

Pet Food Ingredient Scheme
Wheat Bran
Test Material Code # 201943

Labs Reporting: 59
Methods Reported 259
Issue Date : 09/30/2019

Method Proficiency Testing Report

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	9.225	0.1100				2		0	
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0027	10.07	0.0200				2		0	
001.03	Loss on Drying, Low temp. methods (%)	2115	9.545	0.0300				3		0	
001.03	Loss on Drying, Low temp. methods (%)	2124	9.775	0.1500				3		0	
001.03	Loss on Drying, Low temp. methods (%)	0619	10.10	0.0000				3		0	
001.05	Loss on Drying, LECO (%)	0074	10.05	0.0300				1		0	
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0845	8.625	0.3300	9.844	0.2864	0.1387	14	-4.26	6%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0034	9.490	0.1400	9.844	0.2864	0.1387	14	-1.24	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2187	9.650	0.0200	9.844	0.2864	0.1387	14	-0.68	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0074	9.700	0.4000	9.844	0.2864	0.1387	14	-0.50	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0171	9.700	0.0000	9.844	0.2864	0.1387	14	-0.50	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2220	9.775	0.0700	9.844	0.2864	0.1387	14	-0.24	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2252	9.815	0.1300	9.844	0.2864	0.1387	14	-0.10	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2219	9.860	0.0000	9.844	0.2864	0.1387	14	0.06	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0407	9.892	0.0918	9.844	0.2864	0.1387	14	0.17	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2156	9.895	0.1700	9.844	0.2864	0.1387	14	0.18	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0876	10.00	0.4000	9.844	0.2864	0.1387	14	0.55	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2273	10.15	0.0100	9.844	0.2864	0.1387	14	1.05	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0098	10.21	0.1700	9.844	0.2864	0.1387	14	1.26	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0529	10.70	0.0100	9.844	0.2864	0.1387	14	2.97	4%	0
001.99	Loss on Drying, Miscellaneous (%)	0889	8.570	0.2200	9.445	0.0919	0.1917	6	-9.53	5%	0
001.99	Loss on Drying, Miscellaneous (%)	0510	9.400	0.0000	9.445	0.0919	0.1917	6	-0.49	0%	0
001.99	Loss on Drying, Miscellaneous (%)	2136	9.465	0.5300	9.445	0.0919	0.1917	6	0.21	0%	0
001.99	Loss on Drying, Miscellaneous (%)	0676	9.475	0.0300	9.445	0.0919	0.1917	6	0.32	0%	0
001.99	Loss on Drying, Miscellaneous (%)	0918	9.485	0.1700	9.445	0.0919	0.1917	6	0.43	0%	0
001.99	Loss on Drying, Miscellaneous (%)	2155	9.540	0.2000	9.445	0.0919	0.1917	6	1.03	1%	0
002.00	Protein, Crude, Crude (%)	0845	18.86	0.2000				1		0	
002.01	Protein, Crude, Auto Kjeh-Foss (%)	0870	18.53	0.1220	18.65	0.1239	0.1330	4		0	
002.01	Protein, Crude, Auto Kjeh-Foss (%)	0164	18.60	0.0700	18.65	0.1239	0.1330	4		0	
002.01	Protein, Crude, Auto Kjeh-Foss (%)	0619	18.65	0.1000	18.65	0.1239	0.1330	4		0	
002.01	Protein, Crude, Auto Kjeh-Foss (%)	0889	18.82	0.2400	18.65	0.1239	0.1330	4		0	
002.01	Protein, Crude, Auto Kjeh-Foss (%)	0914	16.66	0.2400	18.65	0.1239	0.1330	4		2	
002.04	Protein, Crude, Copper Catalyst (%)	0504	18.37	0.7700				2		0	

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
002.04	Protein, Crude, Copper Catalyst (%)	2122	18.88	0.0000				2			0
002.05	Protein, Crude, Copper, Boric Acid (%)	2115	18.88	0.0900				1			0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2162	9.080	0.1000	18.87	0.4279	0.1552	44	-22.88	26%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2219	17.11	0.3000	18.87	0.4279	0.1552	44	-4.12	5%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2252	17.11	0.1400	18.87	0.4279	0.1552	44	-4.12	5%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2156	17.16	0.3700	18.87	0.4279	0.1552	44	-4.01	5%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2033	17.57	0.1900	18.87	0.4279	0.1552	44	-3.05	3%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0529	18.18	0.3700	18.87	0.4279	0.1552	44	-1.63	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0650	18.50	0.2700	18.87	0.4279	0.1552	44	-0.88	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0047	18.55	0.3000	18.87	0.4279	0.1552	44	-0.75	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0164	18.57	0.2500	18.87	0.4279	0.1552	44	-0.72	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0880	18.60	0.2000	18.87	0.4279	0.1552	44	-0.63	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0015	18.64	0.1100	18.87	0.4279	0.1552	44	-0.55	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0242	18.67	0.1200	18.87	0.4279	0.1552	44	-0.47	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0051	18.70	0.0000	18.87	0.4279	0.1552	44	-0.40	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0964	18.74	0.0680	18.87	0.4279	0.1552	44	-0.31	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0870	18.74	0.2332	18.87	0.4279	0.1552	44	-0.30	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0202	18.74	0.1120	18.87	0.4279	0.1552	44	-0.30	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0619	18.75	0.1000	18.87	0.4279	0.1552	44	-0.28	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2169	18.75	0.1000	18.87	0.4279	0.1552	44	-0.28	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0676	18.79	0.3100	18.87	0.4279	0.1552	44	-0.20	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0208	18.80	0.0000	18.87	0.4279	0.1552	44	-0.17	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0510	18.80	0.4000	18.87	0.4279	0.1552	44	-0.17	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2187	18.81	0.0200	18.87	0.4279	0.1552	44	-0.14	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2124	18.86	0.0900	18.87	0.4279	0.1552	44	-0.04	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2155	18.86	0.2100	18.87	0.4279	0.1552	44	-0.04	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2050	18.92	0.0700	18.87	0.4279	0.1552	44	0.10	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0042	18.93	0.0400	18.87	0.4279	0.1552	44	0.14	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0171	18.94	0.0300	18.87	0.4279	0.1552	44	0.15	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0554	19.01	0.0400	18.87	0.4279	0.1552	44	0.32	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2184	19.03	0.2000	18.87	0.4279	0.1552	44	0.37	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0958	19.10	0.0100	18.87	0.4279	0.1552	44	0.52	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0074	19.10	0.1400	18.87	0.4279	0.1552	44	0.53	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0026	19.11	0.0050	18.87	0.4279	0.1552	44	0.56	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2089	19.14	0.0800	18.87	0.4279	0.1552	44	0.63	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0027	19.14	0.0200	18.87	0.4279	0.1552	44	0.63	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2016	19.16	0.2900	18.87	0.4279	0.1552	44	0.66	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0001	19.24	0.1600	18.87	0.4279	0.1552	44	0.86	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0034	19.24	0.3080	18.87	0.4279	0.1552	44	0.87	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2207	19.31	0.1400	18.87	0.4279	0.1552	44	1.02	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0918	19.37	0.0800	18.87	0.4279	0.1552	44	1.17	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0553	19.39	0.1200	18.87	0.4279	0.1552	44	1.21	1%	0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0504	19.47	0.0700	18.87	0.4279	0.1552	44	1.39	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0876	19.65	0.1000	18.87	0.4279	0.1552	44	1.82	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0407	19.80	0.0810	18.87	0.4279	0.1552	44	2.17	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0417	19.93	0.4800	18.87	0.4279	0.1552	44	2.47	3%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0511	18.27	0.8300	18.87	0.4279	0.1552	44	-1.42	2%	1
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0098	18.90	0.8000	18.87	0.4279	0.1552	44	0.07	0%	1
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2220	33.23	0.1100	18.87	0.4279	0.1552	44	33.54	38%	2
002.08	Protein, Crude, Cu/Ti (%)	0098	18.66	0.2100				2			0
002.08	Protein, Crude, Cu/Ti (%)	2136	18.75	0.1000				2			0
002.10	Protein, Crude, Block dig/distillation (%)	2273	18.28	0.0100				1			0
002.11	Protein, Crude, NIR (%)	0889	16.42	0.4800				2			0
002.11	Protein, Crude, NIR (%)	0553	18.19	0.3300				2			0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2115	3.425	0.1100				1			0
003.01	Fat, Crude, Diethyl Ether Ext (13th ed.), Indirect (%)	0504	3.495	0.1500				1			0
003.06	Fat, Crude, Pet Ether (%)	2033	3.465	0.0700				3			0
003.06	Fat, Crude, Pet Ether (%)	0918	3.535	0.0300				3			0
003.06	Fat, Crude, Pet Ether (%)	2273	5.510	0.1800				3			0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0098	3.795	0.0300	3.838	0.0600	0.0377	4			0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0510	3.800	0.0000	3.838	0.0600	0.0377	4			0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0027	3.832	0.0700	3.838	0.0600	0.0377	4			0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0870	3.925	0.0506	3.838	0.0600	0.0377	4			0
