



**AAFCO**  
Proficiency Testing Program



**Bone Meal**

**Pet Food Scheme**

**# Labs Reporting: 55**

**Test Material Code # 201844**

**Method Proficiency Testing Report**

**Issue Date : 12/31/2018**

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	5.130	0.0000				3			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0309	5.267	0.0510				3			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0027	5.442	0.0040				3			0
001.03	Loss on Drying, Low temp. methods (%)	2124	5.130	0.0200				2			0
001.03	Loss on Drying, Low temp. methods (%)	0619	5.290	0.0400				2			0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0019	4.750	0.5000	5.310	0.3799	0.1955	14	-1.47	5%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0845	4.905	0.1500	5.310	0.3799	0.1955	14	-1.07	4%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0876	4.922	0.3461	5.310	0.3799	0.1955	14	-1.02	4%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0015	4.980	0.2000	5.310	0.3799	0.1955	14	-0.87	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0407	5.247	0.0158	5.310	0.3799	0.1955	14	-0.16	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2187	5.320	0.1200	5.310	0.3799	0.1955	14	0.03	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0065	5.348	0.0450	5.310	0.3799	0.1955	14	0.10	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2156	5.390	0.3400	5.310	0.3799	0.1955	14	0.21	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0098	5.400	0.2000	5.310	0.3799	0.1955	14	0.24	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2220	5.410	0.0800	5.310	0.3799	0.1955	14	0.26	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0171	5.415	0.0100	5.310	0.3799	0.1955	14	0.28	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2219	5.490	0.1400	5.310	0.3799	0.1955	14	0.47	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0873	6.240	0.0600	5.310	0.3799	0.1955	14	2.45	9%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0074	6.735	0.5300	5.310	0.3799	0.1955	14	3.75	13%	0
001.08	Loss on Drying, 102°C 16 hr, in meat (%)	2094	5.625	0.2100				1			0
001.99	Loss on Drying, Miscellaneous (%)	0630	4.645	0.0700	5.081	0.2521	0.0866	7	-1.73	4%	0
001.99	Loss on Drying, Miscellaneous (%)	0889	4.895	0.0300	5.081	0.2521	0.0866	7	-0.74	2%	0
001.99	Loss on Drying, Miscellaneous (%)	0510	5.050	0.1000	5.081	0.2521	0.0866	7	-0.12	0%	0
001.99	Loss on Drying, Miscellaneous (%)	0676	5.155	0.1900	5.081	0.2521	0.0866	7	0.29	1%	0
001.99	Loss on Drying, Miscellaneous (%)	2136	5.165	0.0500	5.081	0.2521	0.0866	7	0.33	1%	0
001.99	Loss on Drying, Miscellaneous (%)	2115	5.229	0.0060	5.081	0.2521	0.0866	7	0.59	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0656	5.370	0.1600	5.081	0.2521	0.0866	7	1.15	3%	0
002.00	Protein, Crude, Crude (%)	0845	53.45	0.1200				1			0
002.01	Protein, Crude, Auto Kjeh-Foss (%)	0889	53.12	0.0200	53.84	0.6604	0.4172	5			0
002.01	Protein, Crude, Auto Kjeh-Foss (%)	0656	53.25	0.2400	53.84	0.6604	0.4172	5			0
002.01	Protein, Crude, Auto Kjeh-Foss (%)	0870	53.85	0.9760	53.84	0.6604	0.4172	5			0
002.01	Protein, Crude, Auto Kjeh-Foss (%)	0619	54.50	0.6000	53.84	0.6604	0.4172	5			0
002.01	Protein, Crude, Auto Kjeh-Foss (%)	0164	54.51	0.2500	53.84	0.6604	0.4172	5			0
002.02	Protein, Crude, Semiauto Autoanalyzer (%)	0042	60.47	0.3000				1			0
002.04	Protein, Crude, Copper Catalyst (%)	2122	54.63	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			
002.04	Protein, Crude, Copper Catalyst (%)	0504	54.98	1.440				2			0
