0.0180				3			0
002.01	Protein, Crude, Auto Kjeld-Foss (%)	0619	47.30	0.0000				3			0
002.01	Protein, Crude, Auto Kjeld-Foss (%)	0889	47.61	0.0100				3			0
002.01	Protein, Crude, Auto Kjeld-Foss (%)	0164	46.97	0.1800				3			1
002.04	Protein, Crude, Copper Catalyst (%)	2122	47.05	0.0000				3			0
002.04	Protein, Crude, Copper Catalyst (%)	2312	47.23	0.1900				3			0
002.04	Protein, Crude, Copper Catalyst (%)	0504	47.64	0.0800				3			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
002.05	Protein, Crude, Copper, Boric Acid (%)	2115	47.29	0.1300				1			0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0051	46.85	0.7000	47.45	0.2817	0.1519	43	-2.15	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0171	46.95	0.1700	47.45	0.2817	0.1519	43	-1.81	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2232	47.05	0.1000	47.45	0.2817	0.1519	43	-1.44	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2162	47.10	0.1700	47.45	0.2817	0.1519	43	-1.28	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2184	47.10	0.1000	47.45	0.2817	0.1519	43	-1.26	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0619	47.10	0.0000	47.45	0.2817	0.1519	43	-1.26	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2219	47.18	0.4300	47.45	0.2817	0.1519	43	-0.99	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0407	47.19	0.1510	47.45	0.2817	0.1519	43	-0.93	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0504	47.24	0.2800	47.45	0.2817	0.1519	43	-0.76	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2016	47.28	0.1300	47.45	0.2817	0.1519	43	-0.64	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0417	47.29	0.0700	47.45	0.2817	0.1519	43	-0.60	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0554	47.32	0.0300	47.45	0.2817	0.1519	43	-0.50	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0202	47.33	0.3200	47.45	0.2817	0.1519	43	-0.44	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0098	47.35	0.1000	47.45	0.2817	0.1519	43	-0.37	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0042	47.35	0.3000	47.45	0.2817	0.1519	43	-0.37	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0074	47.36	0.0500	47.45	0.2817	0.1519	43	-0.35	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0003	47.37	0.2000	47.45	0.2817	0.1519	43	-0.30	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2293	47.40	0.1400	47.45	0.2817	0.1519	43	-0.19	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0656	47.42	0.0000	47.45	0.2817	0.1519	43	-0.12	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0870	47.42	0.0688	47.45	0.2817	0.1519	43	-0.12	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0553	47.43	0.0200	47.45	0.2817	0.1519	43	-0.09	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0065	47.44	0.0740	47.45	0.2817	0.1519	43	-0.07	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2156	47.45	0.0100	47.45	0.2817	0.1519	43	-0.03	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2207	47.46	0.1000	47.45	0.2817	0.1519	43	0.02	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0164	47.47	0.0600	47.45	0.2817	0.1519	43	0.05	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0958	47.54	0.1500	47.45	0.2817	0.1519	43	0.28	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2033	47.54	0.0500	47.45	0.2817	0.1519	43	0.28	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2155	47.55	0.1310	47.45	0.2817	0.1519	43	0.32	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0010	47.55	0.1000	47.45	0.2817	0.1519	43	0.34	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0208	47.55	0.1000	47.45	0.2817	0.1519	43	0.34	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0880	47.55	0.1000	47.45	0.2817	0.1519	43	0.34	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0529	47.60	0.0300	47.45	0.2817	0.1519	43	0.50	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0309	47.62	0.2120	47.45	0.2817	0.1519	43	0.58	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0510	47.65	0.1000	47.45	0.2817	0.1519	43	0.69	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2124	47.65	0.1200	47.45	0.2817	0.1519	43	0.69	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0242	47.66	0.1100	47.45	0.2817	0.1519	43	0.71	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0876	47.75	0.5000	47.45	0.2817	0.1519	43	1.05	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2089	47.86	0.0800	47.45	0.2817	0.1519	43	1.44	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0001	47.89	0.0900	47.45	0.2817	0.1519	43	1.53	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2169	47.95	0.1000	47.45	0.2817	0.1519	43	1.76	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0034	47.95	0.0640	47.45	0.2817	0.1519	43	1.76	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2303	47.96	0.4700	47.45	0.2817	0.1519	43	1.78	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0918	48.01	0.2500	47.45	0.2817	0.1519	43	1.95	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2252	46.63	0.9720	47.45	0.2817	0.1519	43	-2.93	1%	1
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2220	46.82	1.020	47.45	0.2817	0.1519	43	-2.25	1%	1
002.08	Protein, Crude, Cu/Ti (%)	2136	47.15	0.3000				2			0
002.08	Protein, Crude, Cu/Ti (%)	0098	47.43	0.0100				2			0
002.11	Protein, Crude, NIR (%)	0553	43.31	0.0200				2			0
002.11	Protein, Crude, NIR (%)	2232	44.83	0.1100				2			0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2115	1.035	0.0100				3			0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	0309	1.139	0.0743				3			0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2293	2.790	0.2400				3			0
003.01	Fat, Crude, Diethyl Ether Ext (13th ed.), Indirect (%)	0504	1.320	0.5000				1			0
003.06	Fat, Crude, Pet Ether (%)	0164	0.9650	0.0500				3			0
003.06	Fat, Crude, Pet Ether (%)	2033	1.070	0.0400				3			0
003.06	Fat, Crude, Pet Ether (%)	0918	1.285	0.1900				3			0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0510	1.150	0.1000				3			0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0098	1.200	0.0800				3			0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0870	1.369	0.0508				3			0
003.10	Fat, Crude, Randall, Pet Ether (%)	0242	0.3800	0.1800	1.085	0.2449	0.1311	11	-2.88	32%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2136	0.8800	0.1600	1.085	0.2449	0.1311	11	-0.84	9%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0051	0.9000	0.2000	1.085	0.2449	0.1311	11	-0.76	9%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2162	0.9400	0.0400	1.085	0.2449	0.1311	11	-0.59	7%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2155	1.080	0.0062	1.085	0.2449	0.1311	11	-0.02	0%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0870	1.110	0.0218	1.085	0.2449	0.1311	11	0.10	1%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0098	1.120	0.0800	1.085	0.2449	0.1311	11	0.14	2%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2184	1.170	0.0200	1.085	0.2449	0.1311	11	0.35	4%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0619	1.205	0.4100	1.085	0.2449	0.1311	11	0.49	6%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0889	1.360	0.0800	1.085	0.2449	0.1311	11	1.12	13%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2232	1.557	0.2440	1.085	0.2449	0.1311	11	1.93	22%	0
003.11	Fat, Crude, NIR (%)	2232	3.885	0.0700				1			0
003.12	Fat, Crude, Hexane Ext (%)	0171	0.9400	0.0200				1			0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	2089	0.9100	0.1200				3			0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	0098	1.200	0.1000				3			0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	0870	1.830	0.0311				3			0
003.14	Fat, Crude, Ankom (%)	0529	0.7850	0.0700	1.091	0.2699	0.2157	11	-1.13	14%	0
003.14	Fat, Crude, Ankom (%)	0034	0.8550	0.7100	1.091	0.2699	0.2157	11	-0.87	11%	0