003.10	Fat, Crude, Randall, Pet Ether (%)	0242	3.070	0.1800	3.323	0.1760	0.1544	11	-1.44	4%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0553	3.150	0.0800	3.323	0.1760	0.1544	11	-0.98	3%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2184	3.200	0.0200	3.323	0.1760	0.1544	11	-0.70	2%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2155	3.240	0.2000	3.323	0.1760	0.1544	11	-0.47	1%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2136	3.295	0.2700	3.323	0.1760	0.1544	11	-0.16	0%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0098	3.335	0.0300	3.323	0.1760	0.1544	11	0.07	0%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0619	3.335	0.1500	3.323	0.1760	0.1544	11	0.07	0%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0676	3.410	0.3600	3.323	0.1760	0.1544	11	0.49	1%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0870	3.411	0.0185	3.323	0.1760	0.1544	11	0.50	1%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2162	3.520	0.0400	3.323	0.1760	0.1544	11	1.12	3%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0889	3.895	0.3500	3.323	0.1760	0.1544	11	3.25	9%	0
003.11	Fat, Crude, NIR (%)	0889	3.646	0.0402				2			0
003.11	Fat, Crude, NIR (%)	0553	4.695	0.1900				2			0
003.12	Fat, Crude, Hexane Ext (%)	0171	4.010	0.3200				1			0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	0098	3.510	0.1600				3			0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	0870	3.673	0.0063				3			0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	2089	7.825	0.0100				3			0
003.14	Fat, Crude, Ankom (%)	0554	3.115	0.8300	3.541	0.2277	0.3323	13	-1.87	6%	0
003.14	Fat, Crude, Ankom (%)	0202	3.334	0.1220	3.541	0.2277	0.3323	13	-0.91	3%	0
003.14	Fat, Crude, Ankom (%)	0619	3.370	0.0000	3.541	0.2277	0.3323	13	-0.75	2%	0
003.14	Fat, Crude, Ankom (%)	0876	3.450	0.7000	3.541	0.2277	0.3323	13	-0.40	1%	0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
003.14	Fat, Crude, Ankom (%)	0511	3.460	0.3600	3.541	0.2277	0.3323	13	-0.36	1%	0
003.14	Fat, Crude, Ankom (%)	0034	3.465	0.7900	3.541	0.2277	0.3323	13	-0.33	1%	0
003.14	Fat, Crude, Ankom (%)	2115	3.515	0.0700	3.541	0.2277	0.3323	13	-0.11	0%	0
003.14	Fat, Crude, Ankom (%)	0015	3.520	0.4800	3.541	0.2277	0.3323	13	-0.09	0%	0
003.14	Fat, Crude, Ankom (%)	0529	3.610	0.1000	3.541	0.2277	0.3323	13	0.30	1%	0
003.14	Fat, Crude, Ankom (%)	0407	3.655	0.0580	3.541	0.2277	0.3323	13	0.50	2%	0
003.14	Fat, Crude, Ankom (%)	2207	3.690	0.1200	3.541	0.2277	0.3323	13	0.65	2%	0
003.14	Fat, Crude, Ankom (%)	0171	4.420	0.1000	3.541	0.2277	0.3323	13	3.86	12%	0
003.14	Fat, Crude, Ankom (%)	0074	4.545	0.5900	3.541	0.2277	0.3323	13	4.41	14%	0
003.99	Fat, Crude, Miscellaneous (%)	0880	2.150	0.9000				1			0
004.00	Fiber, Crude, Asbestos Free (%)	0208	9.420	0.3600	9.556	0.1995	0.2675	4			0
004.00	Fiber, Crude, Asbestos Free (%)	0504	9.445	0.2300	9.556	0.1995	0.2675	4			0
004.00	Fiber, Crude, Asbestos Free (%)	2165	9.510	0.1800	9.556	0.1995	0.2675	4			0
004.00	Fiber, Crude, Asbestos Free (%)	0164	9.850	0.3000	9.556	0.1995	0.2675	4			0
004.00	Fiber, Crude, Asbestos Free (%)	0171	6.265	0.3100	9.556	0.1995	0.2675	4			2
004.03	Fiber, Crude, Fritted Glass (%)	2089	7.825	0.0100				2			0
004.03	Fiber, Crude, Fritted Glass (%)	2273	8.775	0.1100				2			0
004.06	Fiber, Crude, Fibertec (%)	0027	9.685	0.0970	10.08	0.3031	0.1274	5			0
004.06	Fiber, Crude, Fibertec (%)	2115	9.955	0.0500	10.08	0.3031	0.1274	5			0
004.06	Fiber, Crude, Fibertec (%)	0918	10.06	0.0100	10.08	0.3031	0.1274	5			0
004.06	Fiber, Crude, Fibertec (%)	0676	10.18	0.1600	10.08	0.3031	0.1274	5			0
004.06	Fiber, Crude, Fibertec (%)	0845	10.51	0.3200	10.08	0.3031	0.1274	5			0
004.07	Fiber, Crude, ANKOM (%)	0242	6.825	0.1300	9.605	0.6587	0.3837	19	-4.22	14%	0
004.07	Fiber, Crude, ANKOM (%)	0202	8.592	1.049	9.605	0.6587	0.3837	19	-1.54	5%	0
004.07	Fiber, Crude, ANKOM (%)	0510	8.650	0.3000	9.605	0.6587	0.3837	19	-1.45	5%	0
004.07	Fiber, Crude, ANKOM (%)	0619	9.015	0.2500	9.605	0.6587	0.3837	19	-0.90	3%	0
004.07	Fiber, Crude, ANKOM (%)	0553	9.125	0.2900	9.605	0.6587	0.3837	19	-0.73	2%	0
004.07	Fiber, Crude, ANKOM (%)	2033	9.200	0.4000	9.605	0.6587	0.3837	19	-0.61	2%	0
004.07	Fiber, Crude, ANKOM (%)	2136	9.505	0.0900	9.605	0.6587	0.3837	19	-0.15	1%	0
004.07	Fiber, Crude, ANKOM (%)	0870	9.557	0.5798	9.605	0.6587	0.3837	19	-0.07	0%	0
004.07	Fiber, Crude, ANKOM (%)	0876	9.750	1.300	9.605	0.6587	0.3837	19	0.22	1%	0
004.07	Fiber, Crude, ANKOM (%)	0407	9.768	0.2207	9.605	0.6587	0.3837	19	0.25	1%	0
004.07	Fiber, Crude, ANKOM (%)	0074	9.825	0.2100	9.605	0.6587	0.3837	19	0.33	1%	0
004.07	Fiber, Crude, ANKOM (%)	0034	9.935	0.3300	9.605	0.6587	0.3837	19	0.50	2%	0
004.07	Fiber, Crude, ANKOM (%)	0042	9.960	0.3600	9.605	0.6587	0.3837	19	0.54	2%	0
004.07	Fiber, Crude, ANKOM (%)	2115	9.960	0.3800	9.605	0.6587	0.3837	19	0.54	2%	0
004.07	Fiber, Crude, ANKOM (%)	2207	9.970	0.1600	9.605	0.6587	0.3837	19	0.55	2%	0
004.07	Fiber, Crude, ANKOM (%)	0554	10.12	0.4800	9.605	0.6587	0.3837	19	0.78	3%	0
004.07	Fiber, Crude, ANKOM (%)	0511	10.15	0.5000	9.605	0.6587	0.3837	19	0.83	3%	0
004.07	Fiber, Crude, ANKOM (%)	2124	10.18	0.1300	9.605	0.6587	0.3837	19	0.87	3%	0
004.07	Fiber, Crude, ANKOM (%)	0529	11.08	0.1300	9.605	0.6587	0.3837	19	2.23	8%	0
004.11	Fiber, Crude, NIR (%)	0553	7.510	0.1200				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			
004.11	Fiber, Crude, NIR (%)	0889	10.44	0.6200				2			0
005.00	Ash, 2h @ 600°C (%)	2115	4.530	0.0400	4.679	0.0828	0.0768	35	-1.80	2%	0
005.00	Ash, 2h @ 600°C (%)	0417	4.545	0.0900	4.679	0.0828	0.0768	35	-1.62	1%	0
005.00	Ash, 2h @ 600°C (%)	2124	4.560	0.0800	4.679	0.0828	0.0768	35	-1.44	1%	0
005.00	Ash, 2h @ 600°C (%)	0407	4.573	0.1095	4.679	0.0828	0.0768	35	-1.28	1%	0
005.00	Ash, 2h @ 600°C (%)	2016	4.590	0.0600	4.679	0.0828	0.0768	35	-1.07	1%	0
005.00	Ash, 2h @ 600°C (%)	0510	4.600	0.0000	4.679	0.0828	0.0768	35	-0.95	1%	0
005.00	Ash, 2h @ 600°C (%)	0914	4.620	0.0600	4.679	0.0828	0.0768	35	-0.71	1%	0
005.00	Ash, 2h @ 600°C (%)	2184	4.625	0.0300	4.679	0.0828	0.0768	35	-0.65	1%	0
005.00	Ash, 2h @ 600°C (%)	2220	4.625	0.1700	4.679	0.0828	0.0768	35	-0.65	1%	0
005.00	Ash, 2h @ 600°C (%)	0171	4.640	0.0200	4.679	0.0828	0.0768	35	-0.47	0%	0
005.00	Ash, 2h @ 600°C (%)	0504	4.640	0.0200	4.679	0.0828	0.0768	35	-0.47	0%	0
005.00	Ash, 2h @ 600°C (%)	0001	4.645	0.0895	4.679	0.0828	0.0768	35	-0.41	0%	0
005.00	Ash, 2h @ 600°C (%)	0870	4.645	0.0919	4.679	0.0828	0.0768	35	-0.41	0%	0
005.00	Ash, 2h @ 600°C (%)	0208	4.650	0.2000	4.679	0.0828	0.0768	35	-0.35	0%	0
005.00	Ash, 2h @ 600°C (%)	0918	4.650	0.0000	4.679	0.0828	0.0768	35	-0.35	0%	0
005.00	Ash, 2h @ 600°C (%)	2162	4.650	0.0200	4.679	0.0828	0.0768	35	-0.35	0%	0
005.00	Ash, 2h @ 600°C (%)	0034	4.667	0.2570	4.679	0.0828	0.0768	35	-0.15	0%	0
005.00	Ash, 2h @ 600°C (%)	0845	4.670	0.0600	4.679	0.0828	0.0768	35	-0.11	0%	0
005.00	Ash, 2h @ 600°C (%)	0164	4.690	0.0200	4.679	0.0828	0.0768	35	0.13	0%	0
005.00	Ash, 2h @ 600°C (%)	0650	4.695	0.2300	4.679	0.0828	0.0768	35	0.19	0%	0
005.00	Ash, 2h @ 600°C (%)	0957	4.695	0.1500	4.679	0.0828	0.0768	35	0.19	0%	0
005.00	Ash, 2h @ 600°C (%)	0051	4.700	0.0000	4.679	0.0828	0.0768	35	0.25	0%	0
005.00	Ash, 2h @ 600°C (%)	2033	4.700	0.0000	4.679	0.0828	0.0768	35	0.25	0%	0
005.00	Ash, 2h @ 600°C (%)	2089	4.710	0.0000	4.679	0.0828	0.0768	35	0.37	0%	0
005.00	Ash, 2h @ 600°C (%)	0511	4.725	0.0100	4.679	0.0828	0.0768	35	0.56	0%	0
005.00	Ash, 2h @ 600°C (%)	0529	4.725	0.0500	4.679	0.0828	0.0768	35	0.56	0%	0
005.00	Ash, 2h @ 600°C (%)	2207	4.735	0.0100	4.679	0.0828	0.0768	35	0.68	1%	0
005.00	Ash, 2h @ 600°C (%)	0242	4.745	0.0300	4.679	0.0828	0.0768	35	0.80	1%	0
005.00	Ash, 2h @ 600°C (%)	0876	4.750	0.3000	4.679	0.0828	0.0768	35	0.86	1%	0
005.00	Ash, 2h @ 600°C (%)	2252	4.770	0.0200	4.679	0.0828	0.0768	35	1.10	1%	0
005.00	Ash, 2h @ 600°C (%)	0042	4.775	0.0700	4.679	0.0828	0.0768	35	1.16	1%	0
005.00	Ash, 2h @ 600°C (%)	2219	4.785	0.0700	4.679	0.0828	0.0768	35	1.28	1%	0
005.00	Ash, 2h @ 600°C (%)	0047	4.800	0.0000	4.679	0.0828	0.0768	35	1.46	1%	0
005.00	Ash, 2h @ 600°C (%)	0098	4.815	0.2100	4.679	0.0828	0.0768	35	1.64	1%	0
005.00	Ash, 2h @ 600°C (%)	2156	4.830	0.1200	4.679	0.0828	0.0768	35	1.82	2%	0
005.00	Ash, 2h @ 600°C (%)	0880	4.345	0.6900	4.679	0.0828	0.0768	35	-4.03	4%	1
005.00	Ash, 2h @ 600°C (%)	0554	5.075	0.6900	4.679	0.0828	0.0768	35	4.78	4%	1
005.03	Ash, Microwave furnace (%)	2187	4.715	0.0100				1			0
005.05	Ash, 3h @ 550°C (%)	2273	4.570	0.0800	4.635	0.0504	0.0340	5			0
005.05	Ash, 3h @ 550°C (%)	2050	4.595	0.0100	4.635	0.0504	0.0340	5			0
005.05	Ash, 3h @ 550°C (%)	0619	4.650	0.0000	4.635	0.0504	0.0340	5			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			
005.05	Ash, 3h @ 550°C (%)	2136	4.675	0.0100	4.635	0.0504	0.0340	5			0
005.05	Ash, 3h @ 550°C (%)	0889	4.685	0.0700	4.635	0.0504	0.0340	5			0
005.11	Ash, NIR (%)	0889	6.680	0.0624				1			0
005.99	Ash, Miscellaneous (%)	2169	4.340	0.2800				3			0
005.99	Ash, Miscellaneous (%)	0202	4.574	0.0240				3			0
005.99	Ash, Miscellaneous (%)	0676	4.630	0.0200				3			0
006.00	Total Sugars, As sucrose (%)	0407	6.484	0.3060				1			0
006.99	Total Sugars, Miscellaneous (%)	0160	3.450	0.1000				1			0
008.02	Fiber, Acid Detergent, Crucible (%)	0964	11.77	0.0900				3			0
008.02	Fiber, Acid Detergent, Crucible (%)	0504	12.25	0.0800				3			0