002.05	Protein, Crude, Copper, Boric Acid (%)	2115	54.98	0.1710				1			0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0873	52.26	0.1700	54.54	0.8598	0.6996	45	-2.65	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0510	53.30	0.2000	54.54	0.8598	0.6996	45	-1.44	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0650	53.35	0.6400	54.54	0.8598	0.6996	45	-1.38	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0554	53.36	0.8500	54.54	0.8598	0.6996	45	-1.37	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2187	53.40	0.4200	54.54	0.8598	0.6996	45	-1.32	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2162	53.61	1.090	54.54	0.8598	0.6996	45	-1.08	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0504	53.62	0.5600	54.54	0.8598	0.6996	45	-1.07	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0047	53.69	2.970	54.54	0.8598	0.6996	45	-0.99	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0619	53.80	0.6000	54.54	0.8598	0.6996	45	-0.86	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2169	53.80	0.4000	54.54	0.8598	0.6996	45	-0.86	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0027	53.85	0.2960	54.54	0.8598	0.6996	45	-0.80	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0171	53.92	0.7300	54.54	0.8598	0.6996	45	-0.72	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0015	54.03	0.3000	54.54	0.8598	0.6996	45	-0.59	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2220	54.05	1.260	54.54	0.8598	0.6996	45	-0.57	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0870	54.09	0.2244	54.54	0.8598	0.6996	45	-0.52	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2219	54.13	0.4400	54.54	0.8598	0.6996	45	-0.47	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2207	54.35	0.7000	54.54	0.8598	0.6996	45	-0.22	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0202	54.42	0.0820	54.54	0.8598	0.6996	45	-0.13	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0098	54.45	2.700	54.54	0.8598	0.6996	45	-0.10	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0309	54.50	1.650	54.54	0.8598	0.6996	45	-0.05	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0958	54.50	0.4600	54.54	0.8598	0.6996	45	-0.04	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0511	54.51	1.240	54.54	0.8598	0.6996	45	-0.03	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0074	54.52	0.3000	54.54	0.8598	0.6996	45	-0.02	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0630	54.57	1.160	54.54	0.8598	0.6996	45	0.04	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0957	54.58	0.0500	54.54	0.8598	0.6996	45	0.04	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2050	54.70	0.0100	54.54	0.8598	0.6996	45	0.18	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2232	54.70	0.4000	54.54	0.8598	0.6996	45	0.19	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2033	54.81	0.7500	54.54	0.8598	0.6996	45	0.31	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0880	54.82	1.500	54.54	0.8598	0.6996	45	0.33	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0964	54.83	0.4510	54.54	0.8598	0.6996	45	0.34	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0065	54.88	0.5182	54.54	0.8598	0.6996	45	0.40	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0051	54.95	0.1000	54.54	0.8598	0.6996	45	0.48	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2089	55.03	1.110	54.54	0.8598	0.6996	45	0.57	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0001	55.04	0.0700	54.54	0.8598	0.6996	45	0.58	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0876	55.05	0.4741	54.54	0.8598	0.6996	45	0.60	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0407	55.07	0.0970	54.54	0.8598	0.6996	45	0.62	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2094	55.29	0.1900	54.54	0.8598	0.6996	45	0.87	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0208	55.35	1.700	54.54	0.8598	0.6996	45	0.95	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0164	55.50	0.3800	54.54	0.8598	0.6996	45	1.12	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0019	55.65	0.1700	54.54	0.8598	0.6996	45	1.29	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0028	55.68	1.600	54.54	0.8598	0.6996	45	1.33	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2156	55.73	0.3000	54.54	0.8598	0.6996	45	1.39	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2124	56.18	0.3600	54.54	0.8598	0.6996	45	1.91	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0676	56.38	1.630	54.54	0.8598	0.6996	45	2.14	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0042	60.80	0.1800	54.54	0.8598	0.6996	45	7.29	6%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0553	54.74	4.205	54.54	0.8598	0.6996	45	0.23	0%	1
