



**AAFCO**  
Proficiency Testing Program



**Pet Food Ingredient Scheme**

**Corn**

**Test Material Code # 202043**

**Method Proficiency Testing Report**

**# Labs Reporting: 62**

**# Methods Reported 220**

**Issue Date : 09/30/2020**

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 (%)	0504	10.55	0.5100				3			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0027	11.01	0.0380				3			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0309	11.42	0.2400				3			0
001.03	Loss on Drying, Low temp. methods (%)	2124	10.93	0.2800				1			0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0034	10.53	0.2100	11.06	0.1659	0.1153	19	-3.25	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	1022	10.70	0.0188	11.06	0.1659	0.1153	19	-2.19	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0171	10.90	0.0600	11.06	0.1659	0.1153	19	-0.99	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2187	10.91	0.0500	11.06	0.1659	0.1153	19	-0.96	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	1021	10.95	0.0900	11.06	0.1659	0.1153	19	-0.72	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2156	10.96	0.3200	11.06	0.1659	0.1153	19	-0.63	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2252	10.97	0.3400	11.06	0.1659	0.1153	19	-0.57	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0407	11.05	0.1411	11.06	0.1659	0.1153	19	-0.08	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0074	11.07	0.1800	11.06	0.1659	0.1153	19	0.03	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	1024	11.09	0.0200	11.06	0.1659	0.1153	19	0.15	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0876	11.10	0.0000	11.06	0.1659	0.1153	19	0.22	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2219	11.11	0.0000	11.06	0.1659	0.1153	19	0.28	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0098	11.17	0.1100	11.06	0.1659	0.1153	19	0.61	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2220	11.17	0.0100	11.06	0.1659	0.1153	19	0.61	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2293	11.18	0.2300	11.06	0.1659	0.1153	19	0.67	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	1023	11.21	0.0500	11.06	0.1659	0.1153	19	0.85	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0065	11.22	0.0900	11.06	0.1659	0.1153	19	0.91	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0003	11.27	0.0700	11.06	0.1659	0.1153	19	1.21	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0650	11.30	0.2000	11.06	0.1659	0.1153	19	1.42	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0845	9.635	0.5700	11.06	0.1659	0.1153	19	-8.61	6%	1
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0027	16.67	0.0015	11.06	0.1659	0.1153	19	33.79	25%	2
001.99	Loss on Drying, Miscellaneous (%)	2155	10.02	0.5600	10.73	0.5524	0.1829	7	-1.29	3%	0
001.99	Loss on Drying, Miscellaneous (%)	0889	10.37	0.0700	10.73	0.5524	0.1829	7	-0.67	2%	0
001.99	Loss on Drying, Miscellaneous (%)	0510	10.50	0.2000	10.73	0.5524	0.1829	7	-0.42	1%	0
001.99	Loss on Drying, Miscellaneous (%)	2115	10.61	0.0200	10.73	0.5524	0.1829	7	-0.22	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0676	11.14	0.0300	10.73	0.5524	0.1829	7	0.73	2%	0
001.99	Loss on Drying, Miscellaneous (%)	0656	11.21	0.0000	10.73	0.5524	0.1829	7	0.86	2%	0
001.99	Loss on Drying, Miscellaneous (%)	2242	11.30	0.4000	10.73	0.5524	0.1829	7	1.02	3%	0
002.00	Protein, Crude, Crude (%)	0845	7.725	0.2300				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			
002.01	Protein, Crude, Auto Kjel-Foss (%)	0870	7.022	0.0770	7.235	0.1896	0.1793	4			0
002.01	Protein, Crude, Auto Kjel-Foss (%)	0164	7.190	0.3800	7.235	0.1896	0.1793	4			0
002.01	Protein, Crude, Auto Kjel-Foss (%)	0656	7.250	0.0000	7.235	0.1896	0.1793	4			0
002.01	Protein, Crude, Auto Kjel-Foss (%)	0889	7.480	0.2600	7.235	0.1896	0.1793	4			0
002.04	Protein, Crude, Copper Catalyst (%)	0504	6.995	0.0300				2			0
002.04	Protein, Crude, Copper Catalyst (%)	2122	7.050	0.0000				2			0
002.05	Protein, Crude, Copper, Boric Acid (%)	2115	7.075	0.0100				1			0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0529	5.920	0.2800	7.034	0.1791	0.1062	49	-6.22	8%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2162	6.120	0.2400	7.034	0.1791	0.1062	49	-5.10	6%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0510	6.750	0.1000	7.034	0.1791	0.1062	49	-1.58	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2320	6.785	0.0900	7.034	0.1791	0.1062	49	-1.39	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0001	6.821	0.0090	7.034	0.1791	0.1062	49	-1.19	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0010	6.850	0.1000	7.034	0.1791	0.1062	49	-1.03	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2169	6.850	0.1000	7.034	0.1791	0.1062	49	-1.03	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0650	6.890	0.3600	7.034	0.1791	0.1062	49	-0.80	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0309	6.893	0.0413	7.034	0.1791	0.1062	49	-0.79	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0870	6.894	0.1450	7.034	0.1791	0.1062	49	-0.78	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0202	6.905	0.0500	7.034	0.1791	0.1062	49	-0.72	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0171	6.920	0.0200	7.034	0.1791	0.1062	49	-0.64	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2124	6.930	0.0000	7.034	0.1791	0.1062	49	-0.58	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2184	6.930	0.0000	7.034	0.1791	0.1062	49	-0.58	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0876	6.950	0.1000	7.034	0.1791	0.1062	49	-0.47	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	1024	6.950	0.0800	7.034	0.1791	0.1062	49	-0.47	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0034	6.958	0.1110	7.034	0.1791	0.1062	49	-0.43	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2219	6.960	0.0200	7.034	0.1791	0.1062	49	-0.41	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0164	6.970	0.0600	7.034	0.1791	0.1062	49	-0.36	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2232	6.970	0.0400	7.034	0.1791	0.1062	49	-0.36	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2252	6.970	0.0018	7.034	0.1791	0.1062	49	-0.36	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0065	6.974	0.0067	7.034	0.1791	0.1062	49	-0.33	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2293	6.995	0.1100	7.034	0.1791	0.1062	49	-0.22	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2220	7.015	0.0500	7.034	0.1791	0.1062	49	-0.11	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	1023	7.017	0.0684	7.034	0.1791	0.1062	49	-0.09	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0242	7.025	0.0700	7.034	0.1791	0.1062	49	-0.05	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0417	7.025	0.4700	7.034	0.1791	0.1062	49	-0.05	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0676	7.030	0.0600	7.034	0.1791	0.1062	49	-0.02	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2156	7.030	0.0400	7.034	0.1791	0.1062	49	-0.02	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	1022	7.039	0.0121	7.034	0.1791	0.1062	49	0.03	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0027	7.057	0.1120	7.034	0.1791	0.1062	49	0.13	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	1021	7.064	0.0106	7.034	0.1791	0.1062	49	0.17	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0098	7.105	0.3300	7.034	0.1791	0.1062	49	0.40	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0074	7.120	0.1400	7.034	0.1791	0.1062	49	0.48	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0407	7.139	0.1010	7.034	0.1791	0.1062	49	0.58	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 (%)	0208	7.160	0.1400	7.034	0.1791	0.1062	49	0.70	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0003	7.166	0.2420	7.034	0.1791	0.1062	49	0.74	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2089	7.170	0.1000	7.034	0.1791	0.1062	49	0.76	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0553	7.185	0.4700	7.034	0.1791	0.1062	49	0.84	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0656	7.210	0.0000	7.034	0.1791	0.1062	49	0.98	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2312	7.210	0.0200	7.034	0.1791	0.1062	49	0.98	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2187	7.220	0.2000	7.034	0.1791	0.1062	49	1.04	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2242	7.235	0.0500	7.034	0.1791	0.1062	49	1.12	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2207	7.265	0.0300	7.034	0.1791	0.1062	49	1.29	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0504	7.310	0.1000	7.034	0.1791	0.1062	49	1.54	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2033	7.325	0.1100	7.034	0.1791	0.1062	49	1.63	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2303	7.429	0.0900	7.034	0.1791	0.1062	49	2.21	3%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0554	7.435	0.0300	7.034	0.1791	0.1062	49	2.24	3%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2115	7.645	0.0930	7.034	0.1791	0.1062	49	3.41	4%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2155	7.447	0.5470	7.034	0.1791	0.1062	49	2.30	3%	1
002.08	Protein, Crude, Cu/Ti (%)	0098	7.110	0.0400				1			0
002.11	Protein, Crude, NIR (%)	0553	11.04	0.0600				1			0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	1023	3.670	0.0200	3.830	0.1082	0.1022	9	-1.48	2%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2115	3.690	0.0200	3.830	0.1082	0.1022	9	-1.29	2%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	1021	3.820	0.1400	3.830	0.1082	0.1022	9	-0.09	0%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	0309	3.823	0.1386	3.830	0.1082	0.1022	9	-0.06	0%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2220	3.845	0.1900	3.830	0.1082	0.1022	9	0.14	0%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	1022	3.852	0.0313	3.830	0.1082	0.1022	9	0.20	0%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2293	3.905	0.2100	3.830	0.1082	0.1022	9	0.69	1%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2219	3.925	0.0900	3.830	0.1082	0.1022	9	0.88	1%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2156	3.940	0.0800	3.830	0.1082	0.1022	9	1.02	1%	0
003.01	Fat, Crude, Diethyl Ether Ext (13th ed.), Indirect (%)	0504	3.275	0.8100				1			0
003.06	Fat, Crude, Pet Ether (%)	2320	3.730	0.0000	3.921	0.2095	0.0275	4			0
003.06	Fat, Crude, Pet Ether (%)	0164	3.750	0.0800	3.921	0.2095	0.0275	4			0
003.06	Fat, Crude, Pet Ether (%)	0656	4.100	0.0000	3.921	0.2095	0.0275	4			0
003.06	Fat, Crude, Pet Ether (%)	2033	4.105	0.0300	3.921	0.2095	0.0275	4			0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0027	3.752	0.0350	3.983	0.2779	0.0758	4			0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0098	3.760	0.0600	3.983	0.2779	0.0758	4			0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0510	4.100	0.2000	3.983	0.2779	0.0758	4			0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0870	4.322	0.0080	3.983	0.2779	0.0758	4			0
003.10	Fat, Crude, Randall, Pet Ether (%)	2232	3.350	0.0200	3.760	0.2282	0.1454	9	-1.80	5%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2184	3.535	0.0500	3.760	0.2282	0.1454	9	-0.99	3%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2162	3.665	0.0100	3.760	0.2282	0.1454	9	-0.42	1%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0870	3.702	0.0889	3.760	0.2282	0.1454	9	-0.25	1%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0098	3.830	0.3200	3.760	0.2282	0.1454	9	0.31	1%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0242	3.860	0.1200	3.760	0.2282	0.1454	9	0.44	1%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0889	3.870	0.1200	3.760	0.2282	0.1454	9	0.48	1%	0