008.02	Fiber, Acid Detergent, Crucible (%)	0676	16.10	1.290				3			0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0870	9.557	0.5798	11.97	0.7722	0.4963	7	-3.13	10%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0918	11.31	0.3922	11.97	0.7722	0.4963	7	-0.86	3%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0001	12.11	0.3500	11.97	0.7722	0.4963	7	0.17	1%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0619	12.12	0.1100	11.97	0.7722	0.4963	7	0.18	1%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0042	12.18	0.9500	11.97	0.7722	0.4963	7	0.26	1%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0407	12.55	0.9924	11.97	0.7722	0.4963	7	0.74	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0164	12.75	0.1000	11.97	0.7722	0.4963	7	1.00	3%	0
008.99	Fiber, Acid Detergent, Miscellaneous (%)	0511	12.70	0.6000				1			0
009.04	Fiber, Neutral Detergent, Neutral Det-No ENZ Pretreat (%)	0504	36.92	0.3100				1			0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat (%)	0676	39.59	0.4100				2			0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat (%)	0964	40.02	1.014				2			0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0918	35.87	0.4849	37.92	1.270	0.4257	6	-1.62	3%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0870	37.31	0.7124	37.92	1.270	0.4257	6	-0.48	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0001	37.97	0.2200	37.92	1.270	0.4257	6	0.04	0%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0164	38.35	0.1000	37.92	1.270	0.4257	6	0.34	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0619	38.91	0.2100	37.92	1.270	0.4257	6	0.77	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0407	38.98	0.8268	37.92	1.270	0.4257	6	0.84	1%	0
009.99	Fiber, Neutral Detergent, Miscellaneous (%)	0889	27.51	0.0045				1			0
010.03	Moisture, Karl-Fischer (%)	0164	9.250	0.0200				1			0
010.11	Moisture, NIR (%)	0553	9.875	0.1100				2			0
010.11	Moisture, NIR (%)	0889	10.81	0.0100				2			0
010.99	Moisture, Miscellaneous (%)	2089	9.670	0.0800				3			0
010.99	Moisture, Miscellaneous (%)	2169	10.52	0.0400				3			0
010.99	Moisture, Miscellaneous (%)	0914	10.65	0.2300				3			0
011.01	Loss on Drying, 135°C 2hr (%)	0880	8.070	1.420	10.50	0.3578	0.3136	21	-6.78	12%	0
011.01	Loss on Drying, 135°C 2hr (%)	0553	9.955	1.170	10.50	0.3578	0.3136	21	-1.51	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0650	9.960	0.2200	10.50	0.3578	0.3136	21	-1.50	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	2016	10.03	0.9700	10.50	0.3578	0.3136	21	-1.32	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0511	10.23	0.5800	10.50	0.3578	0.3136	21	-0.74	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0208	10.35	0.1000	10.50	0.3578	0.3136	21	-0.41	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0164	10.37	0.2600	10.50	0.3578	0.3136	21	-0.35	1%	0

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011.01	Loss on Drying, 135°C 2hr (%)	0047	10.45	0.3000	10.50	0.3578	0.3136	21	-0.13	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	2033	10.51	0.0700	10.50	0.3578	0.3136	21	0.02	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0870	10.55	0.0190	10.50	0.3578	0.3136	21	0.16	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0407	10.56	0.0550	10.50	0.3578	0.3136	21	0.19	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0171	10.62	0.0300	10.50	0.3578	0.3136	21	0.33	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0098	10.62	0.2200	10.50	0.3578	0.3136	21	0.35	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	2162	10.63	0.0000	10.50	0.3578	0.3136	21	0.37	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0242	10.64	0.0100	10.50	0.3578	0.3136	21	0.39	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0957	10.74	0.4600	10.50	0.3578	0.3136	21	0.68	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	2207	10.77	0.0700	10.50	0.3578	0.3136	21	0.75	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	2184	10.82	0.1500	10.50	0.3578	0.3136	21	0.89	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0051	10.83	0.0800	10.50	0.3578	0.3136	21	0.93	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0510	10.85	0.1000	10.50	0.3578	0.3136	21	0.99	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0202	11.00	0.3020	10.50	0.3578	0.3136	21	1.40	2%	0
011.02	Loss on Drying, 130°C for 2 hours (%)	0554	9.355	0.4300				2			0
011.02	Loss on Drying, 130°C for 2 hours (%)	0417	10.64	0.3700				2			0
012.00	Starch, Polarimetric (Ewers) (%)	0164	18.60	0.4000				1			0
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	0918	10.82	0.1480				3			0
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	0164	12.55	0.9000				3			0
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	0870	15.54	0.9057				3			0
012.03	Starch, Enzymatic-Colorimetric Method, Miscellaneous (%)	2124	14.50	0.6000	15.44	1.411	0.7398	4			0
012.03	Starch, Enzymatic-Colorimetric Method, Miscellaneous (%)	0027	14.63	1.605	15.44	1.411	0.7398	4			0
012.03	Starch, Enzymatic-Colorimetric Method, Miscellaneous (%)	0407	15.12	0.7116	15.44	1.411	0.7398	4			0
012.03	Starch, Enzymatic-Colorimetric Method, Miscellaneous (%)	0889	17.52	0.0425	15.44	1.411	0.7398	4			0
012.04	Starch, Enzymatic-Enzyme Membrane Technology (YSI) (%)	0510	13.65	0.1000				1			0
012.11	Starch, NIR (%)	0889	23.60	0.3523				1			0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0504	1.760	0.1000	5.403	0.9924	0.3800	8	-3.67	34%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2187	4.920	0.4000	5.403	0.9924	0.3800	8	-0.49	4%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2252	4.975	0.8300	5.403	0.9924	0.3800	8	-0.43	4%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2219	5.315	0.2100	5.403	0.9924	0.3800	8	-0.09	1%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2220	5.470	0.4000	5.403	0.9924	0.3800	8	0.07	1%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2156	5.495	0.3300	5.403	0.9924	0.3800	8	0.09	1%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2016	6.535	0.4300	5.403	0.9924	0.3800	8	1.14	10%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0202	6.597	0.3400	5.403	0.9924	0.3800	8	1.20	11%	0
013.02	Fat, Acid Pretreat, Mojonniier, Bak Ext (%)	0407	3.919	0.0123	6.115	0.6651	0.2143	12	-3.30	18%	0
013.02	Fat, Acid Pretreat, Mojonniier, Bak Ext (%)	0650	5.475	0.1300	6.115	0.6651	0.2143	12	-0.96	5%	0
013.02	Fat, Acid Pretreat, Mojonniier, Bak Ext (%)	0098	5.540	0.5000	6.115	0.6651	0.2143	12	-0.86	5%	0
013.02	Fat, Acid Pretreat, Mojonniier, Bak Ext (%)	0957	5.845	0.3100	6.115	0.6651	0.2143	12	-0.41	2%	0
013.02	Fat, Acid Pretreat, Mojonniier, Bak Ext (%)	0870	5.881	0.0899	6.115	0.6651	0.2143	12	-0.35	2%	0
013.02	Fat, Acid Pretreat, Mojonniier, Bak Ext (%)	0208	6.040	0.3000	6.115	0.6651	0.2143	12	-0.11	1%	0
013.02	Fat, Acid Pretreat, Mojonniier, Bak Ext (%)	0164	6.305	0.0900	6.115	0.6651	0.2143	12	0.29	2%	0
013.02	Fat, Acid Pretreat, Mojonniier, Bak Ext (%)	0553	6.320	0.0400	6.115	0.6651	0.2143	12	0.31	2%	0

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013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0914	6.335	0.4100	6.115	0.6651	0.2143	12	0.33	2%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0676	6.470	0.0000	6.115	0.6651	0.2143	12	0.53	3%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0001	6.935	0.1889	6.115	0.6651	0.2143	12	1.23	7%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0171	8.160	0.5000	6.115	0.6651	0.2143	12	3.08	17%	0
013.10	Fat, Acid Pretreat, Soxtec-Acid Hydrolysis (%)	0845	4.160	0.1600				3			0
013.10	Fat, Acid Pretreat, Soxtec-Acid Hydrolysis (%)	2162	4.985	0.1300				3			0
013.10	Fat, Acid Pretreat, Soxtec-Acid Hydrolysis (%)	2124	5.245	0.0300				3			0
013.13	Fat, Acid Pretreat, Ankom- Acid Hydrolysis (%)	0042	7.035	0.0700				2			0
013.13	Fat, Acid Pretreat, Ankom- Acid Hydrolysis (%)	0407	8.039	0.3350				2			0
014.99	Fiber, Total Dietary, Miscellaneous (%)	0227	40.70	0.0000				1			0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0171	8.310	0.9400				2			0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0407	9.462	0.9380				2			0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0918	9.562	0.1000				3			0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0964	11.64	0.5535				3			0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0407	14.01	3.468				3			0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0510	0.0000	0.0000				3			4
015.53	Aluminum, ICP-MS, Microwave (mg / kg (ppm))	0553	11.55	0.3000				2			0
015.53	Aluminum, ICP-MS, Microwave (mg / kg (ppm))	0015	13.33	1.960				2			0
017.41	Boron, ICP, Dry ash (mg / kg (ppm))	0407	2.091	0.4754				1			0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0918	2.450	0.0000				3			0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0407	2.656	0.1574				3			0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0510	3.000	0.0000				3			0
017.53	Boron, ICP-MS, Microwave (mg / kg (ppm))	0015	25.11	8.710				1			0
019.00	Calcium, Ox-Mn04 Vol. (%)	2115	0.0845	0.0050				1			0
019.31	Calcium, AAS, Dry ash (%)	2115	0.0795	0.0010				3			0
019.31	Calcium, AAS, Dry ash (%)	0001	0.1097	0.0215				3			0
019.31	Calcium, AAS, Dry ash (%)	0529	0.1100	0.0400				3			0
019.41	Calcium, ICP, Dry ash (%)	0171	0.1000	0.0000	0.1101	0.0054	0.0017	8	-1.88	5%	0
019.41	Calcium, ICP, Dry ash (%)	0208	0.1060	0.0020	0.1101	0.0054	0.0017	8	-0.76	2%	0
019.41	Calcium, ICP, Dry ash (%)	0051	0.1100	0.0000	0.1101	0.0054	0.0017	8	-0.02	0%	0
019.41	Calcium, ICP, Dry ash (%)	0098	0.1100	0.0000	0.1101	0.0054	0.0017	8	-0.02	0%	0