002.08	Protein, Crude, Cu/Ti (%)	0098	53.89	0.5500				2			0
002.08	Protein, Crude, Cu/Ti (%)	2136	54.25	0.3000				2			0
002.11	Protein, Crude, NIR (%)	0889	54.85	0.4300				2			0
002.11	Protein, Crude, NIR (%)	2232	60.67	0.0100				2			0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	0309	12.14	0.1136				1			0
003.01	Fat, Crude, Diethyl Ether Ext (13th ed.), Indirect (%)	0504	11.93	0.4100				1			0
003.06	Fat, Crude, Pet Ether (%)	0511	12.00	0.6800				1			0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0630	9.655	2.530				3			0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0870	11.62	0.0502				3			0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0098	12.21	0.3900				3			0
003.10	Fat, Crude, Randall, Pet Ether (%)	0553	11.45	0.3500	11.96	0.4250	0.3476	9	-1.21	2%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2089	11.62	0.4300	11.96	0.4250	0.3476	9	-0.81	1%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0051	11.65	0.7000	11.96	0.4250	0.3476	9	-0.73	1%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0870	11.76	0.4081	11.96	0.4250	0.3476	9	-0.48	1%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0098	11.89	0.1100	11.96	0.4250	0.3476	9	-0.17	0%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2232	12.08	0.0500	11.96	0.4250	0.3476	9	0.27	0%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2162	12.37	0.7900	11.96	0.4250	0.3476	9	0.96	2%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0889	12.41	0.0400	11.96	0.4250	0.3476	9	1.06	2%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0676	12.43	0.2500	11.96	0.4250	0.3476	9	1.10	2%	0
003.11	Fat, Crude, NIR (%)	0889	9.660	0.2200				2			0
003.11	Fat, Crude, NIR (%)	2232	14.30	0.1500				2			0
003.12	Fat, Crude, Hexane Ext (%)	0171	12.03	0.1600				1			0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	0098	11.71	0.8400				2			0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	0870	12.07	0.0443				2			0
003.14	Fat, Crude, Ankom (%)	0407	12.03	0.0494				3			0
003.14	Fat, Crude, Ankom (%)	0619	12.05	0.3000				3			0
003.14	Fat, Crude, Ankom (%)	0202	12.07	0.0140				3			0
003.99	Fat, Crude, Miscellaneous (%)	0880	6.050	1.700				1			0
004.00	Fiber, Crude, Asbestos Free (%)	0164	1.100	0.0000	1.545	0.5803	0.0120	5			0
004.00	Fiber, Crude, Asbestos Free (%)	0511	1.100	0.0000	1.545	0.5803	0.0120	5			0
004.00	Fiber, Crude, Asbestos Free (%)	0309	1.175	0.0401	1.545	0.5803	0.0120	5			0
004.00	Fiber, Crude, Asbestos Free (%)	0171	2.075	0.0100	1.545	0.5803	0.0120	5			0
004.00	Fiber, Crude, Asbestos Free (%)	0504	2.275	0.0100	1.545	0.5803	0.0120	5			0
004.00	Fiber, Crude, Asbestos Free (%)	0208	1.610	0.5200	1.545	0.5803	0.0120	5			1
004.06	Fiber, Crude, Fibertec (%)	0027	1.233	0.0300				1			0
004.07	Fiber, Crude, ANKOM (%)	0510	0.7000	0.0000	2.017	0.8991	0.2997	15	-1.46	33%	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	
004.07	Fiber, Crude, ANKOM (%)	0019	1.065	0.0100	2.017	0.8991	0.2997	15	-1.06	24%	0
004.07	Fiber, Crude, ANKOM (%)	0619	1.190	0.2400	2.017	0.8991	0.2997	15	-0.92	20%	0
004.07	Fiber, Crude, ANKOM (%)	0407	1.245	0.1591	2.017	0.8991	0.2997	15	-0.86	19%	0
004.07	Fiber, Crude, ANKOM (%)	2207	1.650	0.1000	2.017	0.8991	0.2997	15	-0.41	9%	0
004.07	Fiber, Crude, ANKOM (%)	0870	1.860	0.0451	2.017	0.8991	0.2997	15	-0.17	4%	0
004.07	Fiber, Crude, ANKOM (%)	2094	1.905	0.5300	2.017	0.8991	0.2997	15	-0.12	3%	0
004.07	Fiber, Crude, ANKOM (%)	0015	1.935	0.0700	2.017	0.8991	0.2997	15	-0.09	2%	0