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003.10	Fat, Crude, Randall, Pet Ether (%)	0553	3.880	0.4400	3.760	0.2282	0.1454	9	0.53	2%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0676	4.080	0.1400	3.760	0.2282	0.1454	9	1.40	4%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2155	3.844	1.177	3.760	0.2282	0.1454	9	0.37	1%	1
003.11	Fat, Crude, NIR (%)	0553	3.230	0.2200				1			0
003.12	Fat, Crude, Hexane Ext (%)	0171	3.850	0.0200				1			0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	0098	3.690	0.0000				3			0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	0870	3.978	0.0974				3			0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	2089	4.460	1.140				3			0
003.14	Fat, Crude, Ankom (%)	0202	3.425	0.0500	3.726	0.2102	0.1765	10	-1.43	4%	0
003.14	Fat, Crude, Ankom (%)	2115	3.570	0.1400	3.726	0.2102	0.1765	10	-0.74	2%	0
003.14	Fat, Crude, Ankom (%)	0511	3.660	0.1200	3.726	0.2102	0.1765	10	-0.31	1%	0
003.14	Fat, Crude, Ankom (%)	2207	3.670	0.1000	3.726	0.2102	0.1765	10	-0.27	1%	0
003.14	Fat, Crude, Ankom (%)	0529	3.675	0.0500	3.726	0.2102	0.1765	10	-0.24	1%	0
003.14	Fat, Crude, Ankom (%)	0554	3.700	0.0400	3.726	0.2102	0.1765	10	-0.12	0%	0
003.14	Fat, Crude, Ankom (%)	0876	3.700	0.2000	3.726	0.2102	0.1765	10	-0.12	0%	0
003.14	Fat, Crude, Ankom (%)	0034	3.815	0.1100	3.726	0.2102	0.1765	10	0.42	1%	0
003.14	Fat, Crude, Ankom (%)	0407	4.001	0.2947	3.726	0.2102	0.1765	10	1.31	4%	0
003.14	Fat, Crude, Ankom (%)	0003	4.160	0.6600	3.726	0.2102	0.1765	10	2.07	6%	0
004.00	Fiber, Crude, Asbestos Free (%)	0208	1.175	0.0700	1.878	0.2943	0.1387	7	-2.39	19%	0
004.00	Fiber, Crude, Asbestos Free (%)	0504	1.760	0.3600	1.878	0.2943	0.1387	7	-0.40	3%	0
004.00	Fiber, Crude, Asbestos Free (%)	0309	1.839	0.0006	1.878	0.2943	0.1387	7	-0.13	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	2320	1.845	0.0900	1.878	0.2943	0.1387	7	-0.11	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	0164	1.950	0.1000	1.878	0.2943	0.1387	7	0.25	2%	0
004.00	Fiber, Crude, Asbestos Free (%)	0171	1.995	0.2500	1.878	0.2943	0.1387	7	0.40	3%	0
004.00	Fiber, Crude, Asbestos Free (%)	2312	2.350	0.1000	1.878	0.2943	0.1387	7	1.60	13%	0
004.03	Fiber, Crude, Fritted Glass (%)	2089	1.740	0.0000				1			0
004.06	Fiber, Crude, Fibertec (%)	2115	1.930	0.0600	2.504	0.7286	0.0923	4			0
004.06	Fiber, Crude, Fibertec (%)	0027	2.046	0.0290	2.504	0.7286	0.0923	4			0
004.06	Fiber, Crude, Fibertec (%)	0676	2.510	0.1600	2.504	0.7286	0.0923	4			0
004.06	Fiber, Crude, Fibertec (%)	0845	3.530	0.1200	2.504	0.7286	0.0923	4			0
004.07	Fiber, Crude, ANKOM (%)	0242	1.180	0.0800	1.906	0.4761	0.1421	18	-1.52	19%	0
004.07	Fiber, Crude, ANKOM (%)	0202	1.250	0.1600	1.906	0.4761	0.1421	18	-1.38	17%	0
004.07	Fiber, Crude, ANKOM (%)	0510	1.400	0.0000	1.906	0.4761	0.1421	18	-1.06	13%	0
004.07	Fiber, Crude, ANKOM (%)	2115	1.535	0.0300	1.906	0.4761	0.1421	18	-0.78	10%	0
004.07	Fiber, Crude, ANKOM (%)	0042	1.670	0.0400	1.906	0.4761	0.1421	18	-0.50	6%	0
004.07	Fiber, Crude, ANKOM (%)	0407	1.694	0.2221	1.906	0.4761	0.1421	18	-0.45	6%	0
004.07	Fiber, Crude, ANKOM (%)	0656	1.720	0.0000	1.906	0.4761	0.1421	18	-0.39	5%	0
004.07	Fiber, Crude, ANKOM (%)	0511	1.750	0.1000	1.906	0.4761	0.1421	18	-0.33	4%	0
004.07	Fiber, Crude, ANKOM (%)	2033	1.850	0.1000	1.906	0.4761	0.1421	18	-0.12	1%	0
004.07	Fiber, Crude, ANKOM (%)	0553	1.960	0.1200	1.906	0.4761	0.1421	18	0.11	1%	0
004.07	Fiber, Crude, ANKOM (%)	0876	2.050	0.3000	1.906	0.4761	0.1421	18	0.30	4%	0
004.07	Fiber, Crude, ANKOM (%)	0870	2.055	0.0059	1.906	0.4761	0.1421	18	0.31	4%	0



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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
004.07	Fiber, Crude, ANKOM (%)	0034	2.095	0.2500	1.906	0.4761	0.1421	18	0.40	5%	0
004.07	Fiber, Crude, ANKOM (%)	0554	2.155	0.0100	1.906	0.4761	0.1421	18	0.52	7%	0
004.07	Fiber, Crude, ANKOM (%)	0529	2.345	0.0300	1.906	0.4761	0.1421	18	0.92	12%	0
004.07	Fiber, Crude, ANKOM (%)	2124	2.505	0.2700	1.906	0.4761	0.1421	18	1.26	16%	0
004.07	Fiber, Crude, ANKOM (%)	2207	2.535	0.3300	1.906	0.4761	0.1421	18	1.32	17%	0
004.07	Fiber, Crude, ANKOM (%)	0074	2.545	0.5100	1.906	0.4761	0.1421	18	1.34	17%	0
004.11	Fiber, Crude, NIR (%)	0553	2.265	0.0300				1			0
005.00	Ash, 2h @ 600°C (%)	2089	0.9400	0.0200	1.247	0.0805	0.0452	40	-3.82	12%	0
005.00	Ash, 2h @ 600°C (%)	0656	1.030	0.0000	1.247	0.0805	0.0452	40	-2.70	9%	0
005.00	Ash, 2h @ 600°C (%)	0407	1.064	0.0194	1.247	0.0805	0.0452	40	-2.28	7%	0
005.00	Ash, 2h @ 600°C (%)	2242	1.135	0.0900	1.247	0.0805	0.0452	40	-1.39	4%	0
005.00	Ash, 2h @ 600°C (%)	2162	1.150	0.0200	1.247	0.0805	0.0452	40	-1.21	4%	0
005.00	Ash, 2h @ 600°C (%)	2124	1.155	0.0300	1.247	0.0805	0.0452	40	-1.15	4%	0
005.00	Ash, 2h @ 600°C (%)	2312	1.165	0.0500	1.247	0.0805	0.0452	40	-1.02	3%	0
005.00	Ash, 2h @ 600°C (%)	2220	1.180	0.0400	1.247	0.0805	0.0452	40	-0.83	3%	0
005.00	Ash, 2h @ 600°C (%)	0845	1.200	0.0200	1.247	0.0805	0.0452	40	-0.59	2%	0
005.00	Ash, 2h @ 600°C (%)	2252	1.200	0.0400	1.247	0.0805	0.0452	40	-0.59	2%	0
005.00	Ash, 2h @ 600°C (%)	0650	1.205	0.0700	1.247	0.0805	0.0452	40	-0.52	2%	0
005.00	Ash, 2h @ 600°C (%)	0001	1.205	0.0610	1.247	0.0805	0.0452	40	-0.52	2%	0
005.00	Ash, 2h @ 600°C (%)	0511	1.220	0.0800	1.247	0.0805	0.0452	40	-0.34	1%	0
005.00	Ash, 2h @ 600°C (%)	2232	1.220	0.1200	1.247	0.0805	0.0452	40	-0.34	1%	0
005.00	Ash, 2h @ 600°C (%)	1021	1.225	0.0100	1.247	0.0805	0.0452	40	-0.28	1%	0
005.00	Ash, 2h @ 600°C (%)	2219	1.225	0.0500	1.247	0.0805	0.0452	40	-0.28	1%	0
005.00	Ash, 2h @ 600°C (%)	0309	1.230	0.0150	1.247	0.0805	0.0452	40	-0.22	1%	0
005.00	Ash, 2h @ 600°C (%)	0098	1.230	0.0200	1.247	0.0805	0.0452	40	-0.21	1%	0
005.00	Ash, 2h @ 600°C (%)	2320	1.235	0.0100	1.247	0.0805	0.0452	40	-0.15	0%	0
005.00	Ash, 2h @ 600°C (%)	0164	1.240	0.0600	1.247	0.0805	0.0452	40	-0.09	0%	0
005.00	Ash, 2h @ 600°C (%)	0171	1.250	0.0200	1.247	0.0805	0.0452	40	0.03	0%	0
005.00	Ash, 2h @ 600°C (%)	0504	1.250	0.0800	1.247	0.0805	0.0452	40	0.03	0%	0
005.00	Ash, 2h @ 600°C (%)	0208	1.255	0.0900	1.247	0.0805	0.0452	40	0.10	0%	0
005.00	Ash, 2h @ 600°C (%)	2156	1.260	0.1800	1.247	0.0805	0.0452	40	0.16	1%	0
005.00	Ash, 2h @ 600°C (%)	2293	1.260	0.0600	1.247	0.0805	0.0452	40	0.16	1%	0
005.00	Ash, 2h @ 600°C (%)	0870	1.273	0.0212	1.247	0.0805	0.0452	40	0.32	1%	0
005.00	Ash, 2h @ 600°C (%)	0510	1.280	0.0800	1.247	0.0805	0.0452	40	0.41	1%	0
005.00	Ash, 2h @ 600°C (%)	1023	1.280	0.0200	1.247	0.0805	0.0452	40	0.41	1%	0
005.00	Ash, 2h @ 600°C (%)	2184	1.290	0.0400	1.247	0.0805	0.0452	40	0.53	2%	0
005.00	Ash, 2h @ 600°C (%)	2115	1.295	0.0100	1.247	0.0805	0.0452	40	0.59	2%	0
005.00	Ash, 2h @ 600°C (%)	0876	1.300	0.0000	1.247	0.0805	0.0452	40	0.66	2%	0
005.00	Ash, 2h @ 600°C (%)	2033	1.300	0.0000	1.247	0.0805	0.0452	40	0.66	2%	0
005.00	Ash, 2h @ 600°C (%)	0027	1.320	0.0370	1.247	0.0805	0.0452	40	0.90	3%	0
005.00	Ash, 2h @ 600°C (%)	1022	1.330	0.0040	1.247	0.0805	0.0452	40	1.03	3%	0
005.00	Ash, 2h @ 600°C (%)	2207	1.330	0.0200	1.247	0.0805	0.0452	40	1.03	3%	0