019.41	Calcium, ICP, Dry ash (%)	0164	0.1100	0.0040	0.1101	0.0054	0.0017	8	-0.02	0%	0
019.41	Calcium, ICP, Dry ash (%)	0511	0.1100	0.0000	0.1101	0.0054	0.0017	8	-0.02	0%	0
019.41	Calcium, ICP, Dry ash (%)	0074	0.1145	0.0070	0.1101	0.0054	0.0017	8	0.82	2%	0
019.41	Calcium, ICP, Dry ash (%)	0407	0.1241	0.0006	0.1101	0.0054	0.0017	8	2.61	6%	0
019.42	Calcium, ICP, Open vessel (%)	2207	0.1150	0.0100				3			0
019.42	Calcium, ICP, Open vessel (%)	0026	0.1335	0.0130				3			0
019.42	Calcium, ICP, Open vessel (%)	0870	1,086	17.00				3			0
019.43	Calcium, ICP, Microwave (%)	0918	0.1055	0.0010	0.1201	0.0107	0.0033	11	-1.36	6%	0
019.43	Calcium, ICP, Microwave (%)	2187	0.1114	0.0037	0.1201	0.0107	0.0033	11	-0.82	4%	0
019.43	Calcium, ICP, Microwave (%)	0042	0.1130	0.0080	0.1201	0.0107	0.0033	11	-0.66	3%	0
019.43	Calcium, ICP, Microwave (%)	0098	0.1150	0.0100	0.1201	0.0107	0.0033	11	-0.47	2%	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	
019.43	Calcium, ICP, Microwave (%)	0964	0.1155	0.0021	0.1201	0.0107	0.0033	11	-0.43	2%	0
019.43	Calcium, ICP, Microwave (%)	0510	0.1200	0.0000	0.1201	0.0107	0.0033	11	-0.01	0%	0
019.43	Calcium, ICP, Microwave (%)	2124	0.1200	0.0000	0.1201	0.0107	0.0033	11	-0.01	0%	0
019.43	Calcium, ICP, Microwave (%)	0407	0.1223	0.0000	0.1201	0.0107	0.0033	11	0.21	1%	0
019.43	Calcium, ICP, Microwave (%)	2089	0.1300	0.0000	0.1201	0.0107	0.0033	11	0.93	4%	0
019.43	Calcium, ICP, Microwave (%)	0027	0.1320	0.0060	0.1201	0.0107	0.0033	11	1.12	5%	0
019.43	Calcium, ICP, Microwave (%)	0202	0.1445	0.0050	0.1201	0.0107	0.0033	11	2.29	10%	0
019.44	Calcium, ICP, Dry ash (%)	2114	0.1046	0.0005	0.1125	0.0047	0.0065	5			0
019.44	Calcium, ICP, Dry ash (%)	2252	0.1125	0.0050	0.1125	0.0047	0.0065	5			0
019.44	Calcium, ICP, Dry ash (%)	2219	0.1140	0.0000	0.1125	0.0047	0.0065	5			0
019.44	Calcium, ICP, Dry ash (%)	2220	0.1150	0.0100	0.1125	0.0047	0.0065	5			0
019.44	Calcium, ICP, Dry ash (%)	2156	0.1165	0.0170	0.1125	0.0047	0.0065	5			0
019.52	Calcium, ICP-MS, Open vessel (%)	0047	1.170	0.0000				1			0
019.53	Calcium, ICP-MS, Microwave (%)	2273	0.1018	0.0014				3			0
019.53	Calcium, ICP-MS, Microwave (%)	0015	0.1150	0.0100				3			0
019.53	Calcium, ICP-MS, Microwave (%)	0553	0.1175	0.0030				3			0
019.99	Calcium, Miscellaneous (%)	0676	0.1050	0.0100				3			0
019.99	Calcium, Miscellaneous (%)	0242	0.1150	0.0100				3			0
019.99	Calcium, Miscellaneous (%)	0619	0.1260	0.0020				3			0
021.31	Cobalt, AAS, Dry ash (mg / kg (ppm))	0164	< 3					0			5
021.41	Cobalt, ICP, Dry ash (mg / kg (ppm))	0171	0.0998	0.0015				2			0
021.41	Cobalt, ICP, Dry ash (mg / kg (ppm))	0407	0.2492	0.0540				2			0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0964	0.0704	0.0092				3			0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0510	0.1500	0.0200				3			0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0407	0.2091	0.0773				3			0
021.53	Cobalt, ICP-MS, Microwave (mg / kg (ppm))	0553	0.0842	0.0083				3			0
021.53	Cobalt, ICP-MS, Microwave (mg / kg (ppm))	2273	0.0853	0.0015				3			0
021.53	Cobalt, ICP-MS, Microwave (mg / kg (ppm))	0015	0.1100	0.0000				3			0
021.53	Cobalt, ICP-MS, Microwave (mg / kg (ppm))	0918	0.7610	0.0088				3			2
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0529	11.85	1.900				2			0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	2115	16.68	0.2800				2			0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0511	10.50	1.000	12.41	1.136	1.159	7	-1.68	8%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0171	12.08	0.1100	12.41	1.136	1.159	7	-0.29	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0051	12.11	0.9400	12.41	1.136	1.159	7	-0.26	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0098	12.35	0.7100	12.41	1.136	1.159	7	-0.05	0%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0164	12.50	1.000	12.41	1.136	1.159	7	0.08	0%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0074	13.00	2.000	12.41	1.136	1.159	7	0.52	2%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0407	16.36	2.351	12.41	1.136	1.159	7	3.48	16%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0026	8.808	2.693				3			0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	2207	11.00	0.0000				3			0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0870	12.45	0.7600				3			0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0918	11.54	0.0100	12.90	1.219	0.6129	10	-1.12	5%	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	
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0098	11.65	0.6600	12.90	1.219	0.6129	10	-1.03	5%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0407	12.11	0.3635	12.90	1.219	0.6129	10	-0.65	3%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	2124	12.15	0.0800	12.90	1.219	0.6129	10	-0.62	3%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0964	12.61	0.7754	12.90	1.219	0.6129	10	-0.24	1%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0510	13.00	0.0000	12.90	1.219	0.6129	10	0.08	0%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0027	13.34	0.4690	12.90	1.219	0.6129	10	0.35	2%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0042	13.85	2.100	12.90	1.219	0.6129	10	0.78	4%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	2089	14.14	1.510	12.90	1.219	0.6129	10	1.01	5%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0202	14.65	0.1610	12.90	1.219	0.6129	10	1.44	7%	0
022.44	Copper, ICP, Dry ash (mg / kg (ppm))	2114	8.879	0.3005				1			0
022.52	Copper, ICP-MS, Open vessel (mg / kg (ppm))	0047	11.40	0.2000				1			0
022.53	Copper, ICP-MS, Microwave (mg / kg (ppm))	2273	11.13	0.0449	11.67	0.8432	0.7042	4			0
022.53	Copper, ICP-MS, Microwave (mg / kg (ppm))	0914	11.18	1.782	11.67	0.8432	0.7042	4			0
022.53	Copper, ICP-MS, Microwave (mg / kg (ppm))	0553	11.45	0.7000	11.67	0.8432	0.7042	4			0
022.53	Copper, ICP-MS, Microwave (mg / kg (ppm))	0015	12.92	0.2900	11.67	0.8432	0.7042	4			0
022.99	Copper, Miscellaneous (mg / kg (ppm))	0242	10.00	0.0000				2			0
022.99	Copper, Miscellaneous (mg / kg (ppm))	0619	12.55	0.5000				2			0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0529	135.7	10.40				3			0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0001	149.2	16.00				3			0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	2115	169.8	4.850				3			0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0511	125.5	1.000	134.8	6.758	1.446	7	-1.38	3%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0051	130.5	1.000	134.8	6.758	1.446	7	-0.64	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0164	131.5	1.000	134.8	6.758	1.446	7	-0.49	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0074	135.5	1.000	134.8	6.758	1.446	7	0.10	0%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0098	138.1	0.1000	134.8	6.758	1.446	7	0.48	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0171	140.7	3.800	134.8	6.758	1.446	7	0.87	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0407	142.0	2.222	134.8	6.758	1.446	7	1.06	3%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0026	110.7	11.65				3			0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0870	136.4	0.7000				3			0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	2207	137.0	2.000				3			0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0918	130.5	1.300	141.7	7.749	3.835	8	-1.45	4%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0510	137.0	0.0000	141.7	7.749	3.835	8	-0.60	2%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0964	137.9	3.942	141.7	7.749	3.835	8	-0.49	1%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0407	140.9	0.3000	141.7	7.749	3.835	8	-0.10	0%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0098	143.8	3.400	141.7	7.749	3.835	8	0.27	1%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0027	144.1	3.741	141.7	7.749	3.835	8	0.31	1%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2124	146.0	4.000	141.7	7.749	3.835	8	0.56	2%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0042	157.0	14.00	141.7	7.749	3.835	8	1.98	5%	0
025.52	Iron, ICP-MS, Open vessel (mg / kg (ppm))	0047	128.2	2.100				1			0
025.53	Iron, ICP-MS, Microwave (mg / kg (ppm))	0553	123.0	20.00				3			0
025.53	Iron, ICP-MS, Microwave (mg / kg (ppm))	2273	129.6	1.440				3			0
025.53	Iron, ICP-MS, Microwave (mg / kg (ppm))	0015	149.3	1.630				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			
025.99	Iron, Miscellaneous (mg / kg (ppm))	2114	125.4	0.5057				3			0
025.99	Iron, Miscellaneous (mg / kg (ppm))	0242	135.0	0.0000				3			0
025.99	Iron, Miscellaneous (mg / kg (ppm))	0619	150.0	4.000				3			0
027.31	Magnesium, AAS, Dry ash (%)	2115	0.4235	0.0027				3			0
027.31	Magnesium, AAS, Dry ash (%)	0529	0.4360	0.0220				3			0
027.31	Magnesium, AAS, Dry ash (%)	0001	0.4527	0.0069				3			0
027.41	Magnesium, ICP, Dry ash (%)	0051	0.3869	0.0041	0.4236	0.0183	0.0073	8	-2.01	4%	0
027.41	Magnesium, ICP, Dry ash (%)	0407	0.4089	0.0171	0.4236	0.0183	0.0073	8	-0.80	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0511	0.4200	0.0000	0.4236	0.0183	0.0073	8	-0.19	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0074	0.4240	0.0040	0.4236	0.0183	0.0073	8	0.02	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0208	0.4265	0.0110	0.4236	0.0183	0.0073	8	0.16	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0098	0.4300	0.0000	0.4236	0.0183	0.0073	8	0.35	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0164	0.4330	0.0220	0.4236	0.0183	0.0073	8	0.52	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0171	0.4500	0.0000	0.4236	0.0183	0.0073	8	1.45	3%	0