003.14	Fat, Crude, Ankom (%)	0202	0.9325	0.0870	1.091	0.2699	0.2157	11	-0.59	7%	0
003.14	Fat, Crude, Ankom (%)	2115	0.9400	0.0400	1.091	0.2699	0.2157	11	-0.56	7%	0
003.14	Fat, Crude, Ankom (%)	0876	1.000	0.0000	1.091	0.2699	0.2157	11	-0.34	4%	0
003.14	Fat, Crude, Ankom (%)	2207	1.000	0.2000	1.091	0.2699	0.2157	11	-0.34	4%	0
003.14	Fat, Crude, Ankom (%)	0554	1.010	0.2400	1.091	0.2699	0.2157	11	-0.30	4%	0
003.14	Fat, Crude, Ankom (%)	0619	1.245	0.1100	1.091	0.2699	0.2157	11	0.57	7%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
003.14	Fat, Crude, Ankom (%)	0407	1.314	0.2155	1.091	0.2699	0.2157	11	0.83	10%	0
003.14	Fat, Crude, Ankom (%)	0003	1.450	0.1800	1.091	0.2699	0.2157	11	1.33	16%	0
003.14	Fat, Crude, Ankom (%)	0074	1.470	0.5200	1.091	0.2699	0.2157	11	1.40	17%	0
003.99	Fat, Crude, Miscellaneous (%)	0880	2.700	1.800				1			0
004.00	Fiber, Crude, Asbestos Free (%)	0164	3.450	0.5000	4.187	0.5835	0.2460	6	-1.26	9%	0
004.00	Fiber, Crude, Asbestos Free (%)	0171	3.725	0.2300	4.187	0.5835	0.2460	6	-0.79	6%	0
004.00	Fiber, Crude, Asbestos Free (%)	0309	4.123	0.0158	4.187	0.5835	0.2460	6	-0.11	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	0208	4.525	0.3300	4.187	0.5835	0.2460	6	0.58	4%	0
004.00	Fiber, Crude, Asbestos Free (%)	0504	4.550	0.3000	4.187	0.5835	0.2460	6	0.62	4%	0
004.00	Fiber, Crude, Asbestos Free (%)	2312	4.750	0.1000	4.187	0.5835	0.2460	6	0.96	7%	0
004.03	Fiber, Crude, Fritted Glass (%)	2089	3.810	0.0800				1			0
004.06	Fiber, Crude, Fibertec (%)	2115	3.645	0.0500				3			0
004.06	Fiber, Crude, Fibertec (%)	0918	4.095	0.0500				3			0
004.06	Fiber, Crude, Fibertec (%)	0845	4.295	0.0900				3			0
004.07	Fiber, Crude, ANKOM (%)	0202	2.500	0.3200	4.087	0.7002	0.1541	17	-2.27	19%	0
004.07	Fiber, Crude, ANKOM (%)	0242	3.225	0.1500	4.087	0.7002	0.1541	17	-1.23	11%	0
004.07	Fiber, Crude, ANKOM (%)	0510	3.250	0.1000	4.087	0.7002	0.1541	17	-1.19	10%	0
004.07	Fiber, Crude, ANKOM (%)	0656	3.490	0.0000	4.087	0.7002	0.1541	17	-0.85	7%	0
004.07	Fiber, Crude, ANKOM (%)	0619	3.575	0.0900	4.087	0.7002	0.1541	17	-0.73	6%	0
004.07	Fiber, Crude, ANKOM (%)	2115	3.850	0.0800	4.087	0.7002	0.1541	17	-0.34	3%	0
004.07	Fiber, Crude, ANKOM (%)	0870	3.889	0.1574	4.087	0.7002	0.1541	17	-0.28	2%	0
004.07	Fiber, Crude, ANKOM (%)	0034	4.130	0.1400	4.087	0.7002	0.1541	17	0.06	1%	0
004.07	Fiber, Crude, ANKOM (%)	0074	4.155	0.0900	4.087	0.7002	0.1541	17	0.10	1%	0
004.07	Fiber, Crude, ANKOM (%)	0529	4.185	0.0700	4.087	0.7002	0.1541	17	0.14	1%	0
004.07	Fiber, Crude, ANKOM (%)	0407	4.316	0.2121	4.087	0.7002	0.1541	17	0.33	3%	0
004.07	Fiber, Crude, ANKOM (%)	0876	4.450	0.1000	4.087	0.7002	0.1541	17	0.52	4%	0
004.07	Fiber, Crude, ANKOM (%)	0553	4.570	0.1600	4.087	0.7002	0.1541	17	0.69	6%	0
004.07	Fiber, Crude, ANKOM (%)	0554	4.640	0.1000	4.087	0.7002	0.1541	17	0.79	7%	0
004.07	Fiber, Crude, ANKOM (%)	2207	4.700	0.4000	4.087	0.7002	0.1541	17	0.88	8%	0
004.07	Fiber, Crude, ANKOM (%)	2124	4.875	0.2500	4.087	0.7002	0.1541	17	1.13	10%	0
004.07	Fiber, Crude, ANKOM (%)	2033	7.900	0.2000	4.087	0.7002	0.1541	17	5.45	47%	0
005.00	Ash, 2h @ 600°C (%)	2232	4.490	0.0200	5.615	0.2911	0.1125	35	-3.86	10%	0
005.00	Ash, 2h @ 600°C (%)	0870	5.256	0.0510	5.615	0.2911	0.1125	35	-1.23	3%	0
005.00	Ash, 2h @ 600°C (%)	0001	5.301	0.0030	5.615	0.2911	0.1125	35	-1.08	3%	0
005.00	Ash, 2h @ 600°C (%)	2312	5.315	0.0500	5.615	0.2911	0.1125	35	-1.03	3%	0
005.00	Ash, 2h @ 600°C (%)	0510	5.335	0.1100	5.615	0.2911	0.1125	35	-0.96	2%	0
005.00	Ash, 2h @ 600°C (%)	0417	5.360	0.0200	5.615	0.2911	0.1125	35	-0.88	2%	0
005.00	Ash, 2h @ 600°C (%)	2033	5.400	0.0000	5.615	0.2911	0.1125	35	-0.74	2%	0
005.00	Ash, 2h @ 600°C (%)	0529	5.425	0.3500	5.615	0.2911	0.1125	35	-0.65	2%	0
005.00	Ash, 2h @ 600°C (%)	2115	5.445	0.0900	5.615	0.2911	0.1125	35	-0.58	2%	0
005.00	Ash, 2h @ 600°C (%)	0171	5.460	0.0600	5.615	0.2911	0.1125	35	-0.53	1%	0
005.00	Ash, 2h @ 600°C (%)	2162	5.465	0.0500	5.615	0.2911	0.1125	35	-0.52	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
005.00	Ash, 2h @ 600°C (%)	2124	5.475	0.0100	5.615	0.2911	0.1125	35	-0.48	1%	0
005.00	Ash, 2h @ 600°C (%)	0051	5.500	0.2000	5.615	0.2911	0.1125	35	-0.39	1%	0
005.00	Ash, 2h @ 600°C (%)	0098	5.510	0.0400	5.615	0.2911	0.1125	35	-0.36	1%	0
005.00	Ash, 2h @ 600°C (%)	0918	5.520	0.0000	5.615	0.2911	0.1125	35	-0.33	1%	0
005.00	Ash, 2h @ 600°C (%)	2089	5.535	0.0700	5.615	0.2911	0.1125	35	-0.27	1%	0
005.00	Ash, 2h @ 600°C (%)	0876	5.550	0.1000	5.615	0.2911	0.1125	35	-0.22	1%	0
005.00	Ash, 2h @ 600°C (%)	2016	5.550	0.0200	5.615	0.2911	0.1125	35	-0.22	1%	0
005.00	Ash, 2h @ 600°C (%)	0407	5.555	0.3182	5.615	0.2911	0.1125	35	-0.21	1%	0
005.00	Ash, 2h @ 600°C (%)	0553	5.610	0.1400	5.615	0.2911	0.1125	35	-0.02	0%	0
005.00	Ash, 2h @ 600°C (%)	0164	5.620	0.0000	5.615	0.2911	0.1125	35	0.02	0%	0
005.00	Ash, 2h @ 600°C (%)	0208	5.630	0.3000	5.615	0.2911	0.1125	35	0.05	0%	0
005.00	Ash, 2h @ 600°C (%)	2293	5.635	0.3500	5.615	0.2911	0.1125	35	0.07	0%	0
005.00	Ash, 2h @ 600°C (%)	2252	5.655	0.1700	5.615	0.2911	0.1125	35	0.14	0%	0
005.00	Ash, 2h @ 600°C (%)	0656	5.670	0.0000	5.615	0.2911	0.1125	35	0.19	0%	0
005.00	Ash, 2h @ 600°C (%)	0504	5.675	0.2300	5.615	0.2911	0.1125	35	0.21	1%	0
005.00	Ash, 2h @ 600°C (%)	0242	5.775	0.1100	5.615	0.2911	0.1125	35	0.55	1%	0
005.00	Ash, 2h @ 600°C (%)	2156	5.815	0.0100	5.615	0.2911	0.1125	35	0.69	2%	0
005.00	Ash, 2h @ 600°C (%)	0309	5.992	0.0340	5.615	0.2911	0.1125	35	1.30	3%	0
005.00	Ash, 2h @ 600°C (%)	0880	6.055	0.4500	5.615	0.2911	0.1125	35	1.51	4%	0
005.00	Ash, 2h @ 600°C (%)	0845	6.090	0.1200	5.615	0.2911	0.1125	35	1.63	4%	0
005.00	Ash, 2h @ 600°C (%)	2219	6.090	0.1000	5.615	0.2911	0.1125	35	1.63	4%	0
005.00	Ash, 2h @ 600°C (%)	0554	6.150	0.0600	5.615	0.2911	0.1125	35	1.84	5%	0
005.00	Ash, 2h @ 600°C (%)	2207	6.150	0.1000	5.615	0.2911	0.1125	35	1.84	5%	0
005.00	Ash, 2h @ 600°C (%)	2184	7.410	0.2000	5.615	0.2911	0.1125	35	6.17	16%	0
005.00	Ash, 2h @ 600°C (%)	2220	5.755	0.8300	5.615	0.2911	0.1125	35	0.48	1%	1
005.05	Ash, 3h @ 550°C (%)	0034	5.348	0.0850	5.685	0.2351	0.1875	6	-1.43	3%	0
005.05	Ash, 3h @ 550°C (%)	0065	5.625	0.2700	5.685	0.2351	0.1875	6	-0.25	1%	0
005.05	Ash, 3h @ 550°C (%)	0003	5.635	0.2500	5.685	0.2351	0.1875	6	-0.21	0%	0
005.05	Ash, 3h @ 550°C (%)	2136	5.710	0.4600	5.685	0.2351	0.1875	6	0.11	0%	0
005.05	Ash, 3h @ 550°C (%)	0619	5.840	0.0000	5.685	0.2351	0.1875	6	0.66	1%	0
005.05	Ash, 3h @ 550°C (%)	0889	5.950	0.0600	5.685	0.2351	0.1875	6	1.13	2%	0
005.11	Ash, NIR (%)	2232	3.620	0.0600				1			0
005.99	Ash, Miscellaneous (%)	0202	5.475	0.0100				2			0
005.99	Ash, Miscellaneous (%)	2169	11.25	0.1000				2			0
006.00	Total Sugars, As sucrose (%)	0407	18.30	0.5250				1			0
008.02	Fiber, Acid Detergent, Crucible (%)	0309	5.106	0.0019				2			0
008.02	Fiber, Acid Detergent, Crucible (%)	0504	6.655	0.1900				2			0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0619	4.935	0.0300	5.909	0.5298	0.4225	6	-1.84	8%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0407	5.607	0.8219	5.909	0.5298	0.4225	6	-0.57	3%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0870	6.053	0.3229	5.909	0.5298	0.4225	6	0.27	1%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0889	6.120	0.0800	5.909	0.5298	0.4225	6	0.40	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0918	6.158	0.2799	5.909	0.5298	0.4225	6	0.47	2%	0

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008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0164	6.400	1.000	5.909	0.5298	0.4225	6	0.93	4%	0