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005.00	Ash, 2h @ 600°C (%)	1024	1.345	0.0100	1.247	0.0805	0.0452	40	1.21	4%	0
005.00	Ash, 2h @ 600°C (%)	0242	1.380	0.0000	1.247	0.0805	0.0452	40	1.65	5%	0
005.00	Ash, 2h @ 600°C (%)	0529	1.400	0.1000	1.247	0.0805	0.0452	40	1.90	6%	0
005.00	Ash, 2h @ 600°C (%)	0042	1.430	0.1800	1.247	0.0805	0.0452	40	2.27	7%	0
005.00	Ash, 2h @ 600°C (%)	0554	1.465	0.0300	1.247	0.0805	0.0452	40	2.70	9%	0
005.00	Ash, 2h @ 600°C (%)	0417	9.795	0.5900	1.247	0.0805	0.0452	40	106.15	343%	2
005.03	Ash, Microwave furnace (%)	2187	1.180	0.0800				1			0
005.05	Ash, 3h @ 550°C (%)	0003	1.295	0.0100				3			0
005.05	Ash, 3h @ 550°C (%)	0889	1.350	0.2000				3			0
005.05	Ash, 3h @ 550°C (%)	0034	4.162	0.0500				3			0
005.05	Ash, 3h @ 550°C (%)	0065	2.558	2.503				3			1
005.99	Ash, Miscellaneous (%)	0676	1.085	0.0900				3			0
005.99	Ash, Miscellaneous (%)	0202	1.135	0.0700				3			0
005.99	Ash, Miscellaneous (%)	2169	1.500	0.0000				3			0
006.00	Total Sugars, As sucrose (%)	0407	1.751	0.2500				1			0
008.02	Fiber, Acid Detergent, Crucible (%)	0676	2.480	0.1000				3			0
008.02	Fiber, Acid Detergent, Crucible (%)	0309	2.485	0.0244				3			0
008.02	Fiber, Acid Detergent, Crucible (%)	0504	2.830	0.0000				3			0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0042	2.000	0.0600	2.875	0.5504	0.1408	8	-1.59	15%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0889	2.630	0.0600	2.875	0.5504	0.1408	8	-0.44	4%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0511	2.650	0.1000	2.875	0.5504	0.1408	8	-0.41	4%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0001	2.749	0.2610	2.875	0.5504	0.1408	8	-0.23	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0656	2.920	0.0000	2.875	0.5504	0.1408	8	0.08	1%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0870	3.005	0.1849	2.875	0.5504	0.1408	8	0.24	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0407	3.345	0.1608	2.875	0.5504	0.1408	8	0.85	8%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0164	3.650	0.3000	2.875	0.5504	0.1408	8	1.41	13%	0
009.04	Fiber, Neutral Detergent, Neutral Det-No ENZ Pretreat (%)	0504	7.460	0.2600				1			0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat (%)	0309	7.172	0.0666				2			0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat (%)	0676	11.30	0.8000				2			0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0656	7.500	0.0000	8.196	0.7064	0.0764	6	-0.99	4%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0870	7.632	0.1157	8.196	0.7064	0.0764	6	-0.80	3%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0407	7.934	0.1229	8.196	0.7064	0.0764	6	-0.37	2%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0042	8.320	0.2200	8.196	0.7064	0.0764	6	0.18	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0164	8.700	0.0000	8.196	0.7064	0.0764	6	0.71	3%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0889	9.090	0.0000	8.196	0.7064	0.0764	6	1.27	5%	0
010.99	Moisture, Miscellaneous (%)	2169	10.15	0.1000				2			0
010.99	Moisture, Miscellaneous (%)	2089	10.61	0.0600				2			0
011.01	Loss on Drying, 135°C 2hr (%)	2207	9.460	0.3400	11.65	0.4143	0.0806	19	-5.29	9%	0
011.01	Loss on Drying, 135°C 2hr (%)	0554	10.84	0.0200	11.65	0.4143	0.0806	19	-1.95	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0309	11.17	0.0300	11.65	0.4143	0.0806	19	-1.17	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	2312	11.28	0.0100	11.65	0.4143	0.0806	19	-0.90	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	2232	11.35	0.0200	11.65	0.4143	0.0806	19	-0.72	1%	0

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011.01	Loss on Drying, 135°C 2hr (%)	0511	11.39	0.1100	11.65	0.4143	0.0806	19	-0.64	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0208	11.45	0.3000	11.65	0.4143	0.0806	19	-0.48	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0164	11.62	0.0100	11.65	0.4143	0.0806	19	-0.08	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0202	11.69	0.0300	11.65	0.4143	0.0806	19	0.09	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0171	11.78	0.0300	11.65	0.4143	0.0806	19	0.30	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0870	11.78	0.1190	11.65	0.4143	0.0806	19	0.33	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0553	11.81	0.0600	11.65	0.4143	0.0806	19	0.39	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	2184	11.88	0.1600	11.65	0.4143	0.0806	19	0.56	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	2162	11.89	0.0100	11.65	0.4143	0.0806	19	0.57	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0051	11.89	0.0000	11.65	0.4143	0.0806	19	0.58	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0242	11.91	0.0900	11.65	0.4143	0.0806	19	0.62	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0160	12.03	0.1600	11.65	0.4143	0.0806	19	0.92	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0407	12.13	0.0321	11.65	0.4143	0.0806	19	1.16	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0510	12.30	0.0000	11.65	0.4143	0.0806	19	1.57	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0098	11.36	0.5200	11.65	0.4143	0.0806	19	-0.70	1%	1
011.02	Loss on Drying, 130°C for 2 hours (%)	2320	11.67	0.0700				3			0
011.02	Loss on Drying, 130°C for 2 hours (%)	2033	11.78	0.0100				3			0
011.02	Loss on Drying, 130°C for 2 hours (%)	0529	11.82	0.0100				3			0
011.02	Loss on Drying, 130°C for 2 hours (%)	2083	10.78	0.3600				3			1
011.02	Loss on Drying, 130°C for 2 hours (%)	0417	1.185	0.1300				3			2
011.99	Loss on Drying, High Temp. Methods Miscellaneous (%)	2303	11.58	0.1400				1			0
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	2242	61.35	2.300				3			0
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	0870	61.55	3.281				3			0
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	0676	63.93	0.0700				3			0
012.03	Starch, Enzymatic-Colorimetric Method, Miscellaneous (%)	0407	56.08	2.053				2			0
012.03	Starch, Enzymatic-Colorimetric Method, Miscellaneous (%)	0889	72.50	0.5800				2			0
012.04	Starch, Enzymatic-Enzyme Membrane Technology (YSI) (%)	0510	61.75	0.9000				1			0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2252	3.905	0.0100	4.315	0.2698	0.2359	5			0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0309	4.215	0.2594	4.315	0.2698	0.2359	5			0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2187	4.360	0.4800	4.315	0.2698	0.2359	5			0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0202	4.510	0.1800	4.315	0.2698	0.2359	5			0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0242	4.585	0.2500	4.315	0.2698	0.2359	5			0
013.02	Fat, Acid Pretreat, Mojonniier, Bak Ext (%)	0065	3.788	0.0433	4.372	0.4171	0.1149	12	-1.40	7%	0
013.02	Fat, Acid Pretreat, Mojonniier, Bak Ext (%)	2312	3.915	0.0300	4.372	0.4171	0.1149	12	-1.10	5%	0
013.02	Fat, Acid Pretreat, Mojonniier, Bak Ext (%)	0870	4.101	0.0021	4.372	0.4171	0.1149	12	-0.65	3%	0
013.02	Fat, Acid Pretreat, Mojonniier, Bak Ext (%)	0650	4.145	0.0900	4.372	0.4171	0.1149	12	-0.55	3%	0
013.02	Fat, Acid Pretreat, Mojonniier, Bak Ext (%)	0208	4.265	0.1300	4.372	0.4171	0.1149	12	-0.26	1%	0
013.02	Fat, Acid Pretreat, Mojonniier, Bak Ext (%)	0098	4.275	0.0300	4.372	0.4171	0.1149	12	-0.23	1%	0
013.02	Fat, Acid Pretreat, Mojonniier, Bak Ext (%)	0553	4.310	0.3600	4.372	0.4171	0.1149	12	-0.15	1%	0
013.02	Fat, Acid Pretreat, Mojonniier, Bak Ext (%)	0171	4.585	0.1100	4.372	0.4171	0.1149	12	0.51	2%	0
013.02	Fat, Acid Pretreat, Mojonniier, Bak Ext (%)	0001	4.586	0.2018	4.372	0.4171	0.1149	12	0.51	2%	0
013.02	Fat, Acid Pretreat, Mojonniier, Bak Ext (%)	0164	4.650	0.1000	4.372	0.4171	0.1149	12	0.67	3%	0