027.42	Magnesium, ICP, Open vessel (%)	0026	0.3845	0.0030				3			0
027.42	Magnesium, ICP, Open vessel (%)	2207	0.4250	0.0100				3			0
027.42	Magnesium, ICP, Open vessel (%)	0870	4,098	187.0				3			0
027.43	Magnesium, ICP, Microwave (%)	0202	0.4040	0.0020	0.4312	0.0198	0.0090	11	-1.38	3%	0
027.43	Magnesium, ICP, Microwave (%)	0918	0.4055	0.0030	0.4312	0.0198	0.0090	11	-1.30	3%	0
027.43	Magnesium, ICP, Microwave (%)	0407	0.4148	0.0024	0.4312	0.0198	0.0090	11	-0.83	2%	0
027.43	Magnesium, ICP, Microwave (%)	0098	0.4250	0.0100	0.4312	0.0198	0.0090	11	-0.31	1%	0
027.43	Magnesium, ICP, Microwave (%)	2187	0.4284	0.0085	0.4312	0.0198	0.0090	11	-0.14	0%	0
027.43	Magnesium, ICP, Microwave (%)	2089	0.4300	0.0000	0.4312	0.0198	0.0090	11	-0.06	0%	0
027.43	Magnesium, ICP, Microwave (%)	0964	0.4408	0.0103	0.4312	0.0198	0.0090	11	0.48	1%	0
027.43	Magnesium, ICP, Microwave (%)	0042	0.4455	0.0330	0.4312	0.0198	0.0090	11	0.73	2%	0
027.43	Magnesium, ICP, Microwave (%)	0027	0.4490	0.0100	0.4312	0.0198	0.0090	11	0.90	2%	0
027.43	Magnesium, ICP, Microwave (%)	0510	0.4500	0.0000	0.4312	0.0198	0.0090	11	0.95	2%	0
027.43	Magnesium, ICP, Microwave (%)	2124	0.4500	0.0200	0.4312	0.0198	0.0090	11	0.95	2%	0
027.44	Magnesium, ICP, Dry ash (%)	2220	0.4000	0.0200	0.4040	0.0041	0.0120	4			0
027.44	Magnesium, ICP, Dry ash (%)	2219	0.4010	0.0160	0.4040	0.0041	0.0120	4			0
027.44	Magnesium, ICP, Dry ash (%)	2156	0.4070	0.0100	0.4040	0.0041	0.0120	4			0
027.44	Magnesium, ICP, Dry ash (%)	2252	0.4080	0.0020	0.4040	0.0041	0.0120	4			0
027.44	Magnesium, ICP, Dry ash (%)	2114	0.4530	0.0010	0.4040	0.0041	0.0120	4			2
027.52	Magnesium, ICP-MS, Open vessel (%)	0047	0.4960	0.0020				1			0
027.53	Magnesium, ICP-MS, Microwave (%)	2273	0.4110	0.0046				3			0
027.53	Magnesium, ICP-MS, Microwave (%)	0015	0.4300	0.0000				3			0
027.53	Magnesium, ICP-MS, Microwave (%)	0553	0.4480	0.0080				3			0
027.99	Magnesium, Miscellaneous (%)	0242	0.4450	0.0100				2			0
027.99	Magnesium, Miscellaneous (%)	0619	0.4800	0.0040				2			0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0529	150.5	5.000				3			0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0001	168.5	0.1000				3			0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	2115	176.4	0.4900				3			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	
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0164	157.0	4.000	165.1	5.805	2.012	7	-1.40	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0051	162.5	0.2700	165.1	5.805	2.012	7	-0.44	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0511	163.0	0.0000	165.1	5.805	2.012	7	-0.36	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0074	165.0	0.0000	165.1	5.805	2.012	7	-0.02	0%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0171	165.5	0.4000	165.1	5.805	2.012	7	0.07	0%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0407	170.6	7.812	165.1	5.805	2.012	7	0.94	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0098	172.2	1.600	165.1	5.805	2.012	7	1.22	2%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0026	145.8	5.111				3			0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0870	164.1	2.200				3			0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	2207	164.5	3.000				3			0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0918	152.8	0.1800	179.0	7.651	2.809	9	-3.42	7%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2089	175.6	3.420	179.0	7.651	2.809	9	-0.44	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0510	176.0	4.000	179.0	7.651	2.809	9	-0.39	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0964	177.5	4.624	179.0	7.651	2.809	9	-0.19	0%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0042	178.5	5.000	179.0	7.651	2.809	9	-0.06	0%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0098	178.7	0.9000	179.0	7.651	2.809	9	-0.04	0%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2124	178.7	4.300	179.0	7.651	2.809	9	-0.04	0%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0027	188.4	1.529	179.0	7.651	2.809	9	1.24	3%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0202	189.9	1.331	179.0	7.651	2.809	9	1.43	3%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0407	180.4	15.59	179.0	7.651	2.809	9	0.19	0%	1
028.44	Manganese, ICP, Dry ash (mg / kg (ppm))	2114	176.6	2.171				1			0
028.52	Manganese, ICP-MS, Open vessel (mg / kg (ppm))	0047	173.2	5.600				1			0
028.53	Manganese, ICP-MS, Microwave (mg / kg (ppm))	0553	151.0	28.00				3			0
028.53	Manganese, ICP-MS, Microwave (mg / kg (ppm))	2273	167.1	3.420				3			0
028.53	Manganese, ICP-MS, Microwave (mg / kg (ppm))	0015	177.1	9.970				3			0
028.99	Manganese, Miscellaneous (mg / kg (ppm))	0242	170.0	2.000				2			0
028.99	Manganese, Miscellaneous (mg / kg (ppm))	0619	192.5	1.000				2			0
031.01	Phosphorus, Photometric (%)	2156	0.8480	0.0080	0.8774	0.0296	0.0128	8	-0.99	2%	0
031.01	Phosphorus, Photometric (%)	2219	0.8530	0.0200	0.8774	0.0296	0.0128	8	-0.82	1%	0
031.01	Phosphorus, Photometric (%)	2220	0.8550	0.0300	0.8774	0.0296	0.0128	8	-0.76	1%	0
031.01	Phosphorus, Photometric (%)	2252	0.8655	0.0110	0.8774	0.0296	0.0128	8	-0.40	1%	0
031.01	Phosphorus, Photometric (%)	0208	0.8825	0.0030	0.8774	0.0296	0.0128	8	0.17	0%	0
031.01	Phosphorus, Photometric (%)	0511	0.8900	0.0200	0.8774	0.0296	0.0128	8	0.43	1%	0
031.01	Phosphorus, Photometric (%)	2115	0.9100	0.0000	0.8774	0.0296	0.0128	8	1.10	2%	0
031.01	Phosphorus, Photometric (%)	0529	0.9150	0.0100	0.8774	0.0296	0.0128	8	1.27	2%	0
031.03	Phosphorus, Autoanalyzer (%)	0001	0.9315	0.0110				1			0
031.41	Phosphorus, ICP, Dry ash (%)	0171	0.8750	0.0100	0.9113	0.0318	0.0190	8	-1.14	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0164	0.8795	0.0090	0.9113	0.0318	0.0190	8	-1.00	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0051	0.8948	0.0234	0.9113	0.0318	0.0190	8	-0.52	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0098	0.8979	0.0021	0.9113	0.0318	0.0190	8	-0.42	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0208	0.9270	0.0240	0.9113	0.0318	0.0190	8	0.49	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0074	0.9275	0.0150	0.9113	0.0318	0.0190	8	0.51	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			
031.41	Phosphorus, ICP, Dry ash (%)	2114	0.9433	0.0165	0.9113	0.0318	0.0190	8	1.00	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0407	0.9457	0.0516	0.9113	0.0318	0.0190	8	1.08	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	2207	0.9000	0.0200				3			0
031.42	Phosphorus, ICP, Open vessel (%)	0047	0.9100	0.0200				3			0
031.42	Phosphorus, ICP, Open vessel (%)	0026	0.9480	0.0920				3			0
031.42	Phosphorus, ICP, Open vessel (%)	0870	9.451	97.00				3			2
031.43	Phosphorus, ICP, Microwave (%)	2187	0.8203	0.0167	0.9185	0.0530	0.0151	11	-1.85	5%	0
031.43	Phosphorus, ICP, Microwave (%)	2089	0.8550	0.0100	0.9185	0.0530	0.0151	11	-1.20	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0918	0.8920	0.0000	0.9185	0.0530	0.0151	11	-0.50	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0042	0.9005	0.0350	0.9185	0.0530	0.0151	11	-0.34	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0098	0.9023	0.0136	0.9185	0.0530	0.0151	11	-0.31	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0964	0.9063	0.0189	0.9185	0.0530	0.0151	11	-0.23	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0202	0.9430	0.0120	0.9185	0.0530	0.0151	11	0.46	1%	0
031.43	Phosphorus, ICP, Microwave (%)	2124	0.9550	0.0300	0.9185	0.0530	0.0151	11	0.69	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0510	0.9650	0.0100	0.9185	0.0530	0.0151	11	0.88	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0407	0.9673	0.0070	0.9185	0.0530	0.0151	11	0.92	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0027	0.9785	0.0130	0.9185	0.0530	0.0151	11	1.13	3%	0
031.53	Phosphorus, ICP-MS, Microwave (%)	0015	0.8350	0.0300				3			0
031.53	Phosphorus, ICP-MS, Microwave (%)	2273	0.8675	0.0123				3			0
031.53	Phosphorus, ICP-MS, Microwave (%)	0553	0.9270	0.0260				3			0
031.99	Phosphorus, Miscellaneous (%)	0676	0.8600	0.0000				3			0
031.99	Phosphorus, Miscellaneous (%)	0242	0.9400	0.0000				3			0
031.99	Phosphorus, Miscellaneous (%)	0619	1.020	0.0000				3			0
032.31	Potassium, AAS, Dry ash (%)	2115	1.124	0.0160				2			0
032.31	Potassium, AAS, Dry ash (%)	0529	1.140	0.0600				2			0
032.41	Potassium, ICP, Dry ash (%)	0051	1.160	0.0077	1.215	0.0513	0.0201	7	-1.07	2%	0
032.41	Potassium, ICP, Dry ash (%)	0164	1.170	0.0000	1.215	0.0513	0.0201	7	-0.88	2%	0
032.41	Potassium, ICP, Dry ash (%)	0074	1.180	0.0200	1.215	0.0513	0.0201	7	-0.68	1%	0
032.41	Potassium, ICP, Dry ash (%)	0171	1.220	0.0000	1.215	0.0513	0.0201	7	0.10	0%	0
032.41	Potassium, ICP, Dry ash (%)	0098	1.250	0.0200	1.215	0.0513	0.0201	7	0.68	1%	0
032.41	Potassium, ICP, Dry ash (%)	0511	1.250	0.0400	1.215	0.0513	0.0201	7	0.68	1%	0
032.41	Potassium, ICP, Dry ash (%)	0407	1.275	0.0533	1.215	0.0513	0.0201	7	1.16	2%	0
032.42	Potassium, ICP, Open vessel (%)	0026	1.057	0.0360				3			0
032.42	Potassium, ICP, Open vessel (%)	0047	1.150	0.1000				3			0
032.42	Potassium, ICP, Open vessel (%)	2207	1.195	0.0300				3			0
032.42	Potassium, ICP, Open vessel (%)	0870	11.615	530.0				3			2