004.07	Fiber, Crude, ANKOM (%)	2124	2.180	0.1000	2.017	0.8991	0.2997	15	0.18	4%	0
004.07	Fiber, Crude, ANKOM (%)	2136	2.210	0.8000	2.017	0.8991	0.2997	15	0.21	5%	0
004.07	Fiber, Crude, ANKOM (%)	0074	2.250	0.7400	2.017	0.8991	0.2997	15	0.26	6%	0
004.07	Fiber, Crude, ANKOM (%)	0876	2.403	0.2187	2.017	0.8991	0.2997	15	0.43	10%	0
004.07	Fiber, Crude, ANKOM (%)	0042	2.975	1.130	2.017	0.8991	0.2997	15	1.07	24%	0
004.07	Fiber, Crude, ANKOM (%)	0553	3.320	0.1800	2.017	0.8991	0.2997	15	1.45	32%	0
004.07	Fiber, Crude, ANKOM (%)	0202	3.372	0.1720	2.017	0.8991	0.2997	15	1.51	34%	0
004.99	Fiber, Crude, Miscellaneous (%)	2033	0.4000	0.2000				1			0
005.00	Ash, 2h @ 600°C (%)	0047	22.84	0.2600	23.53	0.4530	0.3764	35	-1.52	1%	0
005.00	Ash, 2h @ 600°C (%)	0876	22.90	0.0335	23.53	0.4530	0.3764	35	-1.38	1%	0
005.00	Ash, 2h @ 600°C (%)	0051	23.00	1.400	23.53	0.4530	0.3764	35	-1.17	1%	0
005.00	Ash, 2h @ 600°C (%)	0553	23.00	0.1000	23.53	0.4530	0.3764	35	-1.17	1%	0
005.00	Ash, 2h @ 600°C (%)	2219	23.00	0.0600	23.53	0.4530	0.3764	35	-1.17	1%	0
005.00	Ash, 2h @ 600°C (%)	2232	23.08	1.140	23.53	0.4530	0.3764	35	-0.99	1%	0
005.00	Ash, 2h @ 600°C (%)	0957	23.13	0.0200	23.53	0.4530	0.3764	35	-0.88	1%	0
005.00	Ash, 2h @ 600°C (%)	0208	23.20	1.200	23.53	0.4530	0.3764	35	-0.73	1%	0
005.00	Ash, 2h @ 600°C (%)	2033	23.20	0.2000	23.53	0.4530	0.3764	35	-0.73	1%	0
005.00	Ash, 2h @ 600°C (%)	2124	23.27	0.0700	23.53	0.4530	0.3764	35	-0.58	1%	0
005.00	Ash, 2h @ 600°C (%)	0964	23.27	0.1590	23.53	0.4530	0.3764	35	-0.58	1%	0
005.00	Ash, 2h @ 600°C (%)	2220	23.30	0.2500	23.53	0.4530	0.3764	35	-0.52	0%	0
005.00	Ash, 2h @ 600°C (%)	0870	23.33	0.1707	23.53	0.4530	0.3764	35	-0.45	0%	0
005.00	Ash, 2h @ 600°C (%)	0656	23.36	0.1700	23.53	0.4530	0.3764	35	-0.38	0%	0
005.00	Ash, 2h @ 600°C (%)	0958	23.37	0.1100	23.53	0.4530	0.3764	35	-0.36	0%	0
005.00	Ash, 2h @ 600°C (%)	0650	23.40	0.1900	23.53	0.4530	0.3764	35	-0.30	0%	0
005.00	Ash, 2h @ 600°C (%)	0042	23.48	0.7100	23.53	0.4530	0.3764	35	-0.12	0%	0
005.00	Ash, 2h @ 600°C (%)	0880	23.49	0.6100	23.53	0.4530	0.3764	35	-0.10	0%	0
005.00	Ash, 2h @ 600°C (%)	0630	23.50	0.2600	23.53	0.4530	0.3764	35	-0.06	0%	0
005.00	Ash, 2h @ 600°C (%)	0407	23.61	0.1486	23.53	0.4530	0.3764	35	0.17	0%	0
005.00	Ash, 2h @ 600°C (%)	0015	23.63	0.0900	23.53	0.4530	0.3764	35	0.21	0%	0
005.00	Ash, 2h @ 600°C (%)	2115	23.63	0.4600	23.53	0.4530	0.3764	35	0.22	0%	0
005.00	Ash, 2h @ 600°C (%)	0504	23.74	0.1300	23.53	0.4530	0.3764	35	0.45	0%	0
005.00	Ash, 2h @ 600°C (%)	2156	23.77	0.5900	23.53	0.4530	0.3764	35	0.52	1%	0
005.00	Ash, 2h @ 600°C (%)	2162	23.80	0.9000	23.53	0.4530	0.3764	35	0.60	1%	0
005.00	Ash, 2h @ 600°C (%)	0027	23.84	0.5460	23.53	0.4530	0.3764	35	0.68	1%	0
005.00	Ash, 2h @ 600°C (%)	0171	23.88	0.3800	23.53	0.4530	0.3764	35	0.77	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
005.00	Ash, 2h @ 600°C (%)	0098	23.96	0.6900	23.53	0.4530	0.3764	35	0.94	1%	0
005.00	Ash, 2h @ 600°C (%)	2207	23.96	0.1900	23.53	0.4530	0.3764	35	0.94	1%	0
005.00	Ash, 2h @ 600°C (%)	0001	23.96	0.1646	23.53	0.4530	0.3764	35	0.94	1%	0
005.00	Ash, 2h @ 600°C (%)	0511	23.99	0.6600	23.53	0.4530	0.3764	35	1.02	1%	0
005.00	Ash, 2h @ 600°C (%)	0309	24.10	0.1500	23.53	0.4530	0.3764	35	1.25	1%	0
005.00	Ash, 2h @ 600°C (%)	0164	24.18	0.0200	23.53	0.4530	0.3764	35	1.44	1%	0
005.00	Ash, 2h @ 600°C (%)	0510	24.35	0.2100	23.53	0.4530	0.3764	35	1.80	2%	0
005.00	Ash, 2h @ 600°C (%)	2089	24.47	0.7300	23.53	0.4530	0.3764	35	2.07	2%	0
005.00	Ash, 2h @ 600°C (%)	0019	23.91	2.210	23.53	0.4530	0.3764	35	0.83	1%	1
005.00	Ash, 2h @ 600°C (%)	0873	28.15	0.1400	23.53	0.4530	0.3764	35	10.20	10%	2
005.03	Ash, Microwave furnace (%)	2187	23.90	0.2000				1			0
005.05	Ash, 3h @ 550°C (%)	2136	23.35	0.1000	23.84	0.4045	0.3358	6	-1.22	1%	0
005.05	Ash, 3h @ 550°C (%)	2050	23.71	0.4000	23.84	0.4045	0.3358	6	-0.33	0%	0