009.04	Fiber, Neutral Detergent, Neutral Det-No ENZ Pretreat (%)	0504	14.21	3.300				1			0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat (%)	0309	9.636	0.0800				1			0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0619	7.860	0.1600	10.76	2.586	0.7311	6	-1.12	13%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0918	9.665	0.3900	10.76	2.586	0.7311	6	-0.42	5%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0407	9.837	1.995	10.76	2.586	0.7311	6	-0.36	4%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0870	10.41	0.1414	10.76	2.586	0.7311	6	-0.13	2%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0164	12.50	1.600	10.76	2.586	0.7311	6	0.67	8%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0889	14.28	0.1000	10.76	2.586	0.7311	6	1.36	16%	0
010.11	Moisture, NIR (%)	2232	10.80	0.0100				1			0
010.99	Moisture, Miscellaneous (%)	2169	5.305	0.0300				3			0
010.99	Moisture, Miscellaneous (%)	2232	9.845	0.1900				3			0
010.99	Moisture, Miscellaneous (%)	2089	10.19	0.0600				3			0
011.01	Loss on Drying, 135°C 2hr (%)	2016	9.415	0.1700	10.90	0.5321	0.1203	20	-2.79	7%	0
011.01	Loss on Drying, 135°C 2hr (%)	2232	9.649	0.0236	10.90	0.5321	0.1203	20	-2.35	6%	0
011.01	Loss on Drying, 135°C 2hr (%)	0554	10.23	0.0500	10.90	0.5321	0.1203	20	-1.27	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0510	10.55	0.1000	10.90	0.5321	0.1203	20	-0.66	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	2207	10.55	0.1000	10.90	0.5321	0.1203	20	-0.66	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	2162	10.57	0.0100	10.90	0.5321	0.1203	20	-0.63	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0553	10.64	0.2300	10.90	0.5321	0.1203	20	-0.50	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	2033	10.76	0.0100	10.90	0.5321	0.1203	20	-0.27	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0164	10.85	0.2400	10.90	0.5321	0.1203	20	-0.10	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0208	10.85	0.1000	10.90	0.5321	0.1203	20	-0.10	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	2312	10.94	0.1100	10.90	0.5321	0.1203	20	0.06	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0098	11.05	0.2700	10.90	0.5321	0.1203	20	0.27	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	2184	11.08	0.4000	10.90	0.5321	0.1203	20	0.34	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0171	11.20	0.0300	10.90	0.5321	0.1203	20	0.55	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0309	11.23	0.1700	10.90	0.5321	0.1203	20	0.61	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0870	11.29	0.1348	10.90	0.5321	0.1203	20	0.72	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0051	11.32	0.1800	10.90	0.5321	0.1203	20	0.79	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0242	11.45	0.0000	10.90	0.5321	0.1203	20	1.03	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0202	11.60	0.0200	10.90	0.5321	0.1203	20	1.31	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0407	11.71	0.0582	10.90	0.5321	0.1203	20	1.52	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0880	8.790	2.400	10.90	0.5321	0.1203	20	-3.97	10%	1
011.02	Loss on Drying, 130°C for 2 hours (%)	2083	10.69	0.1800				3			0
011.02	Loss on Drying, 130°C for 2 hours (%)	0417	10.88	0.2000				3			0
011.02	Loss on Drying, 130°C for 2 hours (%)	0529	11.10	0.0300				3			0
011.99	Loss on Drying, High Temp. Methods Miscellaneous (%)	2303	11.52	0.4040				1			0
012.00	Starch, Polarimetric (Ewers) (%)	0619	5.470	0.3200				1			0
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	0918	1.674	0.3410				2			0
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	0870	2.144	0.1430				2			0
012.03	Starch, Enzymatic-Colorimetric Method, Miscellaneous (%)	2124	2.100	0.2000				3			0

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012.03	Starch, Enzymatic-Colorimetric Method, Miscellaneous (%)	0407	2.854	0.1408				3			0
012.03	Starch, Enzymatic-Colorimetric Method, Miscellaneous (%)	0889	5.290	0.2400				3			0
012.04	Starch, Enzymatic-Enzyme Membrane Technology (YSI) (	0510	1.650	0.1000				1			0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2219	2.160	0.3400	2.557	0.3557	0.3758	8	-1.12	8%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0309	2.182	0.0767	2.557	0.3557	0.3758	8	-1.06	7%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0242	2.370	0.3000	2.557	0.3557	0.3758	8	-0.53	4%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2220	2.580	0.4200	2.557	0.3557	0.3758	8	0.06	0%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2156	2.610	0.6800	2.557	0.3557	0.3758	8	0.15	1%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2016	2.680	0.6000	2.557	0.3557	0.3758	8	0.35	2%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2252	2.785	0.3100	2.557	0.3557	0.3758	8	0.64	4%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0202	3.710	0.2800	2.557	0.3557	0.3758	8	3.24	23%	0
013.02	Fat, Acid Pretreat, Mojonier, Bak Ext (%)	0065	2.470	0.4600	2.853	0.3533	0.3143	6	-1.08	7%	0
013.02	Fat, Acid Pretreat, Mojonier, Bak Ext (%)	0098	2.565	0.1500	2.853	0.3533	0.3143	6	-0.82	5%	0
013.02	Fat, Acid Pretreat, Mojonier, Bak Ext (%)	2312	2.710	0.3200	2.853	0.3533	0.3143	6	-0.40	3%	0
013.02	Fat, Acid Pretreat, Mojonier, Bak Ext (%)	0407	3.047	0.0460	2.853	0.3533	0.3143	6	0.55	3%	0
013.02	Fat, Acid Pretreat, Mojonier, Bak Ext (%)	0870	3.111	0.8800	2.853	0.3533	0.3143	6	0.73	5%	0
013.02	Fat, Acid Pretreat, Mojonier, Bak Ext (%)	0171	3.215	0.0300	2.853	0.3533	0.3143	6	1.02	6%	0
013.10	Fat, Acid Pretreat, Soxtec-Acid Hydrolysis (%)	0845	0.6850	0.0500				3			0
013.10	Fat, Acid Pretreat, Soxtec-Acid Hydrolysis (%)	2162	1.135	0.0900				3			0
013.10	Fat, Acid Pretreat, Soxtec-Acid Hydrolysis (%)	2124	1.360	0.1600				3			0
013.13	Fat, Acid Pretreat, Ankom- Acid Hydrolysis (%)	0407	4.153	0.2050				1			0
015.41	Aluminum, ICP, Dry ash (ppm)	0407	32.70	2.226				2			0
015.41	Aluminum, ICP, Dry ash (ppm)	0171	64.60	0.4000				2			0
015.43	Aluminum, ICP, Microwave (ppm)	0510	25.00	0.0000				2			0
015.43	Aluminum, ICP, Microwave (ppm)	0918	32.12	0.3300				2			0
015.53	Aluminum, ICP-MS, Microwave (ppm)	0553	41.35	2.700				1			0
017.41	Boron, ICP, Dry ash (ppm)	0407	33.99	0.7113				1			0
017.43	Boron, ICP, Microwave (ppm)	0510	33.00	0.0000				2			0
017.43	Boron, ICP, Microwave (ppm)	0918	34.31	0.3400				2			0
019.31	Calcium, AAS, Dry ash (%)	0656	0.2500	0.0000				3			0
019.31	Calcium, AAS, Dry ash (%)	0001	0.2721	0.0001				3			0
019.31	Calcium, AAS, Dry ash (%)	2115	0.2900	0.0000				3			0
019.31	Calcium, AAS, Dry ash (%)	0529	0.2500	0.0200				3			1
019.41	Calcium, ICP, Dry ash (%)	0051	0.2528	0.0003	0.2677	0.0142	0.0093	8	-1.06	3%	0
019.41	Calcium, ICP, Dry ash (%)	0074	0.2600	0.0000	0.2677	0.0142	0.0093	8	-0.55	1%	0
019.41	Calcium, ICP, Dry ash (%)	0171	0.2600	0.0000	0.2677	0.0142	0.0093	8	-0.55	1%	0
019.41	Calcium, ICP, Dry ash (%)	0407	0.2617	0.0007	0.2677	0.0142	0.0093	8	-0.43	1%	0
019.41	Calcium, ICP, Dry ash (%)	0208	0.2650	0.0220	0.2677	0.0142	0.0093	8	-0.19	1%	0
019.41	Calcium, ICP, Dry ash (%)	0098	0.2700	0.0000	0.2677	0.0142	0.0093	8	0.16	0%	0
019.41	Calcium, ICP, Dry ash (%)	0164	0.2835	0.0410	0.2677	0.0142	0.0093	8	1.11	3%	0
019.41	Calcium, ICP, Dry ash (%)	0003	0.2950	0.0100	0.2677	0.0142	0.0093	8	1.92	5%	0
019.42	Calcium, ICP, Open vessel (%)	0870	0.2622	0.0185				2			0

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019.42	Calcium, ICP, Open vessel (%)	2207	0.2650	0.0100				2			0
019.43	Calcium, ICP, Microwave (%)	0510	0.2400	0.0000	0.2621	0.0110	0.0040	8	-2.00	4%	0
019.43	Calcium, ICP, Microwave (%)	0918	0.2500	0.0180	0.2621	0.0110	0.0040	8	-1.10	2%	0
019.43	Calcium, ICP, Microwave (%)	2136	0.2590	0.0080	0.2621	0.0110	0.0040	8	-0.28	1%	0
019.43	Calcium, ICP, Microwave (%)	0042	0.2635	0.0050	0.2621	0.0110	0.0040	8	0.13	0%	0
019.43	Calcium, ICP, Microwave (%)	0202	0.2685	0.0010	0.2621	0.0110	0.0040	8	0.58	1%	0