032.43	Potassium, ICP, Microwave (%)	0964	1.042	0.0149	1.211	0.0489	0.0211	11	-3.47	7%	0
032.43	Potassium, ICP, Microwave (%)	2187	1.163	0.0008	1.211	0.0489	0.0211	11	-1.00	2%	0
032.43	Potassium, ICP, Microwave (%)	0918	1.163	0.0220	1.211	0.0489	0.0211	11	-0.99	2%	0
032.43	Potassium, ICP, Microwave (%)	0098	1.210	0.0200	1.211	0.0489	0.0211	11	-0.03	0%	0
032.43	Potassium, ICP, Microwave (%)	0202	1.212	0.0000	1.211	0.0489	0.0211	11	0.01	0%	0
032.43	Potassium, ICP, Microwave (%)	2089	1.215	0.0100	1.211	0.0489	0.0211	11	0.07	0%	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	
032.43	Potassium, ICP, Microwave (%)	0042	1.220	0.0000	1.211	0.0489	0.0211	11	0.18	0%	0
032.43	Potassium, ICP, Microwave (%)	0510	1.220	0.0400	1.211	0.0489	0.0211	11	0.18	0%	0
032.43	Potassium, ICP, Microwave (%)	0027	1.245	0.0260	1.211	0.0489	0.0211	11	0.69	1%	0
032.43	Potassium, ICP, Microwave (%)	2124	1.255	0.0300	1.211	0.0489	0.0211	11	0.89	2%	0
032.43	Potassium, ICP, Microwave (%)	0407	1.284	0.0680	1.211	0.0489	0.0211	11	1.49	3%	0
032.44	Potassium, ICP, Dry ash (%)	2219	1.121	0.0040	1.148	0.0249	0.0227	5			0
032.44	Potassium, ICP, Dry ash (%)	2220	1.130	0.0200	1.148	0.0249	0.0227	5			0
032.44	Potassium, ICP, Dry ash (%)	2156	1.152	0.0410	1.148	0.0249	0.0227	5			0
032.44	Potassium, ICP, Dry ash (%)	2252	1.154	0.0330	1.148	0.0249	0.0227	5			0
032.44	Potassium, ICP, Dry ash (%)	2114	1.185	0.0155	1.148	0.0249	0.0227	5			0
032.53	Potassium, ICP-MS, Microwave (%)	0553	1.180	0.1200				3			0
032.53	Potassium, ICP-MS, Microwave (%)	2273	1.182	0.0024				3			0
032.53	Potassium, ICP-MS, Microwave (%)	0015	1.185	0.0500				3			0
032.99	Potassium, Miscellaneous (%)	0242	1.180	0.0000				3			0
032.99	Potassium, Miscellaneous (%)	0001	1.211	0.0150				3			0
032.99	Potassium, Miscellaneous (%)	0619	1.220	0.0400				3			0
033.01	Salt as chloride, Poten Cl (%)	0650	0.0700	0.0000	0.0947	0.0172	0.0000	4			0
033.01	Salt as chloride, Poten Cl (%)	0510	0.0989	0.0000	0.0947	0.0172	0.0000	4			0
033.01	Salt as chloride, Poten Cl (%)	0242	0.1000	0.0000	0.0947	0.0172	0.0000	4			0
033.01	Salt as chloride, Poten Cl (%)	0098	0.1100	0.0000	0.0947	0.0172	0.0000	4			0
033.01	Salt as chloride, Poten Cl (%)	0407	0.0930	0.0040	0.0947	0.0172	0.0000	4			1
033.01	Salt as chloride, Poten Cl (%)	0164	< 0.1		0.0947	0.0172	0.0000	4			5
033.05	Salt as chloride, Ion Sel Electrode (%)	0171	0.1050	0.0100				2			0
033.05	Salt as chloride, Ion Sel Electrode (%)	2273	0.1057	0.0039				2			0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0171	0.1443	0.0367				1			0
034.41	Selenium, ICP, Dry ash (mg / kg (ppm))	0619	0.0505	0.0030				2			0
034.41	Selenium, ICP, Dry ash (mg / kg (ppm))	0407	1.010	0.7200				2			0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	0407	0.9350	0.3500				1			0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	2124	< 1					1			5
034.52	Selenium, ICP-MS, Open vessel (mg / kg (ppm))	2207	0.2000	0.0000				2			0
034.52	Selenium, ICP-MS, Open vessel (mg / kg (ppm))	0047	0.2050	0.1500				2			0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0553	0.0722	0.0030	0.1131	0.0502	0.0311	4			0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	2273	0.0769	0.0017	0.1131	0.0502	0.0311	4			0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0918	0.1235	0.0396	0.1131	0.0502	0.0311	4			0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0015	0.1800	0.0800	0.1131	0.0502	0.0311	4			0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0164	< 0.1		0.1131	0.0502	0.0311	4			5
035.41	Sodium, ICP, Dry ash (%)	0098	0.0045	0.0002	0.0103	0.0054	0.0020	8	-1.08	28%	0
035.41	Sodium, ICP, Dry ash (%)	0164	0.0045	0.0010	0.0103	0.0054	0.0020	8	-1.08	28%	0
035.41	Sodium, ICP, Dry ash (%)	0171	0.0070	0.0000	0.0103	0.0054	0.0020	8	-0.61	16%	0
035.41	Sodium, ICP, Dry ash (%)	0407	0.0081	0.0005	0.0103	0.0054	0.0020	8	-0.42	11%	0
035.41	Sodium, ICP, Dry ash (%)	0051	0.0137	0.0013	0.0103	0.0054	0.0020	8	0.63	16%	0
035.41	Sodium, ICP, Dry ash (%)	2219	0.0145	0.0050	0.0103	0.0054	0.0020	8	0.79	21%	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	
035.41	Sodium, ICP, Dry ash (%)	2220	0.0150	0.0040	0.0103	0.0054	0.0020	8	0.88	23%	0
035.41	Sodium, ICP, Dry ash (%)	2252	0.0150	0.0040	0.0103	0.0054	0.0020	8	0.88	23%	0
035.41	Sodium, ICP, Dry ash (%)	2156	0.0175	0.0190	0.0103	0.0054	0.0020	8	1.35	35%	1
035.42	Sodium, ICP, Open vessel (%)	0870	79.22	0.2100				1			0
035.43	Sodium, ICP, Microwave (%)	2124	0.0033	0.0005	0.0079	0.0069	0.0004	5			0
035.43	Sodium, ICP, Microwave (%)	0098	0.0044	0.0005	0.0079	0.0069	0.0004	5			0
035.43	Sodium, ICP, Microwave (%)	0407	0.0052	0.0001	0.0079	0.0069	0.0004	5			0
035.43	Sodium, ICP, Microwave (%)	0510	0.0065	0.0010	0.0079	0.0069	0.0004	5			0
035.43	Sodium, ICP, Microwave (%)	2089	0.0200	0.0000	0.0079	0.0069	0.0004	5			0
035.43	Sodium, ICP, Microwave (%)	0202	0.0235	0.0030	0.0079	0.0069	0.0004	5			1
035.43	Sodium, ICP, Microwave (%)	0918	< 0.014		0.0079	0.0069	0.0004	5			5
035.53	Sodium, ICP-MS, Microwave (%)	2273	0.0020	0.0000				3			0
035.53	Sodium, ICP-MS, Microwave (%)	0553	0.0024	0.0006				3			0
035.53	Sodium, ICP-MS, Microwave (%)	0015	0.0035	0.0010				3			0
035.99	Sodium, Miscellaneous (%)	0242	< 0.01					0			5
036.42	Sulfur, ICP, Open vessel (%)	0164	0.2150	0.0100				3			0
036.42	Sulfur, ICP, Open vessel (%)	0171	0.2400	0.0000				3			0
036.42	Sulfur, ICP, Open vessel (%)	0870	2,043	137.0				3			0
036.43	Sulfur, ICP, Microwave (%)	2089	0.2050	0.0100	0.2221	0.0182	0.0040	6	-0.94	4%	0
036.43	Sulfur, ICP, Microwave (%)	0918	0.2110	0.0020	0.2221	0.0182	0.0040	6	-0.61	2%	0
036.43	Sulfur, ICP, Microwave (%)	0407	0.2151	0.0042	0.2221	0.0182	0.0040	6	-0.38	2%	0
036.43	Sulfur, ICP, Microwave (%)	0098	0.2211	0.0019	0.2221	0.0182	0.0040	6	-0.06	0%	0
036.43	Sulfur, ICP, Microwave (%)	0202	0.2310	0.0060	0.2221	0.0182	0.0040	6	0.49	2%	0
036.43	Sulfur, ICP, Microwave (%)	0510	0.2500	0.0000	0.2221	0.0182	0.0040	6	1.53	6%	0
036.53	Sulfur, ICP-MS, Microwave (%)	2273	0.2193	0.0024				3			0
036.53	Sulfur, ICP-MS, Microwave (%)	0553	0.2240	0.0240				3			0
036.53	Sulfur, ICP-MS, Microwave (%)	0015	0.2750	0.0100				3			0
036.99	Sulfur, Miscellaneous (%)	0242	0.2000	0.0000				1			0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0529	77.20	1.200				3			0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	2115	81.45	0.8000				3			0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0001	82.88	2.760				3			0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0511	75.00	2.000	81.28	7.233	2.162	6	-0.87	4%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0171	76.30	0.2000	81.28	7.233	2.162	6	-0.69	3%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0164	78.50	1.000	81.28	7.233	2.162	6	-0.38	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0051	79.34	1.800	81.28	7.233	2.162	6	-0.27	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0098	89.02	3.800	81.28	7.233	2.162	6	1.07	5%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0407	89.51	4.175	81.28	7.233	2.162	6	1.14	5%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0074	92.50	17.00	81.28	7.233	2.162	6	1.55	7%	1
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	2207	80.00	2.000				3			0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0026	80.30	4.405				3			0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0870	87.41	0.3600				3			0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0918	74.81	1.070	88.14	6.707	2.504	10	-1.99	8%	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	
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0964	83.06	2.081	88.14	6.707	2.504	10	-0.76	3%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2124	83.41	0.3500	88.14	6.707	2.504	10	-0.71	3%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2089	83.95	2.580	88.14	6.707	2.504	10	-0.63	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0042	88.05	8.100	88.14	6.707	2.504	10	-0.01	0%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0407	89.16	0.5190	88.14	6.707	2.504	10	0.15	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0202	91.40	0.4570	88.14	6.707	2.504	10	0.49	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0027	93.29	0.1950	88.14	6.707	2.504	10	0.77	3%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0510	95.00	2.000	88.14	6.707	2.504	10	1.02	4%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0098	96.06	7.690	88.14	6.707	2.504	10	1.18	4%	0
037.44	Zinc, ICP, Dry ash (mg / kg (ppm))	2114	76.61	3.563				1			0
037.52	Zinc, ICP-MS, Open vessel (mg / kg (ppm))	0047	80.00	1.800				1			0
037.53	Zinc, ICP-MS, Microwave (mg / kg (ppm))	2273	74.47	0.1500				3			0
037.53	Zinc, ICP-MS, Microwave (mg / kg (ppm))	0553	80.75	6.500				3			0
037.53	Zinc, ICP-MS, Microwave (mg / kg (ppm))	0015	83.16	1.610				3			0
037.99	Zinc, Miscellaneous (mg / kg (ppm))	0242	76.00	0.0000				2			0
037.99	Zinc, Miscellaneous (mg / kg (ppm))	0619	86.30	0.4000				2			0
038.41	Molybdenum, ICP, Dry ash (mg / kg (ppm))	0171	0.3450	0.0020				2			0