005.05	Ash, 3h @ 550°C (%)	0065	23.73	0.1650	23.84	0.4045	0.3358	6	-0.28	0%	0
005.05	Ash, 3h @ 550°C (%)	0845	23.81	0.0700	23.84	0.4045	0.3358	6	-0.10	0%	0
005.05	Ash, 3h @ 550°C (%)	0889	24.07	1.080	23.84	0.4045	0.3358	6	0.56	0%	0
005.05	Ash, 3h @ 550°C (%)	0619	24.40	0.2000	23.84	0.4045	0.3358	6	1.37	1%	0
005.11	Ash, NIR (%)	0889	12.16	0.0200				2			0
005.11	Ash, NIR (%)	2232	26.97	0.0400				2			0
005.99	Ash, Miscellaneous (%)	2094	23.38	0.0400	24.34	0.8933	0.4465	4			0
005.99	Ash, Miscellaneous (%)	0202	23.89	0.2860	24.34	0.8933	0.4465	4			0
005.99	Ash, Miscellaneous (%)	0676	24.66	1.080	24.34	0.8933	0.4465	4			0
005.99	Ash, Miscellaneous (%)	2169	25.42	0.3800	24.34	0.8933	0.4465	4			0
006.00	Total Sugars, As sucrose (%)	0407	0.2350	0.3300				1			0
008.02	Fiber, Acid Detergent, Crucible (%)	0309	2.404	0.2069				2			0
008.02	Fiber, Acid Detergent, Crucible (%)	0504	3.795	0.3500				2			0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0889	3.185	0.0300	4.448	0.9296	0.3828	5			0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0870	3.953	0.2213	4.448	0.9296	0.3828	5			0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0042	4.665	0.1300	4.448	0.9296	0.3828	5			0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0407	4.784	0.7025	4.448	0.9296	0.3828	5			0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0015	5.655	0.8300	4.448	0.9296	0.3828	5			0
008.99	Fiber, Acid Detergent, Miscellaneous (%)	0889	1.655	0.0900				1			0
009.04	Fiber, Neutral Detergent, Neutral Det-No ENZ Pretreat (%)	0504	28.80	0.0300				1			0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat (%)	0309	19.22	0.1995				1			0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0407	21.00	0.6285	25.51	3.178	2.902	4			0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0870	25.67	1.350	25.51	3.178	2.902	4			0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0889	27.23	4.610	25.51	3.178	2.902	4			0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0015	28.15	5.020	25.51	3.178	2.902	4			0
009.99	Fiber, Neutral Detergent, Miscellaneous (%)	0889	10.63	0.3000				1			0
010.11	Moisture, NIR (%)	2232	4.755	0.0700				2			0
010.11	Moisture, NIR (%)	0889	7.340	3.060				2			0
010.99	Moisture, Miscellaneous (%)	0964	5.340	0.0080	5.562	0.1938	0.0947	6	-1.15	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	
010.99	Moisture, Miscellaneous (%)	0028	5.485	0.1100	5.562	0.1938	0.0947	6	-0.40	1%	0
010.99	Moisture, Miscellaneous (%)	2089	5.515	0.1700	5.562	0.1938	0.0947	6	-0.24	0%	0
010.99	Moisture, Miscellaneous (%)	2169	5.555	0.1300	5.562	0.1938	0.0947	6	-0.04	0%	0
010.99	Moisture, Miscellaneous (%)	2033	5.625	0.0300	5.562	0.1938	0.0947	6	0.32	1%	0
010.99	Moisture, Miscellaneous (%)	2232	6.090	0.1200	5.562	0.1938	0.0947	6	2.72	5%	0
011.01	Loss on Drying, 135°C 2hr (%)	0880	4.090	0.8600	5.882	0.1927	0.1364	19	-9.30	15%	0
011.01	Loss on Drying, 135°C 2hr (%)	0957	5.705	0.0500	5.882	0.1927	0.1364	19	-0.92	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0407	5.731	0.0327	5.882	0.1927	0.1364	19	-0.79	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	2162	5.735	0.0100	5.882	0.1927	0.1364	19	-0.76	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0047	5.740	0.2200	5.882	0.1927	0.1364	19	-0.74	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0510	5.750	0.1000	5.882	0.1927	0.1364	19	-0.69	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	2207	5.750	0.1000	5.882	0.1927	0.1364	19	-0.69	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0208	5.790	0.1800	5.882	0.1927	0.1364	19	-0.48	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0870	5.821	0.1641	5.882	0.1927	0.1364	19	-0.32	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0202	5.850	0.1250	5.882	0.1927	0.1364	19	-0.17	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0171	5.850	0.0200	5.882	0.1927	0.1364	19	-0.17	