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013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0676	4.850	0.1000	4.372	0.4171	0.1149	12	1.15	5%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0407	5.024	0.1820	4.372	0.4171	0.1149	12	1.56	7%	0
013.10	Fat, Acid Pretreat, Soxtec-Acid Hydrolysis (%)	2124	4.200	0.1400				2			0
013.10	Fat, Acid Pretreat, Soxtec-Acid Hydrolysis (%)	0845	4.335	0.0700				2			0
013.13	Fat, Acid Pretreat, Ankom- Acid Hydrolysis (%)	0042	3.520	0.3000				2			0
013.13	Fat, Acid Pretreat, Ankom- Acid Hydrolysis (%)	0407	5.243	0.0134				2			0
015.41	Aluminum, ICP, Dry ash (ppm)	0407	1.204	0.3130				2			0
015.41	Aluminum, ICP, Dry ash (ppm)	0171	2.645	0.1100				2			0
015.43	Aluminum, ICP, Microwave (ppm)	0407	2.029	0.0017				1			0
017.41	Boron, ICP, Dry ash (ppm)	0407	5.190	0.6325				1			0
017.43	Boron, ICP, Microwave (ppm)	0407	2.246	0.1629				2			0
017.43	Boron, ICP, Microwave (ppm)	0510	3.000	0.0000				2			0
017.53	Boron, ICP-MS, Microwave (ppm)	0553	3.530	0.0200				1			0
019.41	Calcium, ICP, Dry ash (%)	0208	0.0050	0.0000	0.0096	0.0038	0.0004	10	-1.22	24%	0
019.41	Calcium, ICP, Dry ash (%)	0164	0.0055	0.0010	0.0096	0.0038	0.0004	10	-1.09	21%	0
019.41	Calcium, ICP, Dry ash (%)	0098	0.0063	0.0003	0.0096	0.0038	0.0004	10	-0.89	18%	0
019.41	Calcium, ICP, Dry ash (%)	0051	0.0069	0.0012	0.0096	0.0038	0.0004	10	-0.72	14%	0
019.41	Calcium, ICP, Dry ash (%)	0171	0.0100	0.0000	0.0096	0.0038	0.0004	10	0.09	2%	0
019.41	Calcium, ICP, Dry ash (%)	0407	0.0118	0.0015	0.0096	0.0038	0.0004	10	0.55	11%	0
019.41	Calcium, ICP, Dry ash (%)	1021	0.0120	0.0000	0.0096	0.0038	0.0004	10	0.62	12%	0
019.41	Calcium, ICP, Dry ash (%)	1022	0.0130	0.0000	0.0096	0.0038	0.0004	10	0.88	17%	0
019.41	Calcium, ICP, Dry ash (%)	1023	0.0130	0.0000	0.0096	0.0038	0.0004	10	0.88	17%	0
019.41	Calcium, ICP, Dry ash (%)	1024	0.0130	0.0000	0.0096	0.0038	0.0004	10	0.88	17%	0
019.42	Calcium, ICP, Open vessel (%)	0870	0.0072	0.0002				1			0
019.43	Calcium, ICP, Microwave (%)	0098	0.0062	0.0000	0.0130	0.0094	0.0030	8	-0.72	26%	0
019.43	Calcium, ICP, Microwave (%)	0407	0.0066	0.0001	0.0130	0.0094	0.0030	8	-0.69	25%	0
019.43	Calcium, ICP, Microwave (%)	0870	0.0076	0.0005	0.0130	0.0094	0.0030	8	-0.58	21%	0
019.43	Calcium, ICP, Microwave (%)	0510	0.0100	0.0000	0.0130	0.0094	0.0030	8	-0.32	11%	0
019.43	Calcium, ICP, Microwave (%)	2124	0.0100	0.0000	0.0130	0.0094	0.0030	8	-0.32	11%	0
019.43	Calcium, ICP, Microwave (%)	0042	0.0115	0.0030	0.0130	0.0094	0.0030	8	-0.16	6%	0
019.43	Calcium, ICP, Microwave (%)	0202	0.0250	0.0100	0.0130	0.0094	0.0030	8	1.28	46%	0
019.43	Calcium, ICP, Microwave (%)	2089	0.0450	0.0100	0.0130	0.0094	0.0030	8	3.41	123%	0
019.44	Calcium, ICP, Dry ash (%)	2232	0.0020	0.0000	0.0100	0.0000	0.0000	6	0.00	40%	0
019.44	Calcium, ICP, Dry ash (%)	2156	0.0100	0.0000	0.0100	0.0000	0.0000	6	0.00	0%	0
019.44	Calcium, ICP, Dry ash (%)	2219	0.0100	0.0000	0.0100	0.0000	0.0000	6	0.00	0%	0
019.44	Calcium, ICP, Dry ash (%)	2220	0.0100	0.0000	0.0100	0.0000	0.0000	6	0.00	0%	0
019.44	Calcium, ICP, Dry ash (%)	2252	0.0100	0.0000	0.0100	0.0000	0.0000	6	0.00	0%	0
019.44	Calcium, ICP, Dry ash (%)	2293	0.0100	0.0000	0.0100	0.0000	0.0000	6	0.00	0%	0
019.44	Calcium, ICP, Dry ash (%)	0065	0.0080	0.0020	0.0100	0.0000	0.0000	6	0.00	10%	1
019.53	Calcium, ICP-MS, Microwave (%)	0553	0.0050	0.0000				1			0
019.99	Calcium, Miscellaneous (%)	0676	0.0000	0.0000				0			4
019.99	Calcium, Miscellaneous (%)	0242	< 0.01					0			5