019.43	Calcium, ICP, Microwave (%)	0098	0.2700	0.0000	0.2621	0.0110	0.0040	8	0.72	2%	0
019.43	Calcium, ICP, Microwave (%)	2089	0.2700	0.0000	0.2621	0.0110	0.0040	8	0.72	2%	0
019.43	Calcium, ICP, Microwave (%)	2124	0.2700	0.0000	0.2621	0.0110	0.0040	8	0.72	2%	0
019.44	Calcium, ICP, Dry ash (%)	2232	0.2270	0.0120	0.2597	0.0210	0.0103	7	-1.56	6%	0
019.44	Calcium, ICP, Dry ash (%)	0065	0.2450	0.0100	0.2597	0.0210	0.0103	7	-0.70	3%	0
019.44	Calcium, ICP, Dry ash (%)	2156	0.2600	0.0000	0.2597	0.0210	0.0103	7	0.01	0%	0
019.44	Calcium, ICP, Dry ash (%)	2252	0.2600	0.0000	0.2597	0.0210	0.0103	7	0.01	0%	0
019.44	Calcium, ICP, Dry ash (%)	2220	0.2650	0.0100	0.2597	0.0210	0.0103	7	0.25	1%	0
019.44	Calcium, ICP, Dry ash (%)	2219	0.2800	0.0200	0.2597	0.0210	0.0103	7	0.96	4%	0
019.44	Calcium, ICP, Dry ash (%)	2293	0.2800	0.0200	0.2597	0.0210	0.0103	7	0.96	4%	0
019.53	Calcium, ICP-MS, Microwave (%)	0553	0.2550	0.0100				1			0
019.99	Calcium, Miscellaneous (%)	0242	0.2300	0.0000				2			0
019.99	Calcium, Miscellaneous (%)	0619	0.2625	0.0050				2			0
021.31	Cobalt, AAS, Dry ash (ppm)	0164	< 0.75					0			5
021.41	Cobalt, ICP, Dry ash (ppm)	0171	0.0470	0.0020				2			0
021.41	Cobalt, ICP, Dry ash (ppm)	0407	0.2437	0.0088				2			0
021.43	Cobalt, ICP, Microwave (ppm)	0510	0.1700	0.0000				1			0
021.53	Cobalt, ICP-MS, Microwave (ppm)	0553	0.0788	0.0016				2			0
021.53	Cobalt, ICP-MS, Microwave (ppm)	0918	0.0860	0.0026				2			0
022.31	Copper, AAS, Dry ash (ppm)	0529	14.30	4.000				2			0
022.31	Copper, AAS, Dry ash (ppm)	2115	16.55	0.8580				2			0
022.31	Copper, AAS, Dry ash (ppm)	0656	< 20.2					2			5
022.33	Copper, AAS, Microwave (ppm)	0010	14.60	0.0000				1			0
022.41	Copper, ICP, Dry ash (ppm)	0407	12.28	0.2480	14.08	0.7407	0.4273	8	-2.43	6%	0
022.41	Copper, ICP, Dry ash (ppm)	0164	13.50	1.000	14.08	0.7407	0.4273	8	-0.78	2%	0
022.41	Copper, ICP, Dry ash (ppm)	0171	13.79	0.3900	14.08	0.7407	0.4273	8	-0.39	1%	0
022.41	Copper, ICP, Dry ash (ppm)	0074	14.00	0.0000	14.08	0.7407	0.4273	8	-0.10	0%	0
022.41	Copper, ICP, Dry ash (ppm)	0208	14.36	1.370	14.08	0.7407	0.4273	8	0.38	1%	0
022.41	Copper, ICP, Dry ash (ppm)	0098	14.37	0.2600	14.08	0.7407	0.4273	8	0.40	1%	0
022.41	Copper, ICP, Dry ash (ppm)	0051	14.64	0.1500	14.08	0.7407	0.4273	8	0.75	2%	0
022.41	Copper, ICP, Dry ash (ppm)	0003	15.00	0.0000	14.08	0.7407	0.4273	8	1.25	3%	0
022.42	Copper, ICP, Open vessel (ppm)	0870	15.15	0.3600				2			0
022.42	Copper, ICP, Open vessel (ppm)	2207	15.50	1.000				2			0
022.43	Copper, ICP, Microwave (ppm)	2136	12.60	0.2000	14.24	1.958	0.6038	8	-0.84	6%	0
022.43	Copper, ICP, Microwave (ppm)	0510	13.00	0.0000	14.24	1.958	0.6038	8	-0.63	4%	0
022.43	Copper, ICP, Microwave (ppm)	0098	13.19	0.2600	14.24	1.958	0.6038	8	-0.54	4%	0



Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
022.43	Copper, ICP, Microwave (ppm)	0918	13.31	0.1700	14.24	1.958	0.6038	8	-0.48	3%	0
022.43	Copper, ICP, Microwave (ppm)	0202	13.37	1.070	14.24	1.958	0.6038	8	-0.45	3%	0
022.43	Copper, ICP, Microwave (ppm)	2124	14.84	0.2800	14.24	1.958	0.6038	8	0.30	2%	0
022.43	Copper, ICP, Microwave (ppm)	0042	16.50	2.000	14.24	1.958	0.6038	8	1.15	8%	0
022.43	Copper, ICP, Microwave (ppm)	2089	17.15	0.8500	14.24	1.958	0.6038	8	1.48	10%	0
022.53	Copper, ICP-MS, Microwave (ppm)	0553	13.90	0.0000				1			0
022.99	Copper, Miscellaneous (ppm)	0242	13.50	1.000				2			0
022.99	Copper, Miscellaneous (ppm)	0619	13.80	0.0000				2			0
025.31	Iron, AAS, Dry ash (ppm)	0001	89.53	1.390	107.9	17.81	5.432	4			0
025.31	Iron, AAS, Dry ash (ppm)	0656	98.83	0.0000	107.9	17.81	5.432	4			0
025.31	Iron, AAS, Dry ash (ppm)	0529	113.0	12.20	107.9	17.81	5.432	4			0
025.31	Iron, AAS, Dry ash (ppm)	2115	130.4	8.136	107.9	17.81	5.432	4			0
025.41	Iron, ICP, Dry ash (ppm)	0051	101.0	0.0000	103.4	2.528	3.016	7	-0.94	1%	0
025.41	Iron, ICP, Dry ash (ppm)	0074	101.5	1.000	103.4	2.528	3.016	7	-0.75	1%	0
025.41	Iron, ICP, Dry ash (ppm)	0171	101.6	0.8000	103.4	2.528	3.016	7	-0.71	1%	0
025.41	Iron, ICP, Dry ash (ppm)	0407	103.4	7.510	103.4	2.528	3.016	7	0.02	0%	0
025.41	Iron, ICP, Dry ash (ppm)	0164	104.0	0.0000	103.4	2.528	3.016	7	0.24	0%	0
025.41	Iron, ICP, Dry ash (ppm)	0098	105.0	4.000	103.4	2.528	3.016	7	0.64	1%	0
025.41	Iron, ICP, Dry ash (ppm)	0208	107.8	7.800	103.4	2.528	3.016	7	1.75	2%	0
025.41	Iron, ICP, Dry ash (ppm)	0003	130.0	48.00	103.4	2.528	3.016	7	10.53	13%	1
025.42	Iron, ICP, Open vessel (ppm)	0870	103.1	5.600				2			0
025.42	Iron, ICP, Open vessel (ppm)	2207	103.5	5.000				2			0
025.43	Iron, ICP, Microwave (ppm)	0510	98.00	0.0000	103.6	5.232	4.822	5			0
025.43	Iron, ICP, Microwave (ppm)	0918	101.2	2.010	103.6	5.232	4.822	5			0
025.43	Iron, ICP, Microwave (ppm)	2136	101.3	7.400	103.6	5.232	4.822	5			0
025.43	Iron, ICP, Microwave (ppm)	0098	105.8	7.700	103.6	5.232	4.822	5			0
025.43	Iron, ICP, Microwave (ppm)	2124	111.5	7.000	103.6	5.232	4.822	5			0
025.43	Iron, ICP, Microwave (ppm)	2089	301.8	57.21	103.6	5.232	4.822	5			1
025.53	Iron, ICP-MS, Microwave (ppm)	0553	103.0	4.000				1			0
025.99	Iron, Miscellaneous (ppm)	0242	96.50	5.000				2			0
025.99	Iron, Miscellaneous (ppm)	0619	101.5	2.506				2			0
027.31	Magnesium, AAS, Dry ash (%)	0529	0.2615	0.0070				3			0
027.31	Magnesium, AAS, Dry ash (%)	0001	0.2691	0.0018				3			0
027.31	Magnesium, AAS, Dry ash (%)	2115	0.2760	0.0020				3			0
027.41	Magnesium, ICP, Dry ash (%)	2232	0.2330	0.0080	0.2661	0.0179	0.0046	8	-1.85	6%	0
027.41	Magnesium, ICP, Dry ash (%)	0407	0.2519	0.0060	0.2661	0.0179	0.0046	8	-0.79	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0051	0.2593	0.0015	0.2661	0.0179	0.0046	8	-0.38	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0074	0.2650	0.0000	0.2661	0.0179	0.0046	8	-0.06	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0164	0.2675	0.0090	0.2661	0.0179	0.0046	8	0.08	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0003	0.2800	0.0000	0.2661	0.0179	0.0046	8	0.78	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0208	0.2810	0.0020	0.2661	0.0179	0.0046	8	0.83	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0098	0.2850	0.0100	0.2661	0.0179	0.0046	8	1.05	4%	0

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027.41	Magnesium, ICP, Dry ash (%)	0171	0.2300	0.0400	0.2661	0.0179	0.0046	8	-2.02	7%	1
027.42	Magnesium, ICP, Open vessel (%)	0870	0.2619	0.0152				2			0
027.42	Magnesium, ICP, Open vessel (%)	2207	0.2700	0.0000				2			0
027.43	Magnesium, ICP, Microwave (%)	0510	0.2450	0.0100	0.2640	0.0149	0.0056	8	-1.28	4%	0
027.43	Magnesium, ICP, Microwave (%)	0202	0.2500	0.0040	0.2640	0.0149	0.0056	8	-0.94	3%	0
027.43	Magnesium, ICP, Microwave (%)	0918	0.2570	0.0060	0.2640	0.0149	0.0056	8	-0.47	1%	0
027.43	Magnesium, ICP, Microwave (%)	0098	0.2650	0.0100	0.2640	0.0149	0.0056	8	0.06	0%	0
027.43	Magnesium, ICP, Microwave (%)	2136	0.2690	0.0080	0.2640	0.0149	0.0056	8	0.33	1%	0
027.43	Magnesium, ICP, Microwave (%)	2089	0.2700	0.0000	0.2640	0.0149	0.0056	8	0.40	1%	0
027.43	Magnesium, ICP, Microwave (%)	2124	0.2700	0.0000	0.2640	0.0149	0.0056	8	0.40	1%	0
027.43	Magnesium, ICP, Microwave (%)	0042	0.2925	0.0070	0.2640	0.0149	0.0056	8	1.91	5%	0
027.44	Magnesium, ICP, Dry ash (%)	0065	0.2550	0.0100	0.2598	0.0044	0.0035	6	-1.09	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2252	0.2570	0.0060	0.2598	0.0044	0.0035	6	-0.63	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2220	0.2580	0.0020	0.2598	0.0044	0.0035	6	-0.40	0%	0
027.44	Magnesium, ICP, Dry ash (%)	2219	0.2600	0.0020	0.2598	0.0044	0.0035	6	0.06	0%	0
027.44	Magnesium, ICP, Dry ash (%)	2156	0.2640	0.0000	0.2598	0.0044	0.0035	6	0.98	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2293	0.2645	0.0010	0.2598	0.0044	0.0035	6	1.09	1%	0