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0164	5.950	0.1800	5.882	0.1927	0.1364	19	0.35	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0511	5.950	0.0000	5.882	0.1927	0.1364	19	0.35	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0098	6.005	0.0500	5.882	0.1927	0.1364	19	0.64	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0051	6.035	0.0700	5.882	0.1927	0.1364	19	0.79	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0958	6.085	0.0700	5.882	0.1927	0.1364	19	1.05	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0309	6.110	0.2400	5.882	0.1927	0.1364	19	1.18	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	2232	6.140	0.0600	5.882	0.1927	0.1364	19	1.34	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0650	6.320	0.0600	5.882	0.1927	0.1364	19	2.27	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0553	4.555	0.9100	5.882	0.1927	0.1364	19	-6.89	11%	1
011.02	Loss on Drying, 130°C for 2 hours (%)	0554	5.710	0.4000				1			0
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	0870	1.076	0.0322				1			0
012.03	Starch, Enzymatic-Colorimetric Method, Miscellaneous (%)	0407	0.7950	0.1100				1			0
012.03	Starch, Enzymatic-Colorimetric Method, Miscellaneous (%)	0889	0.0000	0.0000				1			4
012.04	Starch, Enzymatic-Enzyme Membrane Technology (YSI) (%)	0510	0.9000	0.0000				1			0
012.11	Starch, NIR (%)	0889	5.740	0.1000				1			0
012.99	Starch, Miscellaneous (%)	0676	0.5750	0.0900				1			0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2220	11.94	1.160	13.01	0.8849	0.3714	7	-1.21	4%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0504	12.41	0.0800	13.01	0.8849	0.3714	7	-0.68	2%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2187	12.42	0.0400	13.01	0.8849	0.3714	7	-0.66	2%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2156	13.30	0.2900	13.01	0.8849	0.3714	7	0.32	1%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2219	13.37	0.5100	13.01	0.8849	0.3714	7	0.40	1%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0309	13.42	0.1945	13.01	0.8849	0.3714	7	0.47	2%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0202	14.20	0.3250	13.01	0.8849	0.3714	7	1.35	5%	0
013.02	Fat, Acid Pretreat, Mojonniier, Bak Ext (%)	0510	11.95	0.1000	13.51	0.6686	0.2638	13	-2.34	6%	0
013.02	Fat, Acid Pretreat, Mojonniier, Bak Ext (%)	0873	12.41	0.3500	13.51	0.6686	0.2638	13	-1.65	4%	0
013.02	Fat, Acid Pretreat, Mojonniier, Bak Ext (%)	0015	12.95	0.7300	13.51	0.6686	0.2638	13	-0.85	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			
013.02	Fat, Acid Pretreat, Mojonniier, Bak Ext (%)	0065	13.30	0.0300	13.51	0.6686	0.2638	13	-0.32	1%	0
013.02	Fat, Acid Pretreat, Mojonniier, Bak Ext (%)	0870	13.44	0.5891	13.51	0.6686	0.2638	13	-0.11	0%	0
013.02	Fat, Acid Pretreat, Mojonniier, Bak Ext (%)	0650	13.44	0.4400	13.51	0.6686	0.2638	13	-0.11	0%	0
013.02	Fat, Acid Pretreat, Mojonniier, Bak Ext (%)	0098	13.46	0.0200	13.51	0.6686	0.2638	13	-0.08	0%	0
013.02	Fat, Acid Pretreat, Mojonniier, Bak Ext (%)	0676	13.77	0.1600	13.51	0.6686	0.2638	13	0.39	1%	0
013.02	Fat, Acid Pretreat, Mojonniier, Bak Ext (%)	0958	13.78	0.0700	13.51	0.6686	0.2638	13	0.39	1%	0
013.02	Fat, Acid Pretreat, Mojonniier, Bak Ext (%)	0171	13.87	0.0800	13.51	0.6686	0.2638	13	0.54	1%	0
013.02	Fat, Acid Pretreat, Mojonniier, Bak Ext (%)	0957	14.11	0.2800	13.51	0.6686	0.2638	13	0.90	2%	0
013.02	Fat, Acid Pretreat, Mojonniier, Bak Ext (%)	0553	14.17	0.2900	13.51	0.6686	0.2638	13	0.98	2%	0
013.02	Fat, Acid Pretreat, Mojonniier, Bak Ext (%)	0164	14.37	0.2900	13.51	0.6686	0.2638	13	1.28	3%	0
013.10	Fat, Acid Pretreat, Soxtec-Acid Hydrolysis (%)	2162	11.82	0.2600	12.46	0.7131	0.1775	4			0
013.10	Fat, Acid Pretreat, Soxtec-Acid Hydrolysis (%)	0554	11.91	0.1900	12.46	0.7131	0.1775	4			0
013.10	Fat, Acid Pretreat, Soxtec-Acid Hydrolysis (%)	0845	12.87	0.1400	12.46	0.7131	0.1775	4			0