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			
021.31	Cobalt, AAS, Dry ash (ppm)	0164	< 0.75					0		5	
021.41	Cobalt, ICP, Dry ash (ppm)	0171	0.0250	0.0000				2		0	
021.41	Cobalt, ICP, Dry ash (ppm)	0407	0.0890	0.0053				2		0	
021.43	Cobalt, ICP, Microwave (ppm)	0510	0.0400	0.0200				2		0	
021.43	Cobalt, ICP, Microwave (ppm)	0407	0.1298	0.0020				2		0	
021.53	Cobalt, ICP-MS, Microwave (ppm)	0553	22.52	44.96				1		0	
022.31	Copper, AAS, Dry ash (ppm)	0529	0.1000	0.0000				2		0	
022.31	Copper, AAS, Dry ash (ppm)	2115	2.235	0.2300				2		0	
022.31	Copper, AAS, Dry ash (ppm)	0656	< 10.1					2		5	
022.33	Copper, AAS, Microwave (ppm)	0010	1.545	0.1700				1		0	
022.41	Copper, ICP, Dry ash (ppm)	0098	1.615	0.2500	1.792	0.1965	0.1972	6	-0.90	5%	0
022.41	Copper, ICP, Dry ash (ppm)	0407	1.624	0.5632	1.792	0.1965	0.1972	6	-0.86	5%	0
022.41	Copper, ICP, Dry ash (ppm)	0164	1.700	0.0000	1.792	0.1965	0.1972	6	-0.47	3%	0
022.41	Copper, ICP, Dry ash (ppm)	0171	1.830	0.2000	1.792	0.1965	0.1972	6	0.19	1%	0
022.41	Copper, ICP, Dry ash (ppm)	0051	1.985	0.1700	1.792	0.1965	0.1972	6	0.98	5%	0
022.41	Copper, ICP, Dry ash (ppm)	0074	2.000	0.0000	1.792	0.1965	0.1972	6	1.06	6%	0
022.42	Copper, ICP, Open vessel (ppm)	2207	2.000	0.0000				2		0	
022.42	Copper, ICP, Open vessel (ppm)	0870	2.179	0.1260				2		0	
022.43	Copper, ICP, Microwave (ppm)	2114	1.245	0.0230	2.396	1.264	0.0982	7	-0.91	24%	0
022.43	Copper, ICP, Microwave (ppm)	2124	1.650	0.1000	2.396	1.264	0.0982	7	-0.59	16%	0
022.43	Copper, ICP, Microwave (ppm)	0407	1.683	0.1547	2.396	1.264	0.0982	7	-0.56	15%	0
022.43	Copper, ICP, Microwave (ppm)	0510	2.000	0.0000	2.396	1.264	0.0982	7	-0.31	8%	0
022.43	Copper, ICP, Microwave (ppm)	0202	2.275	0.1900	2.396	1.264	0.0982	7	-0.10	3%	0
022.43	Copper, ICP, Microwave (ppm)	0870	3.892	0.1700	2.396	1.264	0.0982	7	1.18	31%	0
022.43	Copper, ICP, Microwave (ppm)	0042	4.025	0.0500	2.396	1.264	0.0982	7	1.29	34%	0
022.43	Copper, ICP, Microwave (ppm)	2089	15.95	2.820	2.396	1.264	0.0982	7	10.72	283%	1
022.43	Copper, ICP, Microwave (ppm)	0098	< 1.67		2.396	1.264	0.0982	7			5
022.43	Copper, ICP, Microwave (ppm)	2058	< 3.35		2.396	1.264	0.0982	7			5
022.52	Copper, ICP-MS, Open vessel (ppm)	0047	4.930	0.7000				1		0	
022.53	Copper, ICP-MS, Microwave (ppm)	0553	1.595	0.0700				1		0	
022.99	Copper, Miscellaneous (ppm)	0242	1.000	0.0000				1		0	
025.31	Iron, AAS, Dry ash (ppm)	2115	20.57	0.4000				3		0	
025.31	Iron, AAS, Dry ash (ppm)	0656	21.11	0.0000				3		0	
025.31	Iron, AAS, Dry ash (ppm)	0529	27.65	2.300				3		0	
025.41	Iron, ICP, Dry ash (ppm)	0074	19.00	0.0000	19.96	1.136	0.3362	6	-0.84	2%	0
025.41	Iron, ICP, Dry ash (ppm)	0164	19.00	0.0000	19.96	1.136	0.3362	6	-0.84	2%	0
025.41	Iron, ICP, Dry ash (ppm)	0098	19.69	0.0100	19.96	1.136	0.3362	6	-0.24	1%	0
025.41	Iron, ICP, Dry ash (ppm)	0051	20.00	0.0000	19.96	1.136	0.3362	6	0.04	0%	0
025.41	Iron, ICP, Dry ash (ppm)	0171	20.41	0.8500	19.96	1.136	0.3362	6	0.39	1%	0
025.41	Iron, ICP, Dry ash (ppm)	0407	23.76	1.157	19.96	1.136	0.3362	6	3.34	10%	0
025.42	Iron, ICP, Open vessel (ppm)	2207	22.00	0.0000				2		0	
025.42	Iron, ICP, Open vessel (ppm)	0870	29.81	1.380				2		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			
025.43	Iron, ICP, Microwave (ppm)	2058	18.31	1.240	20.81	1.760	1.242	8	-1.42	6%	0
025.43	Iron, ICP, Microwave (ppm)	0510	20.00	0.0000	20.81	1.760	1.242	8	-0.46	2%	0
025.43	Iron, ICP, Microwave (ppm)	0098	20.14	1.030	20.81	1.760	1.242	8	-0.38	2%	0
025.43	Iron, ICP, Microwave (ppm)	0027	20.29	1.197	20.81	1.760	1.242	8	-0.29	1%	0
025.43	Iron, ICP, Microwave (ppm)	2114	20.66	1.001	20.81	1.760	1.242	8	-0.09	0%	0
025.43	Iron, ICP, Microwave (ppm)	2124	21.50	1.000	20.81	1.760	1.242	8	0.39	2%	0
025.43	Iron, ICP, Microwave (ppm)	0407	22.14	1.697	20.81	1.760	1.242	8	0.75	3%	0
025.43	Iron, ICP, Microwave (ppm)	0870	34.09	2.770	20.81	1.760	1.242	8	7.54	32%	0
025.43	Iron, ICP, Microwave (ppm)	2089	115.6	27.79	20.81	1.760	1.242	8	53.87	228%	1
025.52	Iron, ICP-MS, Open vessel (ppm)	0047	28.35	0.3000				1			0
025.53	Iron, ICP-MS, Microwave (ppm)	0553	22.15	0.7000				1			0
025.99	Iron, Miscellaneous (ppm)	0242	18.00	2.000				1			0
027.41	Magnesium, ICP, Dry ash (%)	2232	0.0855	0.0050	0.0940	0.0033	0.0013	11	-2.61	5%	0
027.41	Magnesium, ICP, Dry ash (%)	0098	0.0894	0.0012	0.0940	0.0033	0.0013	11	-1.41	2%	0
027.41	Magnesium, ICP, Dry ash (%)	1021	0.0930	0.0000	0.0940	0.0033	0.0013	11	-0.30	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0051	0.0939	0.0015	0.0940	0.0033	0.0013	11	-0.04	0%	0
027.41	Magnesium, ICP, Dry ash (%)	1022	0.0940	0.0020	0.0940	0.0033	0.0013	11	0.00	0%	0
027.41	Magnesium, ICP, Dry ash (%)	1023	0.0940	0.0000	0.0940	0.0033	0.0013	11	0.00	0%	0
027.41	Magnesium, ICP, Dry ash (%)	1024	0.0940	0.0000	0.0940	0.0033	0.0013	11	0.00	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0208	0.0945	0.0010	0.0940	0.0033	0.0013	11	0.16	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0074	0.0960	0.0000	0.0940	0.0033	0.0013	11	0.62	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0164	0.0980	0.0000	0.0940	0.0033	0.0013	11	1.23	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0171	0.0980	0.0040	0.0940	0.0033	0.0013	11	1.23	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0407	0.0945	0.0115	0.0940	0.0033	0.0013	11	0.14	0%	1
027.42	Magnesium, ICP, Open vessel (%)	0870	0.0942	0.0025				2			0
027.42	Magnesium, ICP, Open vessel (%)	0504	0.0985	0.0090				2			0
027.43	Magnesium, ICP, Microwave (%)	0870	0.0902	0.0047	0.1031	0.0074	0.0043	8	-1.76	6%	0
027.43	Magnesium, ICP, Microwave (%)	0098	0.0992	0.0016	0.1031	0.0074	0.0043	8	-0.54	2%	0
027.43	Magnesium, ICP, Microwave (%)	0510	0.1000	0.0000	0.1031	0.0074	0.0043	8	-0.43	2%	0
027.43	Magnesium, ICP, Microwave (%)	2124	0.1000	0.0000	0.1031	0.0074	0.0043	8	-0.43	2%	0
027.43	Magnesium, ICP, Microwave (%)	0202	0.1050	0.0100	0.1031	0.0074	0.0043	8	0.25	1%	0
027.43	Magnesium, ICP, Microwave (%)	0407	0.1074	0.0093	0.1031	0.0074	0.0043	8	0.57	2%	0
027.43	Magnesium, ICP, Microwave (%)	2089	0.1100	0.0000	0.1031	0.0074	0.0043	8	0.93	3%	0
027.43	Magnesium, ICP, Microwave (%)	0042	0.1115	0.0090	0.1031	0.0074	0.0043	8	1.13	4%	0
027.44	Magnesium, ICP, Dry ash (%)	2219	0.0885	0.0030	0.0916	0.0024	0.0046	6	-1.33	2%	0
027.44	Magnesium, ICP, Dry ash (%)	2252	0.0900	0.0080	0.0916	0.0024	0.0046	6	-0.69	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2156	0.0915	0.0090	0.0916	0.0024	0.0046	6	-0.06	0%	0
027.44	Magnesium, ICP, Dry ash (%)	2293	0.0925	0.0030	0.0916	0.0024	0.0046	6	0.36	0%	0
027.44	Magnesium, ICP, Dry ash (%)	0065	0.0934	0.0007	0.0916	0.0024	0.0046	6	0.72	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2220	0.0940	0.0040	0.0916	0.0024	0.0046	6	1.00	1%	0
027.53	Magnesium, ICP-MS, Microwave (%)	0553	0.0935	0.0030				1			0
027.99	Magnesium, Miscellaneous (%)	0242	0.0900	0.0000				2			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			
027.99	Magnesium, Miscellaneous (%)	0889	0.0900	0.0000				2			0
028.31	Manganese, AAS, Dry ash (ppm)	0529	0.1000	0.0000				3			0
028.31	Manganese, AAS, Dry ash (ppm)	2115	3.625	0.0100				3			0
028.31	Manganese, AAS, Dry ash (ppm)	0656	4.360	0.0000				3			0
028.41	Manganese, ICP, Dry ash (ppm)	0164	3.800	0.0000	3.922	0.0808	0.0320	5			0
028.41	Manganese, ICP, Dry ash (ppm)	0171	3.890	0.0200	3.922	0.0808	0.0320	5			0
028.41	Manganese, ICP, Dry ash (ppm)	0051	3.935	0.1300	3.922	0.0808	0.0320	5			0
028.41	Manganese, ICP, Dry ash (ppm)	0098	3.985	0.0100	3.922	0.0808	0.0320	5			0
028.41	Manganese, ICP, Dry ash (ppm)	0074	4.000	0.0000	3.922	0.0808	0.0320	5			0
028.41	Manganese, ICP, Dry ash (ppm)	0407	4.389	1.087	3.922	0.0808	0.0320	5			1
028.42	Manganese, ICP, Open vessel (ppm)	0870	3.922	0.1520				2			0
028.42	Manganese, ICP, Open vessel (ppm)	2207	4.000	0.0000				2			0
028.43	Manganese, ICP, Microwave (ppm)	2058	3.655	0.0500	4.257	0.5081	0.3368	10	-1.18	7%	0
028.43	Manganese, ICP, Microwave (ppm)	0098	3.960	0.0800	4.257	0.5081	0.3368	10	-0.58	3%	0
028.43	Manganese, ICP, Microwave (ppm)	2114	3.963	0.0300	4.257	0.5081	0.3368	10	-0.58	3%	0
028.43	Manganese, ICP, Microwave (ppm)	0510	4.000	0.0000	4.257	0.5081	0.3368	10	-0.51	3%	0
028.43	Manganese, ICP, Microwave (ppm)	0202	4.040	1.580	4.257	0.5081	0.3368	10	-0.43	3%	0
028.43	Manganese, ICP, Microwave (ppm)	2124	4.170	0.0200	4.257	0.5081	0.3368	10	-0.17	1%	0
028.43	Manganese, ICP, Microwave (ppm)	0870	4.291	0.1570	4.257	0.5081	0.3368	10	0.07	0%	0
028.43	Manganese, ICP, Microwave (ppm)	0407	4.500	0.0111	4.257	0.5081	0.3368	10	0.48	3%	0
028.43	Manganese, ICP, Microwave (ppm)	0042	4.970	1.220	4.257	0.5081	0.3368	10	1.40	8%	0
028.43	Manganese, ICP, Microwave (ppm)	2089	6.790	0.2200	4.257	0.5081	0.3368	10	4.99	30%	0
028.52	Manganese, ICP-MS, Open vessel (ppm)	0047	5.080	0.1200				1			0
028.99	Manganese, Miscellaneous (ppm)	0242	4.000	0.0000				1			0
031.01	Phosphorus, Photometric (%)	0529	0.2500	0.0000				2			0
031.01	Phosphorus, Photometric (%)	2115	0.2700	0.0000				2			0
031.01	Phosphorus, Photometric (%)	0208	0.2660	0.0060				2			1
031.01	Phosphorus, Photometric (%)	0656	0.1100	0.0000				2			2
031.03	Phosphorus, Autoanalyzer (%)	0001	0.2585	0.0090				1			0
031.41	Phosphorus, ICP, Dry ash (%)	1021	0.2370	0.0080	0.2531	0.0107	0.0075	12	-1.50	3%	0
031.41	Phosphorus, ICP, Dry ash (%)	0407	0.2425	0.0144	0.2531	0.0107	0.0075	12	-0.99	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0051	0.2458	0.0021	0.2531	0.0107	0.0075	12	-0.69	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	1024	0.2490	0.0060	0.2531	0.0107	0.0075	12	-0.38	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	1023	0.2495	0.0010	0.2531	0.0107	0.0075	12	-0.34	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	1022	0.2510	0.0040	0.2531	0.0107	0.0075	12	-0.20	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	2232	0.2530	0.0160	0.2531	0.0107	0.0075	12	-0.01	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0171	0.2550	0.0100	0.2531	0.0107	0.0075	12	0.17	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0164	0.2570	0.0000	0.2531	0.0107	0.0075	12	0.36	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0098	0.2640	0.0096	0.2531	0.0107	0.0075	12	1.01	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0208	0.2645	0.0170	0.2531	0.0107	0.0075	12	1.06	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0074	0.2700	0.0020	0.2531	0.0107	0.0075	12	1.57	3%	0
031.42	Phosphorus, ICP, Open vessel (%)	0870	0.2467	0.0020	0.2594	0.0087	0.0155	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			
031.42	Phosphorus, ICP, Open vessel (%)	0504	0.2610	0.0400	0.2594	0.0087	0.0155	4			0
031.42	Phosphorus, ICP, Open vessel (%)	0047	0.2650	0.0100	0.2594	0.0087	0.0155	4			0
031.42	Phosphorus, ICP, Open vessel (%)	2207	0.2650	0.0100	0.2594	0.0087	0.0155	4			0
031.43	Phosphorus, ICP, Microwave (%)	2187	0.2500	0.0000	0.2744	0.0243	0.0100	12	-1.01	4%	0
031.43	Phosphorus, ICP, Microwave (%)	0870	0.2504	0.0135	0.2744	0.0243	0.0100	12	-0.99	4%	0
031.43	Phosphorus, ICP, Microwave (%)	0001	0.2520	0.0120	0.2744	0.0243	0.0100	12	-0.92	4%	0
031.43	Phosphorus, ICP, Microwave (%)	2124	0.2600	0.0000	0.2744	0.0243	0.0100	12	-0.59	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0042	0.2650	0.0200	0.2744	0.0243	0.0100	12	-0.39	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0202	0.2700	0.0200	0.2744	0.0243	0.0100	12	-0.18	1%	0
031.43	Phosphorus, ICP, Microwave (%)	2058	0.2750	0.0100	0.2744	0.0243	0.0100	12	0.02	0%	0
031.43	Phosphorus, ICP, Microwave (%)	2089	0.2750	0.0100	0.2744	0.0243	0.0100	12	0.02	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0098	0.2798	0.0075	0.2744	0.0243	0.0100	12	0.22	1%	0
031.43	Phosphorus, ICP, Microwave (%)	2114	0.2950	0.0020	0.2744	0.0243	0.0100	12	0.85	4%	0
031.43	Phosphorus, ICP, Microwave (%)	0510	0.3100	0.0000	0.2744	0.0243	0.0100	12	1.47	6%	0
031.43	Phosphorus, ICP, Microwave (%)	0407	0.3175	0.0245	0.2744	0.0243	0.0100	12	1.77	8%	0
031.44	Phosphorus, ICP, Dry ash (%)	2219	0.2400	0.0000	0.2444	0.0053	0.0122	6	-0.84	1%	0
031.44	Phosphorus, ICP, Dry ash (%)	2252	0.2400	0.0200	0.2444	0.0053	0.0122	6	-0.84	1%	0
031.44	Phosphorus, ICP, Dry ash (%)	0065	0.2417	0.0033	0.2444	0.0053	0.0122	6	-0.53	1%	0
031.44	Phosphorus, ICP, Dry ash (%)	2293	0.2450	0.0100	0.2444	0.0053	0.0122	6	0.11	0%	0
031.44	Phosphorus, ICP, Dry ash (%)	2156	0.2500	0.0200	0.2444	0.0053	0.0122	6	1.05	1%	0
031.44	Phosphorus, ICP, Dry ash (%)	2220	0.2500	0.0200	0.2444	0.0053	0.0122	6	1.05	1%	0
031.53	Phosphorus, ICP-MS, Microwave (%)	0553	0.2910	0.0180				1			0
031.99	Phosphorus, Miscellaneous (%)	0889	0.2100	0.0000				3			0
031.99	Phosphorus, Miscellaneous (%)	0242	0.2350	0.0100				3			0
031.99	Phosphorus, Miscellaneous (%)	0676	0.2750	0.0100				3			0
032.41	Potassium, ICP, Dry ash (%)	2232	0.3090	0.0060	0.3280	0.0170	0.0118	12	-1.12	3%	0
032.41	Potassium, ICP, Dry ash (%)	1021	0.3100	0.0120	0.3280	0.0170	0.0118	12	-1.06	3%	0
032.41	Potassium, ICP, Dry ash (%)	1023	0.3170	0.0000	0.3280	0.0170	0.0118	12	-0.65	2%	0
032.41	Potassium, ICP, Dry ash (%)	1024	0.3185	0.0050	0.3280	0.0170	0.0118	12	-0.56	1%	0
032.41	Potassium, ICP, Dry ash (%)	1022	0.3195	0.0070	0.3280	0.0170	0.0118	12	-0.50	1%	0
032.41	Potassium, ICP, Dry ash (%)	0208	0.3205	0.0270	0.3280	0.0170	0.0118	12	-0.44	1%	0
032.41	Potassium, ICP, Dry ash (%)	0407	0.3223	0.0429	0.3280	0.0170	0.0118	12	-0.34	1%	0
032.41	Potassium, ICP, Dry ash (%)	0164	0.3380	0.0000	0.3280	0.0170	0.0118	12	0.59	2%	0
032.41	Potassium, ICP, Dry ash (%)	0051	0.3413	0.0155	0.3280	0.0170	0.0118	12	0.78	2%	0
032.41	Potassium, ICP, Dry ash (%)	0171	0.3420	0.0060	0.3280	0.0170	0.0118	12	0.82	2%	0
032.41	Potassium, ICP, Dry ash (%)	0074	0.3450	0.0100	0.3280	0.0170	0.0118	12	1.00	3%	0
032.41	Potassium, ICP, Dry ash (%)	0098	0.3550	0.0100	0.3280	0.0170	0.0118	12	1.59	4%	0
032.42	Potassium, ICP, Open vessel (%)	0047	0.2900	0.0000				3			0
032.42	Potassium, ICP, Open vessel (%)	0870	0.3248	0.0049				3			0
032.42	Potassium, ICP, Open vessel (%)	0504	0.3350	0.0200				3			0
032.43	Potassium, ICP, Microwave (%)	0870	0.3308	0.0171	0.3636	0.0297	0.0253	8	-1.11	5%	0
032.43	Potassium, ICP, Microwave (%)	2089	0.3400	0.0400	0.3636	0.0297	0.0253	8	-0.80	3%	0