038.41	Molybdenum, ICP, Dry ash (mg / kg (ppm))	0407	0.4034	0.0089				2			0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0964	0.3414	0.0015				3			0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0407	0.3945	0.0345				3			0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0510	0.4000	0.0000				3			0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	2273	0.3701	0.0004	0.3958	0.0213	0.0062	4			0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	0164	0.3870	0.0120	0.3958	0.0213	0.0062	4			0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	0553	0.4090	0.0080	0.3958	0.0213	0.0062	4			0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	0918	0.4169	0.0044	0.3958	0.0213	0.0062	4			0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	0015	0.5400	0.0000	0.3958	0.0213	0.0062	4			2
040.53	Barium, ICP-MS, Microwave (mg / kg (ppm))	0015	19.50	0.9000				2			0
040.53	Barium, ICP-MS, Microwave (mg / kg (ppm))	0918	21.14	0.0412				2			0
041.53	Vanadium, ICP-MS, Microwave (mg / kg (ppm))	0553	0.0295	0.0070				2			0
041.53	Vanadium, ICP-MS, Microwave (mg / kg (ppm))	0015	0.0500	0.0200				2			0
042.00	Chloride, Titrimetric (%)	2124	0.0605	0.0010				1			0
101.02	Choline Chloride, LC (mg / kg (ppm))	0227	1,720	80.00				1			0
102.01	Niacin, Microbiological (mg / kg (ppm))	0227	147.0	4.000				1			0
102.02	Niacin, LC (mg / kg (ppm))	2124	21.35	0.7400				1			0
103.01	Pantothenic Acid, Microbiological (mg / kg (ppm))	0227	16.65	0.5000				1			0
103.02	Pantothenic Acid, LC (mg / kg (ppm))	2124	16.02	0.1100				1			0
104.00	Riboflavin, Fluorometric (mg / kg (ppm))	0227	3.010	0.5000				1			0
104.03	Riboflavin, LC (mg / kg (ppm))	2124	2.395	0.0100				1			0
105.00	Thiamine, LC (mg / kg (ppm))	2124	50.82	2.220				1			0
105.01	Thiamine, Fluorometer (mg / kg (ppm))	0227	8.830	0.1800				1			0
107.00	Vitamin B12, Microbiological (µg / kg (ppb))	0227	< 4.4					0			5
109.02	Vitamin E, LC (IU / kg)	0227	29.90	2.200				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			
112.01	Pyridoxine, LC (µg / g)	2124	1.540	0.0200				2		0	
112.01	Pyridoxine, LC (µg / g)	0227	8.440	0.7200				2		0	
113.01	Folic Acid, Micro (mg / kg (ppm))	0227	1.400	0.0600				1		0	
120.00	Alanine, Post-col Ninhydrin Der (%)	0918	0.7607	0.0038	0.8297	0.0414	0.0130	5		0	
120.00	Alanine, Post-col Ninhydrin Der (%)	0504	0.8250	0.0100	0.8297	0.0414	0.0130	5		0	
120.00	Alanine, Post-col Ninhydrin Der (%)	0227	0.8450	0.0100	0.8297	0.0414	0.0130	5		0	
120.00	Alanine, Post-col Ninhydrin Der (%)	0870	0.8510	0.0133	0.8297	0.0414	0.0130	5		0	
120.00	Alanine, Post-col Ninhydrin Der (%)	0619	0.8670	0.0280	0.8297	0.0414	0.0130	5		0	
120.05	Alanine, Pre-col AQC Der (%)	0676	0.8650	0.0700				2		0	
120.05	Alanine, Pre-col AQC Der (%)	0407	0.9790	0.3080				2		0	
120.99	Alanine, Miscellaneous (%)	0889	0.7760	0.0089				1		0	
121.00	Arginine, Post-col Ninhydrin Der (%)	0918	1.100	0.0091	1.193	0.0605	0.0159	5		0	
121.00	Arginine, Post-col Ninhydrin Der (%)	0227	1.190	0.0200	1.193	0.0605	0.0159	5		0	
121.00	Arginine, Post-col Ninhydrin Der (%)	0504	1.190	0.0200	1.193	0.0605	0.0159	5		0	
121.00	Arginine, Post-col Ninhydrin Der (%)	0870	1.222	0.0205	1.193	0.0605	0.0159	5		0	
121.00	Arginine, Post-col Ninhydrin Der (%)	0619	1.265	0.0100	1.193	0.0605	0.0159	5		0	
121.05	Arginine, Pre-col AQC Der (%)	0407	1.163	0.5410				2		0	
121.05	Arginine, Pre-col AQC Der (%)	0676	1.290	0.0800				2		0	
121.99	Arginine, Miscellaneous (%)	0889	0.7469	0.0312				1		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0918	1.209	0.0106	1.246	0.0392	0.0074	5		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0504	1.215	0.0100	1.246	0.0392	0.0074	5		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0227	1.235	0.0100	1.246	0.0392	0.0074	5		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0870	1.273	0.0064	1.246	0.0392	0.0074	5		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0619	1.300	0.0000	1.246	0.0392	0.0074	5		0	
122.05	Aspartic, Pre-col AQC Der (%)	0676	1.200	0.0200				2		0	
122.05	Aspartic, Pre-col AQC Der (%)	0407	1.229	0.7710				2		0	
122.99	Aspartic, Miscellaneous (%)	0889	0.8740	0.0000				1		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0227	0.3550	0.0100	0.3996	0.0645	0.0062	5		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0870	0.3600	0.0051	0.3996	0.0645	0.0062	5		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0918	0.3650	0.0100	0.3996	0.0645	0.0062	5		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0504	0.4100	0.0000	0.3996	0.0645	0.0062	5		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0619	0.5080	0.0060	0.3996	0.0645	0.0062	5		0	
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0407	0.3045	0.0230				2		0	
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0676	0.4300	0.0000				2		0	
124.99	Cysteine/Cystine, Miscellaneous (%)	0889	0.4460	0.0089				1		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0504	3.785	0.0900	3.974	0.1425	0.0508	5		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0227	3.865	0.0300	3.974	0.1425	0.0508	5		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0918	4.024	0.0214	3.974	0.1425	0.0508	5		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0870	4.097	0.0328	3.974	0.1425	0.0508	5		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0619	4.100	0.0800	3.974	0.1425	0.0508	5		0	
125.05	Glutamic, Pre-col AQC Der (%)	0407	4.174	2.005				2		0	
125.05	Glutamic, Pre-col AQC Der (%)	0676	4.220	0.1200				2		0	

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125.99	Glutamic, Miscellaneous (%)	0889	2.809	0.0268				1		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0918	0.9174	0.0048	0.9578	0.0292	0.0113	5		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0504	0.9400	0.0200	0.9578	0.0292	0.0113	5		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0870	0.9695	0.0155	0.9578	0.0292	0.0113	5		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0227	0.9700	0.0000	0.9578	0.0292	0.0113	5		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0619	0.9920	0.0160	0.9578	0.0292	0.0113	5		0	
126.05	Glycine, Pre-col AQC Der (%)	0676	0.9200	0.0400				2		0	
126.05	Glycine, Pre-col AQC Der (%)	0407	1.172	0.4550				2		0	
126.99	Glycine, Miscellaneous (%)	0889	0.2877	0.0045				1		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0870	0.4546	0.0186	0.5149	0.0539	0.0148	5		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0918	0.4948	0.0075	0.5149	0.0539	0.0148	5		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0504	0.5000	0.0000	0.5149	0.0539	0.0148	5		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0227	0.5250	0.0300	0.5149	0.0539	0.0148	5		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0619	0.6000	0.0180	0.5149	0.0539	0.0148	5		0	
127.05	Histidine, Pre-col AQC Der (%)	0407	0.4330	0.3920				2		0	
127.05	Histidine, Pre-col AQC Der (%)	0676	0.4500	0.0400				2		0	
127.99	Histidine, Miscellaneous (%)	0889	0.2877	0.0045				1		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0918	0.5109	0.0076	0.5690	0.0405	0.0124	5		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0870	0.5497	0.0134	0.5690	0.0405	0.0124	5		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0619	0.5745	0.0010	0.5690	0.0405	0.0124	5		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0227	0.5950	0.0100	0.5690	0.0405	0.0124	5		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0504	0.6150	0.0300	0.5690	0.0405	0.0124	5		0	
128.05	Isoleucine, Pre-col AQC Der (%)	0676	0.5750	0.0300				2		0	
128.05	Isoleucine, Pre-col AQC Der (%)	0407	0.7360	0.2940				2		0	
128.99	Isoleucine, Miscellaneous (%)	0889	0.5151	0.0223				1		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0918	1.062	0.0090	1.112	0.0371	0.0073	5		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0870	1.091	0.0177	1.112	0.0371	0.0073	5		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0227	1.120	0.0000	1.112	0.0371	0.0073	5		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0504	1.125	0.0100	1.112	0.0371	0.0073	5		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0619	1.160	0.0000	1.112	0.0371	0.0073	5		0	
129.05	Leucine, Pre-col AQC Der (%)	0676	1.145	0.0500				2		0	
129.05	Leucine, Pre-col AQC Der (%)	0407	1.303	0.4410				2		0	
129.99	Leucine, Miscellaneous (%)	0889	0.6243	0.0090				1		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0918	0.6725	0.0108	0.7216	0.0456	0.0088	5		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0870	0.6995	0.0090	0.7216	0.0456	0.0088	5		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0619	0.7160	0.0040	0.7216	0.0456	0.0088	5		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0504	0.7250	0.0100	0.7216	0.0456	0.0088	5		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0227	0.7950	0.0100	0.7216	0.0456	0.0088	5		0	
130.05	L-Lysine, Pre-col AQC Der (%)	0676	0.7450	0.0500				2		0	
130.05	L-Lysine, Pre-col AQC Der (%)	0407	0.7615	0.2970				2		0	
130.99	L-Lysine, Miscellaneous (%)	0889	1.394	0.0937				1		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0918	0.2600	0.0000	0.2679	0.0070	0.0049	5		0	

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131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0619	0.2640	0.0000	0.2679	0.0070	0.0049	5		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0504	0.2650	0.0100	0.2679	0.0070	0.0049	5		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0227	0.2750	0.0100	0.2679	0.0070	0.0049	5		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0870	0.2756	0.0044	0.2679	0.0070	0.0049	5		0	
131.05	Methionine, PAO Pre-col AQC Der (%)	0676	0.3100	0.0000				2		0	
131.05	Methionine, PAO Pre-col AQC Der (%)	0407	0.3870	0.0700				2		0	