013.10	Fat, Acid Pretreat, Soxtec-Acid Hydrolysis (%)	2124	13.26	0.1200	12.46	0.7131	0.1775	4			0
013.13	Fat, Acid Pretreat, Ankom- Acid Hydrolysis (%)	0042	9.530	0.7800				3			0
013.13	Fat, Acid Pretreat, Ankom- Acid Hydrolysis (%)	0407	12.79	0.0588				3			0
013.13	Fat, Acid Pretreat, Ankom- Acid Hydrolysis (%)	0015	13.69	1.320				3			0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0171	462.2	8.100				1			0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0510	26.00	0.0000				1			0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0510	2.200	0.0000				1			0
019.00	Calcium, Ox-Mn04 Vol. (%)	2115	8.685	0.2130				1			0
019.31	Calcium, AAS, Dry ash (%)	0001	8.360	0.2790				1			0
019.41	Calcium, ICP, Dry ash (%)	0164	7.695	0.0700	7.950	0.2369	0.3240	10	-1.08	2%	0
019.41	Calcium, ICP, Dry ash (%)	0171	7.715	0.6900	7.950	0.2369	0.3240	10	-0.99	1%	0
019.41	Calcium, ICP, Dry ash (%)	2114	7.765	0.4180	7.950	0.2369	0.3240	10	-0.78	1%	0
019.41	Calcium, ICP, Dry ash (%)	0098	7.780	0.0200	7.950	0.2369	0.3240	10	-0.72	1%	0
019.41	Calcium, ICP, Dry ash (%)	0051	7.955	0.3500	7.950	0.2369	0.3240	10	0.02	0%	0
019.41	Calcium, ICP, Dry ash (%)	0019	7.960	0.5200	7.950	0.2369	0.3240	10	0.04	0%	0
019.41	Calcium, ICP, Dry ash (%)	0074	8.040	0.1200	7.950	0.2369	0.3240	10	0.38	1%	0
019.41	Calcium, ICP, Dry ash (%)	0208	8.117	0.6160	7.950	0.2369	0.3240	10	0.71	1%	0
019.41	Calcium, ICP, Dry ash (%)	0407	8.167	0.4155	7.950	0.2369	0.3240	10	0.92	1%	0
019.41	Calcium, ICP, Dry ash (%)	0511	9.200	0.0200	7.950	0.2369	0.3240	10	5.28	8%	0
019.42	Calcium, ICP, Open vessel (%)	0870	7.735	0.3770				2			0
019.42	Calcium, ICP, Open vessel (%)	2207	8.150	0.2000				2			0
019.43	Calcium, ICP, Microwave (%)	2124	7.535	0.2100	7.992	0.3707	0.3888	11	-1.23	3%	0
019.43	Calcium, ICP, Microwave (%)	2089	7.545	0.4300	7.992	0.3707	0.3888	11	-1.21	3%	0
019.43	Calcium, ICP, Microwave (%)	0098	7.660	0.2000	7.992	0.3707	0.3888	11	-0.90	2%	0
019.43	Calcium, ICP, Microwave (%)	0202	7.748	0.2280	7.992	0.3707	0.3888	11	-0.66	2%	0
019.43	Calcium, ICP, Microwave (%)	2094	8.015	0.9300	7.992	0.3707	0.3888	11	0.06	0%	0
019.43	Calcium, ICP, Microwave (%)	0964	8.098	0.2480	7.992	0.3707	0.3888	11	0.28	1%	0
019.43	Calcium, ICP, Microwave (%)	0510	8.110	0.0200	7.992	0.3707	0.3888	11	0.32	1%	0
019.43	Calcium, ICP, Microwave (%)	2187	8.185	0.5700	7.992	0.3707	0.3888	11	0.52	1%	0

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019.43	Calcium, ICP, Microwave (%)	2136	8.230	0.2600	7.992	0.3707	0.3888	11	0.64	1%	0
019.43	Calcium, ICP, Microwave (%)	0027	8.240	0.0810	7.992	0.3707	0.3888	11	0.67	2%	0
019.43	Calcium, ICP, Microwave (%)	2033	8.950	1.100	7.992	0.3707	0.3888	11	2.58	6%	0
019.44	Calcium, ICP, Dry ash (%)	2219	7.745	0.0700	8.014	0.2587	0.2650	6	-1.04	2%	0
019.44	Calcium, ICP, Dry ash (%)	2220	7.755	0.3100	8.014	0.2587	0.2650	6	-1.00	2%	0
019.44	Calcium, ICP, Dry ash (%)	2156	8.025	0.1100	8.014	0.2587	0.2650	6	0.04	0%	0
019.44	Calcium, ICP, Dry ash (%)	0873	8.055	0.3500	8.014	0.2587	0.2650	6	0.16	0%	0
019.44	Calcium, ICP, Dry ash (%)	2232	8.191	0.7500	8.014	0.2587	0.2650	6	0.69	1%	0
019.44	Calcium, ICP, Dry ash (%)	0065	8.310	0.0000	8.014	0.2587	0.2650	6	1.15	2%	0
019.52	Calcium, ICP-MS, Open vessel (%)	0047	9.745	0.3500				1			0
019.99	Calcium, Miscellaneous (%)	0889	3.915	0.2300				3			0
019.99	Calcium, Miscellaneous (%)	0619	8.085	0.6700				3			0
019.99	Calcium, Miscellaneous (%)	0676	8.425	0.5700				3			0
021.41	Cobalt, ICP, Dry ash (mg / kg (ppm))	0619	0.0510	0.0000				2			0
021.41	Cobalt, ICP, Dry ash (mg / kg (ppm))	0171	0.2505	0.0810				2			0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0964	0.1430	0.0422				2			0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0510	0.1950	0.0100				2			0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	2033	< 0.1					2			5