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032.43	Potassium, ICP, Microwave (%)	2124	0.3400	0.0000	0.3636	0.0297	0.0253	8	-0.80	3%	0
032.43	Potassium, ICP, Microwave (%)	0098	0.3650	0.0500	0.3636	0.0297	0.0253	8	0.05	0%	0
032.43	Potassium, ICP, Microwave (%)	0042	0.3655	0.0250	0.3636	0.0297	0.0253	8	0.06	0%	0
032.43	Potassium, ICP, Microwave (%)	0202	0.3700	0.0200	0.3636	0.0297	0.0253	8	0.21	1%	0
032.43	Potassium, ICP, Microwave (%)	0407	0.3929	0.0405	0.3636	0.0297	0.0253	8	0.98	4%	0
032.43	Potassium, ICP, Microwave (%)	0510	0.4050	0.0100	0.3636	0.0297	0.0253	8	1.39	6%	0
032.44	Potassium, ICP, Dry ash (%)	2219	0.3200	0.0000	0.3261	0.0059	0.0089	6	-1.03	1%	0
032.44	Potassium, ICP, Dry ash (%)	2252	0.3200	0.0200	0.3261	0.0059	0.0089	6	-1.03	1%	0
032.44	Potassium, ICP, Dry ash (%)	2156	0.3250	0.0300	0.3261	0.0059	0.0089	6	-0.19	0%	0
032.44	Potassium, ICP, Dry ash (%)	2220	0.3300	0.0000	0.3261	0.0059	0.0089	6	0.66	1%	0
032.44	Potassium, ICP, Dry ash (%)	2293	0.3300	0.0000	0.3261	0.0059	0.0089	6	0.66	1%	0
032.44	Potassium, ICP, Dry ash (%)	0065	0.3317	0.0033	0.3261	0.0059	0.0089	6	0.93	1%	0
032.53	Potassium, ICP-MS, Microwave (%)	0553	0.3200	0.0020				1			0
032.99	Potassium, Miscellaneous (%)	0889	0.3250	0.0100				2			0
032.99	Potassium, Miscellaneous (%)	0242	0.3300	0.0200				2			0
033.00	Salt as chloride, Sol Cl (%)	0309	< 0.1					0			5
033.01	Salt as chloride, Poten Cl (%)	0510	0.0495	0.0000	0.0736	0.0163	0.0005	4			0
033.01	Salt as chloride, Poten Cl (%)	0098	0.0800	0.0000	0.0736	0.0163	0.0005	4			0
033.01	Salt as chloride, Poten Cl (%)	0242	0.0800	0.0000	0.0736	0.0163	0.0005	4			0
033.01	Salt as chloride, Poten Cl (%)	0407	0.0850	0.0020	0.0736	0.0163	0.0005	4			0
033.01	Salt as chloride, Poten Cl (%)	0650	0.0850	0.0100	0.0736	0.0163	0.0005	4			1
033.01	Salt as chloride, Poten Cl (%)	0164	< 0.1		0.0736	0.0163	0.0005	4			5
033.05	Salt as chloride, Ion Sel Electrode (%)	0171	0.0755	0.0010				1			0
034.04	Selenium, AA, Hydride (ppm)	0171	0.0415	0.0090				1			0
034.41	Selenium, ICP, Dry ash (ppm)	0407	0.0100	0.0000				1			0
034.43	Selenium, ICP, Microwave (ppm)	0407	0.9800	0.1400				1			0
034.53	Selenium, ICP-MS, Microwave (ppm)	0553	0.0385	0.0010				1			0
034.53	Selenium, ICP-MS, Microwave (ppm)	0164	< 0.05					1			5
035.41	Sodium, ICP, Dry ash (%)	0098	0.0019	0.0001	0.0098	0.0058	0.0021	15	-1.36	41%	0
035.41	Sodium, ICP, Dry ash (%)	2232	0.0045	0.0050	0.0098	0.0058	0.0021	15	-0.90	27%	0
035.41	Sodium, ICP, Dry ash (%)	0407	0.0049	0.0012	0.0098	0.0058	0.0021	15	-0.84	25%	0
035.41	Sodium, ICP, Dry ash (%)	0051	0.0053	0.0055	0.0098	0.0058	0.0021	15	-0.78	23%	0
035.41	Sodium, ICP, Dry ash (%)	2156	0.0065	0.0070	0.0098	0.0058	0.0021	15	-0.56	17%	0
035.41	Sodium, ICP, Dry ash (%)	2252	0.0065	0.0070	0.0098	0.0058	0.0021	15	-0.56	17%	0
035.41	Sodium, ICP, Dry ash (%)	0171	0.0080	0.0040	0.0098	0.0058	0.0021	15	-0.30	9%	0
035.41	Sodium, ICP, Dry ash (%)	2219	0.0100	0.0000	0.0098	0.0058	0.0021	15	0.04	1%	0
035.41	Sodium, ICP, Dry ash (%)	2220	0.0100	0.0000	0.0098	0.0058	0.0021	15	0.04	1%	0
035.41	Sodium, ICP, Dry ash (%)	2293	0.0100	0.0000	0.0098	0.0058	0.0021	15	0.04	1%	0
035.41	Sodium, ICP, Dry ash (%)	0065	0.0112	0.0003	0.0098	0.0058	0.0021	15	0.24	7%	0
035.41	Sodium, ICP, Dry ash (%)	1021	0.0165	0.0010	0.0098	0.0058	0.0021	15	1.15	34%	0
035.41	Sodium, ICP, Dry ash (%)	1022	0.0170	0.0000	0.0098	0.0058	0.0021	15	1.24	37%	0
035.41	Sodium, ICP, Dry ash (%)	1024	0.0170	0.0000	0.0098	0.0058	0.0021	15	1.24	37%	0