027.53	Magnesium, ICP-MS, Microwave (%)	0553	0.2760	0.0080				1			0
027.99	Magnesium, Miscellaneous (%)	0242	0.2500	0.0000				2			0
027.99	Magnesium, Miscellaneous (%)	0619	0.2755	0.0030				2			0
028.31	Manganese, AAS, Dry ash (ppm)	0529	25.75	0.5000				3			0
028.31	Manganese, AAS, Dry ash (ppm)	0656	27.39	0.0000				3			0
028.31	Manganese, AAS, Dry ash (ppm)	2115	31.00	0.0440				3			0
028.41	Manganese, ICP, Dry ash (ppm)	0074	27.00	0.0000	29.08	1.734	0.8708	8	-1.20	4%	0
028.41	Manganese, ICP, Dry ash (ppm)	0171	27.50	0.0000	29.08	1.734	0.8708	8	-0.91	3%	0
028.41	Manganese, ICP, Dry ash (ppm)	0051	28.00	0.1500	29.08	1.734	0.8708	8	-0.63	2%	0
028.41	Manganese, ICP, Dry ash (ppm)	0208	29.13	1.800	29.08	1.734	0.8708	8	0.03	0%	0
028.41	Manganese, ICP, Dry ash (ppm)	0407	29.16	0.2766	29.08	1.734	0.8708	8	0.04	0%	0
028.41	Manganese, ICP, Dry ash (ppm)	0164	30.00	2.000	29.08	1.734	0.8708	8	0.53	2%	0
028.41	Manganese, ICP, Dry ash (ppm)	0098	30.37	1.740	29.08	1.734	0.8708	8	0.74	2%	0
028.41	Manganese, ICP, Dry ash (ppm)	0003	31.50	1.000	29.08	1.734	0.8708	8	1.39	4%	0
028.42	Manganese, ICP, Open vessel (ppm)	0870	27.20	0.7900				2			0
028.42	Manganese, ICP, Open vessel (ppm)	2207	31.00	2.000				2			0
028.43	Manganese, ICP, Microwave (ppm)	0510	25.00	0.0000	29.38	3.462	0.5329	7	-1.26	7%	0
028.43	Manganese, ICP, Microwave (ppm)	2136	27.10	1.600	29.38	3.462	0.5329	7	-0.66	4%	0
028.43	Manganese, ICP, Microwave (ppm)	0918	27.82	0.1800	29.38	3.462	0.5329	7	-0.45	3%	0
028.43	Manganese, ICP, Microwave (ppm)	0098	30.27	0.6200	29.38	3.462	0.5329	7	0.26	2%	0
028.43	Manganese, ICP, Microwave (ppm)	2124	30.34	0.0300	29.38	3.462	0.5329	7	0.28	2%	0
028.43	Manganese, ICP, Microwave (ppm)	2089	30.67	1.030	29.38	3.462	0.5329	7	0.37	2%	0
028.43	Manganese, ICP, Microwave (ppm)	0202	34.46	0.2700	29.38	3.462	0.5329	7	1.47	9%	0
028.43	Manganese, ICP, Microwave (ppm)	0042	31.95	4.700	29.38	3.462	0.5329	7	0.74	4%	1
028.53	Manganese, ICP-MS, Microwave (ppm)	0553	28.60	0.2000				1			0

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028.99	Manganese, Miscellaneous (ppm)	0242	26.50	1.000				2			0
028.99	Manganese, Miscellaneous (ppm)	0619	26.85	0.3000				2			0
031.01	Phosphorus, Photometric (%)	0529	0.6600	0.0000	0.6703	0.0082	0.0000	4			0
031.01	Phosphorus, Photometric (%)	2115	0.6700	0.0000	0.6703	0.0082	0.0000	4			0
031.01	Phosphorus, Photometric (%)	0208	0.6710	0.0000	0.6703	0.0082	0.0000	4			0
031.01	Phosphorus, Photometric (%)	0656	0.6800	0.0000	0.6703	0.0082	0.0000	4			0
031.03	Phosphorus, Autoanalyzer (%)	0001	0.6834	0.0143				1			0
031.41	Phosphorus, ICP, Dry ash (%)	2232	0.5705	0.0250	0.6803	0.0231	0.0129	8	-4.75	8%	0
031.41	Phosphorus, ICP, Dry ash (%)	0051	0.6665	0.0021	0.6803	0.0231	0.0129	8	-0.60	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0164	0.6720	0.0080	0.6803	0.0231	0.0129	8	-0.36	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0407	0.6764	0.0081	0.6803	0.0231	0.0129	8	-0.17	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0171	0.6800	0.0000	0.6803	0.0231	0.0129	8	-0.01	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0208	0.6925	0.0210	0.6803	0.0231	0.0129	8	0.53	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0074	0.6985	0.0110	0.6803	0.0231	0.0129	8	0.79	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0098	0.7111	0.0278	0.6803	0.0231	0.0129	8	1.33	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0003	0.9100	0.1000	0.6803	0.0231	0.0129	8	9.94	17%	1
031.42	Phosphorus, ICP, Open vessel (%)	0870	0.6444	0.0260				2			0
031.42	Phosphorus, ICP, Open vessel (%)	2207	0.6850	0.0100				2			0
031.43	Phosphorus, ICP, Microwave (%)	0202	0.6060	0.0340	0.6791	0.0286	0.0157	9	-2.55	5%	0
031.43	Phosphorus, ICP, Microwave (%)	2136	0.6585	0.0070	0.6791	0.0286	0.0157	9	-0.72	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0042	0.6625	0.0250	0.6791	0.0286	0.0157	9	-0.58	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0001	0.6650	0.0260	0.6791	0.0286	0.0157	9	-0.49	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0918	0.6770	0.0080	0.6791	0.0286	0.0157	9	-0.08	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0510	0.7000	0.0000	0.6791	0.0286	0.0157	9	0.73	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0098	0.7032	0.0015	0.6791	0.0286	0.0157	9	0.84	2%	0
031.43	Phosphorus, ICP, Microwave (%)	2089	0.7050	0.0300	0.6791	0.0286	0.0157	9	0.90	2%	0
031.43	Phosphorus, ICP, Microwave (%)	2124	0.7050	0.0100	0.6791	0.0286	0.0157	9	0.90	2%	0
031.44	Phosphorus, ICP, Dry ash (%)	0065	0.6200	0.0200	0.6425	0.0047	0.0150	6	-4.76	2%	0
031.44	Phosphorus, ICP, Dry ash (%)	2220	0.6400	0.0200	0.6425	0.0047	0.0150	6	-0.53	0%	0
031.44	Phosphorus, ICP, Dry ash (%)	2252	0.6400	0.0200	0.6425	0.0047	0.0150	6	-0.53	0%	0
031.44	Phosphorus, ICP, Dry ash (%)	2156	0.6450	0.0100	0.6425	0.0047	0.0150	6	0.53	0%	0
031.44	Phosphorus, ICP, Dry ash (%)	2219	0.6450	0.0100	0.6425	0.0047	0.0150	6	0.53	0%	0
031.44	Phosphorus, ICP, Dry ash (%)	2293	0.6550	0.0100	0.6425	0.0047	0.0150	6	2.64	1%	0
031.53	Phosphorus, ICP-MS, Microwave (%)	0553	0.7105	0.0230				1			0
031.99	Phosphorus, Miscellaneous (%)	0242	0.5950	0.0100				2			0
031.99	Phosphorus, Miscellaneous (%)	0619	0.7665	0.0130				2			0
032.31	Potassium, AAS, Dry ash (%)	0529	1.870	0.0600				2			0
032.31	Potassium, AAS, Dry ash (%)	2115	2.140	0.0800				2			0
032.41	Potassium, ICP, Dry ash (%)	2232	1.764	0.0610	2.045	0.1563	0.0589	9	-1.80	7%	0
032.41	Potassium, ICP, Dry ash (%)	0003	1.825	0.0100	2.045	0.1563	0.0589	9	-1.41	5%	0
032.41	Potassium, ICP, Dry ash (%)	0171	2.060	0.0000	2.045	0.1563	0.0589	9	0.09	0%	0
032.41	Potassium, ICP, Dry ash (%)	0164	2.065	0.0700	2.045	0.1563	0.0589	9	0.13	0%	0

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032.41	Potassium, ICP, Dry ash (%)	0074	2.070	0.0600	2.045	0.1563	0.0589	9	0.16	1%	0
032.41	Potassium, ICP, Dry ash (%)	0407	2.090	0.0725	2.045	0.1563	0.0589	9	0.29	1%	0
032.41	Potassium, ICP, Dry ash (%)	0051	2.107	0.0105	2.045	0.1563	0.0589	9	0.40	2%	0
032.41	Potassium, ICP, Dry ash (%)	0208	2.183	0.1960	2.045	0.1563	0.0589	9	0.88	3%	0
032.41	Potassium, ICP, Dry ash (%)	0098	2.195	0.0500	2.045	0.1563	0.0589	9	0.96	4%	0
032.42	Potassium, ICP, Open vessel (%)	0870	1.979	0.0940				2			0
032.42	Potassium, ICP, Open vessel (%)	2207	2.040	0.0000				2			0
032.43	Potassium, ICP, Microwave (%)	0918	1.911	0.0940	2.017	0.0852	0.0371	9	-1.24	3%	0
032.43	Potassium, ICP, Microwave (%)	2089	1.930	0.0000	2.017	0.0852	0.0371	9	-1.02	2%	0
032.43	Potassium, ICP, Microwave (%)	2136	1.945	0.0100	2.017	0.0852	0.0371	9	-0.84	2%	0
032.43	Potassium, ICP, Microwave (%)	0098	2.010	0.0800	2.017	0.0852	0.0371	9	-0.08	0%	0
032.43	Potassium, ICP, Microwave (%)	0510	2.020	0.0000	2.017	0.0852	0.0371	9	0.04	0%	0
032.43	Potassium, ICP, Microwave (%)	0202	2.035	0.0700	2.017	0.0852	0.0371	9	0.21	0%	0
032.43	Potassium, ICP, Microwave (%)	0010	2.095	0.0300	2.017	0.0852	0.0371	9	0.92	2%	0
032.43	Potassium, ICP, Microwave (%)	0042	2.095	0.0300	2.017	0.0852	0.0371	9	0.92	2%	0
032.43	Potassium, ICP, Microwave (%)	2124	2.110	0.0200	2.017	0.0852	0.0371	9	1.09	2%	0
032.44	Potassium, ICP, Dry ash (%)	0065	1.955	0.0300	1.983	0.0289	0.0417	6	-0.95	1%	0
032.44	Potassium, ICP, Dry ash (%)	2252	1.960	0.0600	1.983	0.0289	0.0417	6	-0.78	1%	0
032.44	Potassium, ICP, Dry ash (%)	2220	1.975	0.0300	1.983	0.0289	0.0417	6	-0.26	0%	0
032.44	Potassium, ICP, Dry ash (%)	2219	1.980	0.0400	1.983	0.0289	0.0417	6	-0.09	0%	0
032.44	Potassium, ICP, Dry ash (%)	2156	2.005	0.0300	1.983	0.0289	0.0417	6	0.78	1%	0
032.44	Potassium, ICP, Dry ash (%)	2293	2.020	0.0600	1.983	0.0289	0.0417	6	1.30	1%	0
032.53	Potassium, ICP-MS, Microwave (%)	0553	2.105	0.0500				1			0