131.99	Methionine, Miscellaneous (%)	0889	0.3323	0.0045				1		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0918	0.7371	0.0112	0.7486	0.0103	0.0070	5		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0227	0.7400	0.0000	0.7486	0.0103	0.0070	5		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0504	0.7500	0.0000	0.7486	0.0103	0.0070	5		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0870	0.7536	0.0068	0.7486	0.0103	0.0070	5		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0619	0.7625	0.0170	0.7486	0.0103	0.0070	5		0	
132.05	Phenylalanine, Pre-col AQC Der (%)	0676	0.7500	0.0200				2		0	
132.05	Phenylalanine, Pre-col AQC Der (%)	0407	0.7950	0.4500				2		0	
132.99	Phenylalanine, Miscellaneous (%)	0889	0.5887	0.0089				1		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0504	1.215	0.0100	1.266	0.0453	0.0429	5		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0870	1.224	0.0096	1.266	0.0453	0.0429	5		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0619	1.275	0.0900	1.266	0.0453	0.0429	5		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0227	1.295	0.0500	1.266	0.0453	0.0429	5		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0918	1.320	0.0548	1.266	0.0453	0.0429	5		0	
133.05	Proline, Pre-col AQC Der (%)	0676	1.300	0.0800				2		0	
133.05	Proline, Pre-col AQC Der (%)	0407	1.743	0.5150				2		0	
133.99	Proline, Miscellaneous (%)	0889	1.115	0.0267				1		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0918	0.7697	0.0125	0.8247	0.0554	0.0063	4		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0227	0.7850	0.0100	0.8247	0.0554	0.0063	4		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0870	0.8653	0.0006	0.8247	0.0554	0.0063	4		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0619	0.8790	0.0020	0.8247	0.0554	0.0063	4		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0504	0.6500	0.0800	0.8247	0.0554	0.0063	4		1	
134.05	Serine, Pre-col AQC Der (%)	0407	0.6180	0.0920				2		0	
134.05	Serine, Pre-col AQC Der (%)	0676	0.8250	0.0300				2		0	
134.99	Serine, Miscellaneous (%)	0889	0.6578	0.0045				1		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0504	0.5650	0.0100	0.5962	0.0223	0.0074	5		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0227	0.5850	0.0100	0.5962	0.0223	0.0074	5		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0918	0.5967	0.0042	0.5962	0.0223	0.0074	5		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0870	0.6149	0.0039	0.5962	0.0223	0.0074	5		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0619	0.6195	0.0090	0.5962	0.0223	0.0074	5		0	
135.05	Threonine, Pre-col AQC Der (%)	0407	0.4135	0.2090				2		0	
135.05	Threonine, Pre-col AQC Der (%)	0676	0.6300	0.0200				2		0	
135.99	Threonine, Miscellaneous (%)	0889	0.4638	0.0089				1		0	
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0870	0.2429	0.0039	0.2821	0.0469	0.0217	4		0	
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0918	0.2500	0.0200	0.2821	0.0469	0.0217	4		0	
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0619	0.2905	0.0330	0.2821	0.0469	0.0217	4		0	

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136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0227	0.3450	0.0300	0.2821	0.0469	0.0217	4		0	
136.01	Tryptophan, Alka-Hydrol Rev Phase LC UV (%)	2114	0.3337	0.0017				1		0	
136.05	Tryptophan, Pre-col AQC Der (%)	0407	0.1285	0.0350				1		0	
136.99	Tryptophan, Miscellaneous (%)	0504	0.1950	0.0100				2		0	
136.99	Tryptophan, Miscellaneous (%)	0889	0.3189	0.0045				2		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0870	0.4432	0.0285	0.4608	0.0240	0.0111	4		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0227	0.4450	0.0100	0.4608	0.0240	0.0111	4		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0504	0.4600	0.0000	0.4608	0.0240	0.0111	4		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0918	0.4950	0.0057	0.4608	0.0240	0.0111	4		0	
137.05	Tyrosine, Pre-col AQC Der (%)	0407	0.1910	0.0420				2		0	
137.05	Tyrosine, Pre-col AQC Der (%)	0676	0.5950	0.0300				2		0	
137.99	Tyrosine, Miscellaneous (%)	0889	0.3189	0.0045				1		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0870	0.7766	0.0162	0.8367	0.0402	0.0201	5		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0918	0.8169	0.0245	0.8367	0.0402	0.0201	5		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0619	0.8500	0.0200	0.8367	0.0402	0.0201	5		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0504	0.8650	0.0300	0.8367	0.0402	0.0201	5		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0227	0.8750	0.0100	0.8367	0.0402	0.0201	5		0	
138.05	Valine, Pre-col AQC Der (%)	0676	0.8400	0.0400				2		0	
138.05	Valine, Pre-col AQC Der (%)	0407	1.103	0.3260				2		0	
138.99	Valine, Miscellaneous (%)	0889	0.5597	0.0133				1		0	
139.00	Taurine, Post-col Ninhydrin Der (%)	0504	0.1000	0.0000				1		0	
139.05	Taurine, Pre-col AQC Der (%)	0407	0.0085	0.0030				1		0	
160.99	Fructose, Miscellaneous (%)	0619	0.0501	0.0058				1		0	
160.99	Fructose, Miscellaneous (%)	0227	< 0.15					1		5	
162.99	Glucose, Miscellaneous (%)	0619	0.0710	0.0140				1		0	
162.99	Glucose, Miscellaneous (%)	0227	< 0.15					1		5	
163.99	Lactose, Miscellaneous (%)	0619	0.0000	0.0000				0		4	
163.99	Lactose, Miscellaneous (%)	0227	< 0.15					0		5	
164.99	Maltose, Miscellaneous (%)	0160	0.9000	0.0000				1		0	
164.99	Maltose, Miscellaneous (%)	0227	< 0.15					1		5	
165.99	Sucrose, Miscellaneous (%)	0619	2.240	0.1600				3		0	
165.99	Sucrose, Miscellaneous (%)	0227	2.255	0.2900				3		0	
165.99	Sucrose, Miscellaneous (%)	0160	2.550	0.1000				3		0	
166.99	Raffinose, Miscellaneous (%)	0619	1.370	0.0600				1		0	
167.99	Stachyose, Miscellaneous (%)	0619	0.6925	0.0650				1		0	
400.01	Water Activity, Aqualab chilled mirror (Units)	0407	0.5060	0.0001				1		0	
400.99	Water Activity, Miscellaneous (Units)	2033	0.5160	0.0000				1		0	
516.00	Arsenic, Total, AA, Hydride (mg / kg (ppm))	0171	0.1305	0.2010				1		0	
516.43	Arsenic, Total, ICP, Microwave (mg / kg (ppm))	0407	1.426	0.1100				1		0	
516.43	Arsenic, Total, ICP, Microwave (mg / kg (ppm))	2124	< 0.89					1		5	
516.53	Arsenic, Total, ICP-MS, Microwave (mg / kg (ppm))	0227	0.0180	0.0060	0.0229	0.0058	0.0089	4		0	
516.53	Arsenic, Total, ICP-MS, Microwave (mg / kg (ppm))	0553	0.0183	0.0004	0.0229	0.0058	0.0089	4		0	

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516.53	Arsenic, Total, ICP-MS, Microwave (mg / kg (ppm))	0918	0.0252	0.0092	0.0229	0.0058	0.0089	4		0	
516.53	Arsenic, Total, ICP-MS, Microwave (mg / kg (ppm))	0015	0.0300	0.0200	0.0229	0.0058	0.0089	4		0	
518.41	Cadmium, ICP, Dry ash (mg / kg (ppm))	0171	0.0420	0.0040				2		0	
518.41	Cadmium, ICP, Dry ash (mg / kg (ppm))	0407	0.0510	0.0095				2		0	
518.43	Cadmium, ICP, Microwave (mg / kg (ppm))	0407	0.0381	0.0071				1		0	
518.43	Cadmium, ICP, Microwave (mg / kg (ppm))	2124	< 0.16					1		5	
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0227	0.0350	0.0020				3		0	
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0553	0.0400	0.0006				3		0	
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0918	0.0434	0.0011				3		0	
520.41	Chromium, ICP, Dry ash (mg / kg (ppm))	0407	0.2667	0.0734				2		0	
520.41	Chromium, ICP, Dry ash (mg / kg (ppm))	0171	0.7520	0.0360				2		0	
520.43	Chromium, ICP, Microwave (mg / kg (ppm))	0510	0.3850	0.0100				2		0	
520.43	Chromium, ICP, Microwave (mg / kg (ppm))	0407	0.4604	0.3651				2		0	
520.53	Chromium, ICP-MS, Microwave (mg / kg (ppm))	0164	0.1400	0.0040				3		0	
520.53	Chromium, ICP-MS, Microwave (mg / kg (ppm))	0553	0.1505	0.0490				3		0	
520.53	Chromium, ICP-MS, Microwave (mg / kg (ppm))	0918	0.6654	0.0319				3		0	
526.41	Lead, ICP, Dry ash (mg / kg (ppm))	0407	0.0192	0.0383				0		4	
526.41	Lead, ICP, Dry ash (mg / kg (ppm))	0171	< 0.05					0		5	
526.43	Lead, ICP, Microwave (mg / kg (ppm))	0407	0.1380	0.0326				1		0	
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0227	0.0130	0.0000				2		0	
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0553	0.0131	0.0017				2		0	
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0918	< 0.044					2		5	
529.99	Mercury, Miscellaneous (µg / kg (ppb))	0015	1,786	164.4				1		0	
539.41	Nickel, ICP, Dry ash (mg / kg (ppm))	0407	1.115	0.3575				2		0	
539.41	Nickel, ICP, Dry ash (mg / kg (ppm))	0171	1.116	0.0460				2		0	
539.43	Nickel, ICP, Microwave (mg / kg (ppm))	0407	1.255	0.4283				1		0	
539.53	Nickel, ICP-MS, Microwave (mg / kg (ppm))	0553	1.064	0.1330				3		0	
539.53	Nickel, ICP-MS, Microwave (mg / kg (ppm))	0918	1.069	0.0000				3		0	
539.53	Nickel, ICP-MS, Microwave (mg / kg (ppm))	0015	1.600	0.6600				3		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	0.0100	0.0000				1		0	
716.99	Palmitic Acid (16:0), Miscellaneous (% (w/w))	2124	0.6600	0.0000				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	0.8450	0.0300				1		0	
726.99	Linoleic Acid (9c,12c-18:2), Miscellaneous (% (w/w))	2124	2.295	0.0500				1		0	
728.99	alpha-Linolenic Acid (9c,12c,15c-18:3), Miscellaneous (% (w/w))	2124	0.1550	0.0100				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	0.1700	0.0000				1		0	
756.99	Total n-6 Polyunsaturated (Omega-6) Fatty Acids, Miscellaneous (% (w/w))	2124	2.305	0.0500				1		0	
772.99	Total Fatty Acids, Miscellaneous (% (w/w))	2124	4.075	0.0900				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			

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.