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035.41	Sodium, ICP, Dry ash (%)	1023	0.0175	0.0010	0.0098	0.0058	0.0021	15	1.32	39%	0
035.41	Sodium, ICP, Dry ash (%)	0164	< 0.002		0.0098	0.0058	0.0021	15			5
035.42	Sodium, ICP, Open vessel (%)	0870	0.0025	0.0001				1			0
035.43	Sodium, ICP, Microwave (%)	0407	0.0013	0.0006	0.0058	0.0048	0.0002	4			0
035.43	Sodium, ICP, Microwave (%)	0870	0.0021	0.0001	0.0058	0.0048	0.0002	4			0
035.43	Sodium, ICP, Microwave (%)	0202	0.0100	0.0000	0.0058	0.0048	0.0002	4			0
035.43	Sodium, ICP, Microwave (%)	2089	0.0100	0.0000	0.0058	0.0048	0.0002	4			0
035.43	Sodium, ICP, Microwave (%)	0510	0.0015	0.0010	0.0058	0.0048	0.0002	4			1
035.43	Sodium, ICP, Microwave (%)	2124	0.0000	0.0000	0.0058	0.0048	0.0002	4			4
035.43	Sodium, ICP, Microwave (%)	0098	< 0.0017		0.0058	0.0048	0.0002	4			5
035.99	Sodium, Miscellaneous (%)	0889	0.0250	0.0000				1			0
035.99	Sodium, Miscellaneous (%)	0242	< 0.01					1			5
036.42	Sulfur, ICP, Open vessel (%)	0870	0.0748	0.0002				3			0
036.42	Sulfur, ICP, Open vessel (%)	0164	0.0800	0.0000				3			0
036.42	Sulfur, ICP, Open vessel (%)	0171	0.0800	0.0000				3			0
036.42	Sulfur, ICP, Open vessel (%)	0407	0.0871	0.0031				3			1
036.43	Sulfur, ICP, Microwave (%)	0870	0.0754	0.0013	0.0904	0.0020	0.0015	6	-7.62	8%	0
036.43	Sulfur, ICP, Microwave (%)	0202	0.0900	0.0000	0.0904	0.0020	0.0015	6	-0.18	0%	0
036.43	Sulfur, ICP, Microwave (%)	0510	0.0900	0.0000	0.0904	0.0020	0.0015	6	-0.18	0%	0
036.43	Sulfur, ICP, Microwave (%)	0042	0.0905	0.0050	0.0904	0.0020	0.0015	6	0.07	0%	0
036.43	Sulfur, ICP, Microwave (%)	0098	0.0910	0.0027	0.0904	0.0020	0.0015	6	0.30	0%	0
036.43	Sulfur, ICP, Microwave (%)	2089	0.1100	0.0000	0.0904	0.0020	0.0015	6	9.96	11%	0
036.43	Sulfur, ICP, Microwave (%)	0407	0.0950	0.0178	0.0904	0.0020	0.0015	6	2.35	3%	1
036.53	Sulfur, ICP-MS, Microwave (%)	0553	0.0825	0.0030				1			0
036.99	Sulfur, Miscellaneous (%)	0889	0.0700	0.0000				1			0
036.99	Sulfur, Miscellaneous (%)	0242	< 0.01					1			5
037.31	Zinc, AAS, Dry ash (ppm)	2115	17.73	0.4100				3			0
037.31	Zinc, AAS, Dry ash (ppm)	0656	18.98	0.0000				3			0
037.31	Zinc, AAS, Dry ash (ppm)	0529	21.75	0.7000				3			0
037.33	Zinc, AAS, Microwave (ppm)	0010	17.35	1.100				1			0
037.41	Zinc, ICP, Dry ash (ppm)	0074	16.50	3.000	18.58	2.327	1.207	6	-0.89	6%	0
037.41	Zinc, ICP, Dry ash (ppm)	0164	17.50	1.000	18.58	2.327	1.207	6	-0.46	3%	0
037.41	Zinc, ICP, Dry ash (ppm)	0098	17.68	0.4800	18.58	2.327	1.207	6	-0.39	2%	0
037.41	Zinc, ICP, Dry ash (ppm)	0051	17.75	1.550	18.58	2.327	1.207	6	-0.36	2%	0
037.41	Zinc, ICP, Dry ash (ppm)	0171	20.00	0.2000	18.58	2.327	1.207	6	0.61	4%	0
037.41	Zinc, ICP, Dry ash (ppm)	0407	22.05	1.010	18.58	2.327	1.207	6	1.49	9%	0
037.42	Zinc, ICP, Open vessel (ppm)	2207	17.00	0.0000				2			0
037.42	Zinc, ICP, Open vessel (ppm)	0870	19.41	0.5700				2			0
037.43	Zinc, ICP, Microwave (ppm)	2058	16.61	1.220	18.83	1.941	0.9034	10	-1.14	6%	0
037.43	Zinc, ICP, Microwave (ppm)	2124	17.00	0.0000	18.83	1.941	0.9034	10	-0.94	5%	0
037.43	Zinc, ICP, Microwave (ppm)	2114	17.22	0.6080	18.83	1.941	0.9034	10	-0.83	4%	0
037.43	Zinc, ICP, Microwave (ppm)	0510	18.00	0.0000	18.83	1.941	0.9034	10	-0.43	2%	0

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037.43	Zinc, ICP, Microwave (ppm)	0098	18.31	1.370	18.83	1.941	0.9034	10	-0.27	1%	0
037.43	Zinc, ICP, Microwave (ppm)	0202	18.60	2.000	18.83	1.941	0.9034	10	-0.12	1%	0
037.43	Zinc, ICP, Microwave (ppm)	0870	19.66	1.120	18.83	1.941	0.9034	10	0.43	2%	0
037.43	Zinc, ICP, Microwave (ppm)	0042	20.70	1.400	18.83	1.941	0.9034	10	0.97	5%	0
037.43	Zinc, ICP, Microwave (ppm)	0407	20.86	0.5657	18.83	1.941	0.9034	10	1.05	5%	0
037.43	Zinc, ICP, Microwave (ppm)	2089	21.32	0.7500	18.83	1.941	0.9034	10	1.28	7%	0
037.43	Zinc, ICP, Microwave (ppm)	0027	25.82	5.182	18.83	1.941	0.9034	10	3.61	19%	1
037.52	Zinc, ICP-MS, Open vessel (ppm)	0047	20.84	0.0900				1			0
037.53	Zinc, ICP-MS, Microwave (ppm)	0553	18.60	0.2000				1			0
037.99	Zinc, Miscellaneous (ppm)	0242	15.50	1.000				2			0
037.99	Zinc, Miscellaneous (ppm)	0889	19.39	0.4400				2			0
038.41	Molybdenum, ICP, Dry ash (ppm)	0407	0.3726	0.0322				2			0
038.41	Molybdenum, ICP, Dry ash (ppm)	0171	0.4115	0.0050				2			0
038.43	Molybdenum, ICP, Microwave (ppm)	0510	0.4000	0.0000				2			0
038.43	Molybdenum, ICP, Microwave (ppm)	0407	0.4493	0.0923				2			0
038.53	Molybdenum, ICP-MS, Microwave (ppm)	0553	0.4815	0.0450				1			0
041.53	Vanadium, ICP-MS, Microwave (ppm)	0553	0.0050	0.0000				1			0
101.02	Choline Chloride, LC (ppm)	0227	793.0	12.00				1			0
102.02	Niacin, LC (ppm)	2124	17.31	2.930				1			0
103.02	Pantothenic Acid, LC (ppm)	2124	20.28	14.94				1			0
104.03	Riboflavin, LC (ppm)	2124	0.1250	0.0300				1			0
105.00	Thiamine, LC (ppm)	2124	10.86	7.070				1			0
106.02	Vitamin A, LC (KU / kg)	0676	0.2300	0.0400				2			0
106.02	Vitamin A, LC (KU / kg)	0227	0.5055	0.0030				2			0
109.02	Vitamin E, LC (IU / kg)	0227	8.435	1.270				2			0
109.02	Vitamin E, LC (IU / kg)	0676	10.17	0.8800				2			0
112.01	Pyridoxine, LC (µg / g)	2124	79.49	72.68				1			0
120.00	Alanine, Post-col Ninhydrin Der (%)	0870	0.5073	0.0072				2			0
120.00	Alanine, Post-col Ninhydrin Der (%)	0504	0.5100	0.0000				2			0
120.05	Alanine, Pre-col AQC Der (%)	0407	0.4605	0.0270				2			0
120.05	Alanine, Pre-col AQC Der (%)	0676	0.4950	0.0100				2			0
120.99	Alanine, Miscellaneous (%)	0227	0.5100	0.0000				1			0
121.00	Arginine, Post-col Ninhydrin Der (%)	0504	0.3150	0.0100				2			0
121.00	Arginine, Post-col Ninhydrin Der (%)	0870	0.3192	0.0039				2			0
121.05	Arginine, Pre-col AQC Der (%)	0407	0.0025	0.0010				2			0
121.05	Arginine, Pre-col AQC Der (%)	0676	0.3350	0.0100				2			0
121.99	Arginine, Miscellaneous (%)	0227	0.3350	0.0100				1			0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0870	0.4671	0.0019				2			0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0504	0.4700	0.0000				2			0
122.05	Aspartic, Pre-col AQC Der (%)	0407	0.4140	0.0220				2			0
122.05	Aspartic, Pre-col AQC Der (%)	0676	0.4900	0.0000				2			0
122.99	Aspartic, Miscellaneous (%)	0227	0.4900	0.0200				1			0