032.99	Potassium, Miscellaneous (%)	0242	1.920	0.0400				3			0
032.99	Potassium, Miscellaneous (%)	0001	2.045	0.0120				3			0
032.99	Potassium, Miscellaneous (%)	0619	2.110	0.0200				3			0
033.00	Salt as chloride, Sol Cl (%)	0309	< 0.1					0			5
033.01	Salt as chloride, Poten Cl (%)	0098	0.0250	0.0100	0.0399	0.0235	0.0058	4			0
033.01	Salt as chloride, Poten Cl (%)	0407	0.0295	0.0030	0.0399	0.0235	0.0058	4			0
033.01	Salt as chloride, Poten Cl (%)	0242	0.0300	0.0000	0.0399	0.0235	0.0058	4			0
033.01	Salt as chloride, Poten Cl (%)	0510	0.0750	0.0100	0.0399	0.0235	0.0058	4			0
033.01	Salt as chloride, Poten Cl (%)	0164	< 0.1		0.0399	0.0235	0.0058	4			5
033.05	Salt as chloride, Ion Sel Electrode (%)	0171	0.0185	0.0010				1			0
034.04	Selenium, AA, Hydride (ppm)	0171	0.2110	0.0000				2			0
034.04	Selenium, AA, Hydride (ppm)	0164	0.2255	0.0130				2			0
034.41	Selenium, ICP, Dry ash (ppm)	0407	0.1300	0.0200				2			0
034.41	Selenium, ICP, Dry ash (ppm)	0619	0.1930	0.0080				2			0
034.43	Selenium, ICP, Microwave (ppm)	2136	0.3165	0.0130				1			0
034.52	Selenium, ICP-MS, Open vessel (ppm)	2207	0.1000	0.0000				1			0
034.53	Selenium, ICP-MS, Microwave (ppm)	0553	0.2395	0.0050				3			0
034.53	Selenium, ICP-MS, Microwave (ppm)	0918	0.3399	0.0081				3			0
034.53	Selenium, ICP-MS, Microwave (ppm)	0003	0.6980	0.0140				3			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
035.31	Sodium, AAS, Dry ash (%)	0656	0.0042	0.0000				2			0
035.31	Sodium, AAS, Dry ash (%)	0529	0.0140	0.0060				2			0
035.41	Sodium, ICP, Dry ash (%)	0407	0.0058	0.0004	0.0266	0.0216	0.0080	13	-0.96	39%	0
035.41	Sodium, ICP, Dry ash (%)	0164	0.0070	0.0000	0.0266	0.0216	0.0080	13	-0.91	37%	0
035.41	Sodium, ICP, Dry ash (%)	0098	0.0076	0.0002	0.0266	0.0216	0.0080	13	-0.88	36%	0
035.41	Sodium, ICP, Dry ash (%)	2232	0.0115	0.0010	0.0266	0.0216	0.0080	13	-0.70	28%	0
035.41	Sodium, ICP, Dry ash (%)	0065	0.0160	0.0000	0.0266	0.0216	0.0080	13	-0.49	20%	0
035.41	Sodium, ICP, Dry ash (%)	0619	0.0175	0.0030	0.0266	0.0216	0.0080	13	-0.42	17%	0
035.41	Sodium, ICP, Dry ash (%)	0051	0.0210	0.0026	0.0266	0.0216	0.0080	13	-0.26	11%	0
035.41	Sodium, ICP, Dry ash (%)	0171	0.0235	0.0010	0.0266	0.0216	0.0080	13	-0.14	6%	0
035.41	Sodium, ICP, Dry ash (%)	2156	0.0300	0.0200	0.0266	0.0216	0.0080	13	0.16	6%	0
035.41	Sodium, ICP, Dry ash (%)	2252	0.0430	0.0060	0.0266	0.0216	0.0080	13	0.76	31%	0
035.41	Sodium, ICP, Dry ash (%)	2220	0.0450	0.0100	0.0266	0.0216	0.0080	13	0.85	35%	0
035.41	Sodium, ICP, Dry ash (%)	2219	0.0650	0.0300	0.0266	0.0216	0.0080	13	1.77	72%	0
035.41	Sodium, ICP, Dry ash (%)	2293	0.0650	0.0300	0.0266	0.0216	0.0080	13	1.77	72%	0
035.42	Sodium, ICP, Open vessel (%)	0870	0.0074	0.0002				1			0
035.42	Sodium, ICP, Open vessel (%)	2207	< 0.01					1			5
035.43	Sodium, ICP, Microwave (%)	2124	0.0030	0.0000	0.0055	0.0030	0.0009	5			0
035.43	Sodium, ICP, Microwave (%)	2136	0.0039	0.0003	0.0055	0.0030	0.0009	5			0
035.43	Sodium, ICP, Microwave (%)	0510	0.0045	0.0010	0.0055	0.0030	0.0009	5			0
035.43	Sodium, ICP, Microwave (%)	0098	0.0056	0.0023	0.0055	0.0030	0.0009	5			0
035.43	Sodium, ICP, Microwave (%)	0202	0.0105	0.0010	0.0055	0.0030	0.0009	5			0
035.43	Sodium, ICP, Microwave (%)	2089	0.0150	0.0100	0.0055	0.0030	0.0009	5			1
035.43	Sodium, ICP, Microwave (%)	0042	< 0.012		0.0055	0.0030	0.0009	5			5
035.43	Sodium, ICP, Microwave (%)	0918	< 0.014		0.0055	0.0030	0.0009	5			5
035.99	Sodium, Miscellaneous (%)	0242	< 0.01					0			5
036.42	Sulfur, ICP, Open vessel (%)	0164	0.3550	0.0300	0.3621	0.0098	0.0174	4			0
036.42	Sulfur, ICP, Open vessel (%)	0870	0.3569	0.0213	0.3621	0.0098	0.0174	4			0
036.42	Sulfur, ICP, Open vessel (%)	0171	0.3600	0.0000	0.3621	0.0098	0.0174	4			0
036.42	Sulfur, ICP, Open vessel (%)	0407	0.3764	0.0183	0.3621	0.0098	0.0174	4			0
036.43	Sulfur, ICP, Microwave (%)	0918	0.3630	0.0000	0.3844	0.0216	0.0058	6	-0.99	3%	0
036.43	Sulfur, ICP, Microwave (%)	0202	0.3655	0.0130	0.3844	0.0216	0.0058	6	-0.87	2%	0
036.43	Sulfur, ICP, Microwave (%)	2089	0.3800	0.0000	0.3844	0.0216	0.0058	6	-0.20	1%	0
036.43	Sulfur, ICP, Microwave (%)	0510	0.3900	0.0000	0.3844	0.0216	0.0058	6	0.26	1%	0
036.43	Sulfur, ICP, Microwave (%)	0042	0.3940	0.0100	0.3844	0.0216	0.0058	6	0.45	1%	0
036.43	Sulfur, ICP, Microwave (%)	0098	0.4136	0.0118	0.3844	0.0216	0.0058	6	1.36	4%	0
036.53	Sulfur, ICP-MS, Microwave (%)	0553	0.3845	0.0070				1			0
036.99	Sulfur, Miscellaneous (%)	0242	0.3600	0.0000				1			0
037.31	Zinc, AAS, Dry ash (ppm)	0656	59.12	0.0000				3			0
037.31	Zinc, AAS, Dry ash (ppm)	0529	59.45	0.3000				3			0
037.31	Zinc, AAS, Dry ash (ppm)	2115	65.17	0.8460				3			0
037.31	Zinc, AAS, Dry ash (ppm)	0001	54.79	3.380				3			1

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037.33	Zinc, AAS, Microwave (ppm)	0010	60.00	0.0000				1			0
037.41	Zinc, ICP, Dry ash (ppm)	0074	54.00	2.000	60.70	4.700	1.958	8	-1.42	6%	0
037.41	Zinc, ICP, Dry ash (ppm)	0208	57.85	3.480	60.70	4.700	1.958	8	-0.61	2%	0
037.41	Zinc, ICP, Dry ash (ppm)	0051	58.37	0.0000	60.70	4.700	1.958	8	-0.50	2%	0
037.41	Zinc, ICP, Dry ash (ppm)	0164	59.50	3.000	60.70	4.700	1.958	8	-0.25	1%	0
037.41	Zinc, ICP, Dry ash (ppm)	0407	62.02	2.315	60.70	4.700	1.958	8	0.28	1%	0
037.41	Zinc, ICP, Dry ash (ppm)	0171	62.85	0.9000	60.70	4.700	1.958	8	0.46	2%	0
037.41	Zinc, ICP, Dry ash (ppm)	0098	63.49	0.9700	60.70	4.700	1.958	8	0.59	2%	0
037.41	Zinc, ICP, Dry ash (ppm)	0003	67.50	3.000	60.70	4.700	1.958	8	1.45	6%	0
037.42	Zinc, ICP, Open vessel (ppm)	0870	47.69	0.5300				2			0
037.42	Zinc, ICP, Open vessel (ppm)	2207	63.50	5.000				2			0
037.43	Zinc, ICP, Microwave (ppm)	0918	53.83	1.090	58.09	4.637	1.223	7	-0.92	4%	0
037.43	Zinc, ICP, Microwave (ppm)	2136	54.10	1.400	58.09	4.637	1.223	7	-0.86	3%	0
037.43	Zinc, ICP, Microwave (ppm)	0510	56.00	0.0000	58.09	4.637	1.223	7	-0.45	2%	0
037.43	Zinc, ICP, Microwave (ppm)	0042	56.75	2.700	58.09	4.637	1.223	7	-0.29	1%	0
037.43	Zinc, ICP, Microwave (ppm)	2124	58.94	0.5400	58.09	4.637	1.223	7	0.18	1%	0
037.43	Zinc, ICP, Microwave (ppm)	0098	63.15	1.110	58.09	4.637	1.223	7	1.09	4%	0
037.43	Zinc, ICP, Microwave (ppm)	2089	63.90	1.720	58.09	4.637	1.223	7	1.25	5%	0
037.43	Zinc, ICP, Microwave (ppm)	0202	60.73	11.15	58.09	4.637	1.223	7	0.57	2%	1
037.53	Zinc, ICP-MS, Microwave (ppm)	0553	60.80	0.8000				1			0
037.99	Zinc, Miscellaneous (ppm)	0242	51.50	1.000				2			0
037.99	Zinc, Miscellaneous (ppm)	0619	54.00	1.600				2			0
038.41	Molybdenum, ICP, Dry ash (ppm)	0171	7.785	0.1500				2			0
038.41	Molybdenum, ICP, Dry ash (ppm)	0407	8.325	0.0123				2			0
038.43	Molybdenum, ICP, Microwave (ppm)	0510	9.400	0.0000				2			0
038.43	Molybdenum, ICP, Microwave (ppm)	0202	9.415	1.030				2			0
038.53	Molybdenum, ICP-MS, Microwave (ppm)	0553	10.30	0.0000				2			0
038.53	Molybdenum, ICP-MS, Microwave (ppm)	0918	10.57	0.0916				2			0
040.53	Barium, ICP-MS, Microwave (ppm)	0918	2.757	0.0051				1			0
041.53	Vanadium, ICP-MS, Microwave (ppm)	0553	0.0875	0.0065				1			0
101.01	Choline Chloride, Chem (ppm)	0160	2,120	400.0				1			0
101.02	Choline Chloride, LC (ppm)	0227	3,010	20.00				2			0
101.02	Choline Chloride, LC (ppm)	0619	3,934	101.0				2			0
102.01	Niacin, Microbiological (ppm)	0227	47.75	1.500				1			0
102.02	Niacin, LC (ppm)	2124	15.44	0.2800				2			0
102.02	Niacin, LC (ppm)	0010	16.10	0.2000				2			0
103.01	Pantothenic Acid, Microbiological (ppm)	0227	10.40	0.6000				1			0
103.02	Pantothenic Acid, LC (ppm)	0010	11.60	0.8000				2			0
103.02	Pantothenic Acid, LC (ppm)	2124	92.06	6.300				2			0
104.00	Riboflavin, Fluorometric (ppm)	0171	5.405	0.4100				2			0
104.00	Riboflavin, Fluorometric (ppm)	0227	6.320	0.5400				2			0
104.03	Riboflavin, LC (ppm)	0010	0.9000	0.2000				2			0

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104.03	Riboflavin, LC (ppm)	2124	7.200	0.0000				2		0	
105.00	Thiamine, LC (ppm)	0010	2.150	0.3000				2		0	
105.00	Thiamine, LC (ppm)	2124	3.900	0.1600				2		0	
105.01	Thiamine, Fluorometer (ppm)	0227	6.935	0.0700				1		0	
107.00	Vitamin B12, Microbiological (ppb)	0227	18.15	0.1000				1		0	
109.02	Vitamin E, LC (IU / kg)	0619	1.000	0.0000				1		0	
112.01	Pyridoxine, LC (µg / g)	0227	4.235	0.0500				2		0	
112.01	Pyridoxine, LC (µg / g)	2124	35.91	2.170				2		0	
113.01	Folic Acid, Micro (ppm)	0227	3.410	0.1200				1		0	
114.01	Biotin, Microbiological (ppm)	0227	0.4405	0.0230				1		0	
114.99	Biotin, Miscellaneous (ppm)	0010	< 5					0		5	
120.00	Alanine, Post-col Ninhydrin Der (%)	0619	1.955	0.0500	2.071	0.0816	0.0224	5		0	
120.00	Alanine, Post-col Ninhydrin Der (%)	0918	2.024	0.0259	2.071	0.0816	0.0224	5		0	
120.00	Alanine, Post-col Ninhydrin Der (%)	0504	2.090	0.0200	2.071	0.0816	0.0224	5		0	
120.00	Alanine, Post-col Ninhydrin Der (%)	0227	2.130	0.0000	2.071	0.0816	0.0224	5		0	
120.00	Alanine, Post-col Ninhydrin Der (%)	0870	2.155	0.0163	2.071	0.0816	0.0224	5		0	
120.05	Alanine, Pre-col AQC Der (%)	0407	1.638	0.2160				2		0	
120.05	Alanine, Pre-col AQC Der (%)	0242	2.010	0.0600				2		0	
121.00	Arginine, Post-col Ninhydrin Der (%)	0619	3.155	0.0300	3.342	0.1399	0.0353	6	-1.34	3%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0870	3.276	0.0556	3.342	0.1399	0.0353	6	-0.48	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0504	3.330	0.0600	3.342	0.1399	0.0353	6	-0.09	0%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0227	3.355	0.0300	3.342	0.1399	0.0353	6	0.09	0%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0918	3.424	0.0131	3.342	0.1399	0.0353	6	0.58	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	2115	3.515	0.0230	3.342	0.1399	0.0353	6	1.23	3%	0
121.05	Arginine, Pre-col AQC Der (%)	0407	2.630	0.1680				2		0	
121.05	Arginine, Pre-col AQC Der (%)	0242	3.165	0.1500				2		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0619	4.960	0.1000	5.226	0.2007	0.0374	5		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0504	5.120	0.0000	5.226	0.2007	0.0374	5		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0227	5.225	0.0300	5.226	0.2007	0.0374	5		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0870	5.340	0.0251	5.226	0.2007	0.0374	5		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0918	5.483	0.0319	5.226	0.2007	0.0374	5		0	
122.05	Aspartic, Pre-col AQC Der (%)	0407	3.566	0.3790				2		0	
122.05	Aspartic, Pre-col AQC Der (%)	0242	5.100	0.1600				2		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0870	0.5642	0.0290	0.6044	0.0393	0.0088	6	-1.02	3%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0227	0.5700	0.0000	0.6044	0.0393	0.0088	6	-0.88	3%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	2115	0.5930	0.0080	0.6044	0.0393	0.0088	6	-0.29	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0918	0.6150	0.0100	0.6044	0.0393	0.0088	6	0.27	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0619	0.6340	0.0060	0.6044	0.0393	0.0088	6	0.75	2%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0504	0.6500	0.0000	0.6044	0.0393	0.0088	6	1.16	4%	0
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0407	0.5275	0.1630				2		0	
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0242	0.5850	0.0500				2		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0619	7.020	0.1800	8.295	0.7903	0.0725	5		0	

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125.00	Glutamic, Post-col Ninhydrin Der (%)	0504	8.195	0.0500	8.295	0.7903	0.0725	5		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0227	8.400	0.0400	8.295	0.7903	0.0725	5		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0870	8.781	0.0421	8.295	0.7903	0.0725	5		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0918	9.079	0.0505	8.295	0.7903	0.0725	5		0	
125.05	Glutamic, Pre-col AQC Der (%)	0407	5.039	1.602				2		0	
125.05	Glutamic, Pre-col AQC Der (%)	0242	7.855	0.2900				2		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0870	1.969	0.0158	1.993	0.0338	0.0057	4		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0227	1.980	0.0000	1.993	0.0338	0.0057	4		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0504	1.980	0.0000	1.993	0.0338	0.0057	4		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0918	2.043	0.0068	1.993	0.0338	0.0057	4		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0619	1.885	0.0500	1.993	0.0338	0.0057	4		1	
126.05	Glycine, Pre-col AQC Der (%)	0407	1.846	0.0930				2		0	
126.05	Glycine, Pre-col AQC Der (%)	0242	1.870	0.0600				2		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0619	1.105	0.0100	1.221	0.1024	0.0086	6	-1.13	5%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0227	1.180	0.0000	1.221	0.1024	0.0086	6	-0.40	2%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0504	1.190	0.0000	1.221	0.1024	0.0086	6	-0.30	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0918	1.220	0.0104	1.221	0.1024	0.0086	6	-0.01	0%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0870	1.255	0.0160	1.221	0.1024	0.0086	6	0.34	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	2115	1.459	0.0150	1.221	0.1024	0.0086	6	2.32	10%	0
127.05	Histidine, Pre-col AQC Der (%)	0407	0.9140	0.2140				2		0	
127.05	Histidine, Pre-col AQC Der (%)	0242	1.105	0.0500				2		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0870	1.913	0.0877	2.072	0.1242	0.0318	6	-1.28	4%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0918	1.998	0.0020	2.072	0.1242	0.0318	6	-0.60	2%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0619	2.025	0.0500	2.072	0.1242	0.0318	6	-0.38	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0227	2.155	0.0100	2.072	0.1242	0.0318	6	0.67	2%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	2115	2.158	0.0110	2.072	0.1242	0.0318	6	0.69	2%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0504	2.185	0.0300	2.072	0.1242	0.0318	6	0.91	3%	0
128.05	Isoleucine, Pre-col AQC Der (%)	0407	1.301	0.7800				2		0	
128.05	Isoleucine, Pre-col AQC Der (%)	0242	1.735	0.1500				2		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0619	3.390	0.1000	3.547	0.1237	0.0430	6	-1.27	2%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0870	3.447	0.0573	3.547	0.1237	0.0430	6	-0.81	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	2115	3.567	0.0070	3.547	0.1237	0.0430	6	0.16	0%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0504	3.580	0.0200	3.547	0.1237	0.0430	6	0.26	0%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0227	3.620	0.0200	3.547	0.1237	0.0430	6	0.59	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0918	3.681	0.0538	3.547	0.1237	0.0430	6	1.08	2%	0
129.05	Leucine, Pre-col AQC Der (%)	0407	3.104	0.1590				2		0	
129.05	Leucine, Pre-col AQC Der (%)	0242	3.225	0.0300				2		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0619	2.540	0.0400	2.824	0.1953	0.0520	6	-1.46	5%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	2115	2.777	0.0010	2.824	0.1953	0.0520	6	-0.24	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0504	2.810	0.0200	2.824	0.1953	0.0520	6	-0.07	0%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0227	2.825	0.1500	2.824	0.1953	0.0520	6	0.00	0%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0870	2.944	0.0369	2.824	0.1953	0.0520	6	0.62	2%	0



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130.00	L-Lysine, Post-col Ninhydrin Der (%)	0918	3.049	0.0639	2.824	0.1953	0.0520	6	1.15	4%	0
130.05	L-Lysine, Pre-col AQC Der (%)	0407	2.165	0.9470				2			0