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124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0870	0.0956	0.0040				3		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0227	0.1450	0.0100				3		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0504	0.1600	0.0000				3		0	
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0676	0.1550	0.0100				2		0	
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0407	0.2549	0.0188				2		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0504	1.280	0.0000				2		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0870	1.285	0.0063				2		0	
125.05	Glutamic, Pre-col AQC Der (%)	0407	1.111	0.0690				2		0	
125.05	Glutamic, Pre-col AQC Der (%)	0676	1.290	0.1200				2		0	
125.99	Glutamic, Miscellaneous (%)	0227	1.235	0.0100				1		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0870	0.2691	0.0006				2		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0504	0.2850	0.0100				2		0	
126.05	Glycine, Pre-col AQC Der (%)	0676	0.2550	0.0100				2		0	
126.05	Glycine, Pre-col AQC Der (%)	0407	0.4080	0.0280				2		0	
126.99	Glycine, Miscellaneous (%)	0227	0.2850	0.0100				1		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0870	0.1577	0.0001				2		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0504	0.2000	0.0000				2		0	
127.05	Histidine, Pre-col AQC Der (%)	0407	0.1635	0.0110				2		0	
127.05	Histidine, Pre-col AQC Der (%)	0676	0.1800	0.0000				2		0	
127.99	Histidine, Miscellaneous (%)	0227	0.2100	0.0200				1		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0504	0.2550	0.0100				2		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0870	0.2875	0.0025				2		0	
128.05	Isoleucine, Pre-col AQC Der (%)	0407	0.1635	0.0070				2		0	
128.05	Isoleucine, Pre-col AQC Der (%)	0676	0.2250	0.0100				2		0	
128.99	Isoleucine, Miscellaneous (%)	0227	0.2300	0.0000				1		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0504	0.8050	0.0100				2		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0870	0.8342	0.0106				2		0	
129.05	Leucine, Pre-col AQC Der (%)	0407	0.7215	0.0370				2		0	
129.05	Leucine, Pre-col AQC Der (%)	0676	0.7800	0.0200				2		0	
129.99	Leucine, Miscellaneous (%)	0227	0.8000	0.0000				1		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0870	0.1811	0.0019				3		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0504	0.2300	0.0000				3		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	2115	0.2500	0.0240				3		0	
130.03	L-Lysine, Pre-col Dansyl Cl Der (%)	0656	0.2200	0.0000				1		0	
130.05	L-Lysine, Pre-col AQC Der (%)	0407	0.0205	0.0010				2		0	
130.05	L-Lysine, Pre-col AQC Der (%)	0676	0.2200	0.0000				2		0	
130.99	L-Lysine, Miscellaneous (%)	0227	0.2450	0.0100				1		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0870	0.1219	0.0044				3		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0504	0.1400	0.0000				3		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0227	0.1450	0.0100				3		0	
131.05	Methionine, PAO Pre-col AQC Der (%)	0676	0.1450	0.0100				2		0	
131.05	Methionine, PAO Pre-col AQC Der (%)	0407	0.1494	0.0090				2		0	

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132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0870	0.3163	0.0123				2		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0504	0.3400	0.0000				2		0	
132.05	Phenylalanine, Pre-col AQC Der (%)	0407	0.3090	0.0180				2		0	
132.05	Phenylalanine, Pre-col AQC Der (%)	0676	0.3800	0.0200				2		0	
132.99	Phenylalanine, Miscellaneous (%)	0227	0.3200	0.0000				1		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0870	0.5649	0.0140				2		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0504	0.6150	0.0100				2		0	
133.05	Proline, Pre-col AQC Der (%)	0407	0.5735	0.0290				2		0	
133.05	Proline, Pre-col AQC Der (%)	0676	0.5950	0.0100				2		0	
133.99	Proline, Miscellaneous (%)	0227	0.6400	0.0200				1		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0504	0.3200	0.0000				2		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0870	0.3330	0.0023				2		0	
134.05	Serine, Pre-col AQC Der (%)	0676	0.3200	0.0200				2		0	
134.05	Serine, Pre-col AQC Der (%)	0407	0.3310	0.0220				2		0	
134.99	Serine, Miscellaneous (%)	0227	0.3400	0.0000				1		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0870	0.2421	0.0013				2		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0504	0.2500	0.0000				2		0	
135.05	Threonine, Pre-col AQC Der (%)	0407	0.2065	0.0150				2		0	
135.05	Threonine, Pre-col AQC Der (%)	0676	0.2500	0.0000				2		0	
135.99	Threonine, Miscellaneous (%)	0227	0.2550	0.0100				1		0	
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0227	0.0600	0.0000				2		0	
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0870	0.0787	0.0037				2		0	
136.05	Tryptophan, Pre-col AQC Der (%)	0407	0.0450	0.0020				1		0	
136.99	Tryptophan, Miscellaneous (%)	0504	0.0650	0.0100				1		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0504	0.1850	0.0500				2		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0870	0.2586	0.0105				2		0	
137.05	Tyrosine, Pre-col AQC Der (%)	0676	0.2950	0.0100				2		0	
137.05	Tyrosine, Pre-col AQC Der (%)	0407	0.6265	0.0410				2		0	
137.99	Tyrosine, Miscellaneous (%)	0227	0.2100	0.0000				1		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0870	0.3259	0.0002				2		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0504	0.3350	0.0100				2		0	
138.05	Valine, Pre-col AQC Der (%)	0407	0.2725	0.0210				2		0	
138.05	Valine, Pre-col AQC Der (%)	0676	0.3450	0.0100				2		0	
138.99	Valine, Miscellaneous (%)	0227	0.3450	0.0100				1		0	
139.00	Taurine, Post-col Ninhydrin Der (%)	0504	0.1650	0.0500				1		0	
139.05	Taurine, Pre-col AQC Der (%)	0407	0.1275	0.0130				1		0	
400.01	Water Activity, Aqualab chilled mirror (Units)	2303	0.5633	0.0016				2		0	
400.01	Water Activity, Aqualab chilled mirror (Units)	0407	0.5708	0.0009				2		0	
516.43	Arsenic, Total, ICP, Microwave (ppm)	0407	0.5680	0.0580				1		0	
516.43	Arsenic, Total, ICP, Microwave (ppm)	2124	< 0.89					1		5	
516.53	Arsenic, Total, ICP-MS, Microwave (ppm)	0227	< 0.01					0		5	
518.41	Cadmium, ICP, Dry ash (ppm)	0171	0.0040	0.0000				2		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			
518.41	Cadmium, ICP, Dry ash (ppm)	0407	0.0051	0.0067				2		0	
518.43	Cadmium, ICP, Microwave (ppm)	0407	0.0033	0.0007				1		0	
518.43	Cadmium, ICP, Microwave (ppm)	2124	< 0.16					1		5	
518.53	Cadmium, ICP-MS, Microwave (ppm)	0227	< 0.01					0		5	
520.41	Chromium, ICP, Dry ash (ppm)	0407	0.0968	0.0123				2		0	
520.41	Chromium, ICP, Dry ash (ppm)	0171	0.1235	0.0070				2		0	
520.43	Chromium, ICP, Microwave (ppm)	0510	0.1050	0.0100				2		0	
520.43	Chromium, ICP, Microwave (ppm)	0407	0.1724	0.0310				2		0	
520.53	Chromium, ICP-MS, Microwave (ppm)	0553	0.1285	0.0030				1		0	
526.41	Lead, ICP, Dry ash (ppm)	0171	0.0135	0.0030				2		0	
526.41	Lead, ICP, Dry ash (ppm)	0407	0.1186	0.0062				2		0	
526.43	Lead, ICP, Microwave (ppm)	0407	0.0059	0.0034				1		0	
526.53	Lead, ICP-MS, Microwave (ppm)	0553	0.0065	0.0010				1		0	
526.53	Lead, ICP-MS, Microwave (ppm)	0227	< 0.01					1		5	
539.41	Nickel, ICP, Dry ash (ppm)	0171	0.2450	0.0020				2		0	
539.41	Nickel, ICP, Dry ash (ppm)	0407	0.2458	0.0048				2		0	
539.43	Nickel, ICP, Microwave (ppm)	0407	0.3854	0.0370				1		0	
539.53	Nickel, ICP-MS, Microwave (ppm)	0553	0.3240	0.0500				1		0	
710.99	Lauric Acid (12:0), Miscellaneous (% (w/w))	2124	< 0.01					0		5	
714.99	Myristic Acid (14:0), Miscellaneous (% (w/w))	2124	< 0.01					0		5	
716.99	Palmitic Acid (16:0), Miscellaneous (% (w/w))	2124	0.4250	0.0300				1		0	
718.99	Palmitoleic Acid (9c-16:1), Miscellaneous (% (w/w))	2124	< 0.01					0		5	
722.99	Stearic Acid (18:0), Miscellaneous (% (w/w))	2124	0.0600	0.0000				1		0	
724.99	Oleic Acid (9c-18:1), Miscellaneous (% (w/w))	2124	0.9700	0.0600				1		0	
726.99	Linoleic Acid (9c,12c-18:2), Miscellaneous (% (w/w))	2124	1.980	0.1400				1		0	
728.99	alpha-Linolenic Acid (9c,12c,15c-18:3), Miscellaneous (% (w/w))	2124	0.0500	0.0000				1		0	
740.99	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5), Miscellaneous (% (w/w))	2124	< 0.01					0		5	
750.99	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-22:6), Miscellaneous (% (w/w))	2124	< 0.01					0		5	
754.99	Total n-3 Polyunsaturated (Omega-3) Fatty Acids, Miscellaneous (% (w/w))	2124	0.0500	0.0000				1		0	
756.99	Total n-6 Polyunsaturated (Omega-6) Fatty Acids, Miscellaneous (% (w/w))	2124	1.980	0.1400				1		0	
772.99	Total Fatty Acids, Miscellaneous (% (w/w))	2124	3.505	0.2300				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, 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.