130.05	L-Lysine, Pre-col AQC Der (%)	0242	2.580	0.1200				2			0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0918	0.5700	0.0200	0.6269	0.0633	0.0193	6	-0.90	5%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	2115	0.5795	0.0290	0.6269	0.0633	0.0193	6	-0.75	4%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0619	0.6050	0.0280	0.6269	0.0633	0.0193	6	-0.35	2%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0227	0.6350	0.0100	0.6269	0.0633	0.0193	6	0.13	1%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0504	0.6500	0.0000	0.6269	0.0633	0.0193	6	0.37	2%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0870	0.7339	0.0290	0.6269	0.0633	0.0193	6	1.69	9%	0
131.05	Methionine, PAO Pre-col AQC Der (%)	0242	0.5750	0.0300				2			0
131.05	Methionine, PAO Pre-col AQC Der (%)	0407	0.6600	0.0900				2			0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0619	2.060	0.0600	2.332	0.1151	0.0408	6	-2.36	6%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	2115	2.286	0.0160	2.332	0.1151	0.0408	6	-0.40	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0870	2.340	0.0717	2.332	0.1151	0.0408	6	0.07	0%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0227	2.365	0.0100	2.332	0.1151	0.0408	6	0.29	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0504	2.385	0.0100	2.332	0.1151	0.0408	6	0.46	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0918	2.457	0.0772	2.332	0.1151	0.0408	6	1.09	3%	0
132.05	Phenylalanine, Pre-col AQC Der (%)	0407	2.265	0.5940				2			0
132.05	Phenylalanine, Pre-col AQC Der (%)	0242	2.300	0.1400				2			0
133.00	Proline, Post-col Ninhydrin Der (%)	0870	2.283	0.0790	2.315	0.0237	0.0265	4			0
133.00	Proline, Post-col Ninhydrin Der (%)	0918	2.317	0.0069	2.315	0.0237	0.0265	4			0
133.00	Proline, Post-col Ninhydrin Der (%)	0504	2.320	0.0200	2.315	0.0237	0.0265	4			0
133.00	Proline, Post-col Ninhydrin Der (%)	0227	2.340	0.0000	2.315	0.0237	0.0265	4			0
133.00	Proline, Post-col Ninhydrin Der (%)	0619	1.990	0.0400	2.315	0.0237	0.0265	4			2
133.05	Proline, Pre-col AQC Der (%)	0407	2.074	0.1960				2			0
133.05	Proline, Pre-col AQC Der (%)	0242	2.085	0.0700				2			0
134.00	Serine, Post-col Ninhydrin Der (%)	0504	2.035	0.0100	2.343	0.2167	0.0224	5			0
134.00	Serine, Post-col Ninhydrin Der (%)	0227	2.265	0.0100	2.343	0.2167	0.0224	5			0
134.00	Serine, Post-col Ninhydrin Der (%)	0619	2.335	0.0300	2.343	0.2167	0.0224	5			0
134.00	Serine, Post-col Ninhydrin Der (%)	0918	2.473	0.0613	2.343	0.2167	0.0224	5			0
134.00	Serine, Post-col Ninhydrin Der (%)	0870	2.607	0.0005	2.343	0.2167	0.0224	5			0
134.05	Serine, Pre-col AQC Der (%)	0407	1.650	0.2390				2			0
134.05	Serine, Pre-col AQC Der (%)	0242	2.440	0.0800				2			0
135.00	Threonine, Post-col Ninhydrin Der (%)	0619	1.795	0.0300	1.863	0.0639	0.0233	6	-1.07	2%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0504	1.815	0.0100	1.863	0.0639	0.0233	6	-0.76	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0227	1.830	0.0000	1.863	0.0639	0.0233	6	-0.52	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	2115	1.903	0.0140	1.863	0.0639	0.0233	6	0.62	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0870	1.916	0.0077	1.863	0.0639	0.0233	6	0.82	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0918	1.922	0.0778	1.863	0.0639	0.0233	6	0.92	2%	0
135.05	Threonine, Pre-col AQC Der (%)	0407	1.147	0.1920				2			0
135.05	Threonine, Pre-col AQC Der (%)	0242	1.815	0.1100				2			0
135.99	Threonine, Miscellaneous (%)	0160	1.695	0.2500				1			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0918	0.5000	0.0000	0.6293	0.0916	0.0078	4		0	
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0619	0.6425	0.0070	0.6293	0.0916	0.0078	4		0	
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0870	0.6596	0.0141	0.6293	0.0916	0.0078	4		0	
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0227	0.7150	0.0100	0.6293	0.0916	0.0078	4		0	
136.05	Tryptophan, Pre-col AQC Der (%)	0242	0.6600	0.0000				2		0	
136.05	Tryptophan, Pre-col AQC Der (%)	0407	1.145	0.0300				2		0	
136.99	Tryptophan, Miscellaneous (%)	0504	0.6150	0.0100				1		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0870	1.350	0.0549	1.563	0.1581	0.0786	4		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0227	1.535	0.0500	1.563	0.1581	0.0786	4		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0504	1.665	0.0300	1.563	0.1581	0.0786	4		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0918	1.700	0.1794	1.563	0.1581	0.0786	4		0	
137.05	Tyrosine, Pre-col AQC Der (%)	0407	0.7800	0.0300				2		0	
137.05	Tyrosine, Pre-col AQC Der (%)	0242	1.545	0.1100				2		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0619	1.980	0.0600	2.182	0.1686	0.0327	6	-1.20	5%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0870	2.071	0.0516	2.182	0.1686	0.0327	6	-0.66	3%	0
138.00	Valine, Post-col Ninhydrin Der (%)	2115	2.121	0.0090	2.182	0.1686	0.0327	6	-0.37	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0918	2.241	0.0353	2.182	0.1686	0.0327	6	0.35	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0227	2.330	0.0200	2.182	0.1686	0.0327	6	0.88	3%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0504	2.350	0.0200	2.182	0.1686	0.0327	6	1.00	4%	0
138.05	Valine, Pre-col AQC Der (%)	0242	1.850	0.1800				2		0	
138.05	Valine, Pre-col AQC Der (%)	0407	1.921	0.0280				2		0	
139.00	Taurine, Post-col Ninhydrin Der (%)	0504	0.0950	0.0100				1		0	
139.05	Taurine, Pre-col AQC Der (%)	0407	0.0023	0.0026				1		0	
400.01	Water Activity, Aqualab chilled mirror (Units)	0407	0.5783	0.0045				2		0	
400.01	Water Activity, Aqualab chilled mirror (Units)	2303	0.5877	0.0072				2		0	
400.99	Water Activity, Miscellaneous (Units)	2083	0.5750	0.0100				2		0	
400.99	Water Activity, Miscellaneous (Units)	2033	0.5780	0.0020				2		0	
516.00	Arsenic, Total, AA, Hydride (ppm)	0171	0.0500	0.0040				1		0	
516.43	Arsenic, Total, ICP, Microwave (ppm)	0407	0.8760	0.0140				1		0	
516.43	Arsenic, Total, ICP, Microwave (ppm)	2124	< 0.89					1		5	
516.53	Arsenic, Total, ICP-MS, Microwave (ppm)	0553	0.0539	0.0056				2		0	
516.53	Arsenic, Total, ICP-MS, Microwave (ppm)	0227	0.0570	0.0040				2		0	
516.53	Arsenic, Total, ICP-MS, Microwave (ppm)	0918	< 0.089					2		5	
518.41	Cadmium, ICP, Dry ash (ppm)	0407	0.0403	0.0077				2		0	
518.41	Cadmium, ICP, Dry ash (ppm)	0171	0.0445	0.0010				2		0	
518.43	Cadmium, ICP, Microwave (ppm)	2124	< 0.16					0		5	
518.53	Cadmium, ICP-MS, Microwave (ppm)	0227	0.0525	0.0030				3		0	
518.53	Cadmium, ICP-MS, Microwave (ppm)	0553	0.0567	0.0016				3		0	
518.53	Cadmium, ICP-MS, Microwave (ppm)	0918	0.0645	0.0006				3		0	
520.41	Chromium, ICP, Dry ash (ppm)	0407	0.2874	0.0467				2		0	
520.41	Chromium, ICP, Dry ash (ppm)	0171	0.3375	0.0250				2		0	
520.43	Chromium, ICP, Microwave (ppm)	0510	0.2800	0.0000				1		0	

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
520.53	Chromium, ICP-MS, Microwave (ppm)	0553	0.1570	0.0140				2		0	
520.53	Chromium, ICP-MS, Microwave (ppm)	0918	0.8815	0.0114				2		0	
526.41	Lead, ICP, Dry ash (ppm)	0407	0.0260	0.0000				1		0	
526.53	Lead, ICP-MS, Microwave (ppm)	0227	0.0295	0.0050				3		0	
526.53	Lead, ICP-MS, Microwave (ppm)	0553	0.0449	0.0029				3		0	
526.53	Lead, ICP-MS, Microwave (ppm)	0918	0.0451	0.0077				3		0	
539.41	Nickel, ICP, Dry ash (ppm)	0171	2.770	0.0800				2		0	
539.41	Nickel, ICP, Dry ash (ppm)	0407	2.797	0.2122				2		0	
539.53	Nickel, ICP-MS, Microwave (ppm)	0553	3.530	0.0200				2		0	
539.53	Nickel, ICP-MS, Microwave (ppm)	0918	3.792	0.0581				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, 5 = A reporting limit and 4 = zeros submitted as values. Robust statistics not used if < 6 labs reporting, in the case of 4 or 5 labs reporting Means and SD's may be reported based on Raw Data with obvious blunders removed (Mandel h and k exclusions apply; Grey). Flag 3 indicates not used in statistics.