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0511	28.50	3.000	30.82	1.803	1.272	9	-1.29	4%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0171	28.80	0.1700	30.82	1.803	1.272	9	-1.12	3%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0407	30.07	1.767	30.82	1.803	1.272	9	-0.42	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0051	30.34	0.3200	30.82	1.803	1.272	9	-0.27	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0208	31.05	1.150	30.82	1.803	1.272	9	0.12	0%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0074	31.50	1.000	30.82	1.803	1.272	9	0.38	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0164	31.50	1.000	30.82	1.803	1.272	9	0.38	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0019	32.11	2.770	30.82	1.803	1.272	9	0.71	2%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0098	34.63	0.2700	30.82	1.803	1.272	9	2.11	6%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	2207	33.00	0.0000				2			0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0870	34.94	1.670				2			0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	2089	21.50	1.000	31.85	3.336	0.7335	10	-3.10	16%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	2058	27.45	0.0800	31.85	3.336	0.7335	10	-1.32	7%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	2033	30.20	2.800	31.85	3.336	0.7335	10	-0.49	3%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0202	30.97	0.8050	31.85	3.336	0.7335	10	-0.26	1%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0510	33.00	0.0000	31.85	3.336	0.7335	10	0.34	2%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	2094	33.00	0.0000	31.85	3.336	0.7335	10	0.34	2%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0098	33.23	0.1300	31.85	3.336	0.7335	10	0.41	2%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0964	33.29	1.282	31.85	3.336	0.7335	10	0.43	2%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0027	34.95	0.5380	31.85	3.336	0.7335	10	0.93	5%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	2124	35.56	0.7000	31.85	3.336	0.7335	10	1.11	6%	0
022.44	Copper, ICP, Dry ash (mg / kg (ppm))	2114	25.77	0.2610				1			0
022.52	Copper, ICP-MS, Open vessel (mg / kg (ppm))	0047	26.53	0.6400				1			0
022.99	Copper, Miscellaneous (mg / kg (ppm))	0619	23.55	0.7000				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			
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0001	421.7	21.70				1			0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0511	379.5	9.000	435.8	40.34	16.53	10	-1.39	6%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0164	384.5	17.00	435.8	40.34	16.53	10	-1.27	6%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0407	425.5	2.110	435.8	40.34	16.53	10	-0.26	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0098	426.9	19.80	435.8	40.34	16.53	10	-0.22	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0208	437.7	26.90	435.8	40.34	16.53	10	0.05	0%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0019	439.4	26.70	435.8	40.34	16.53	10	0.09	0%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0171	444.0	1.200	435.8	40.34	16.53	10	0.20	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0051	450.0	48.00	435.8	40.34	16.53	10	0.35	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0074	474.0	12.00	435.8	40.34	16.53	10	0.95	4%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	2114	516.3	2.542	435.8	40.34	16.53	10	2.00	9%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0870	405.1	19.60				2			0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	2207	425.0	0.0000				2			0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2058	390.9	17.08	441.2	31.82	23.02	10	-1.58	6%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2136	415.5	27.00	441.2	31.82	23.02	10	-0.81	3%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0510	418.5	1.000	441.2	31.82	23.02	10	-0.71	3%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2124	435.1	7.370	441.2	31.82	23.02	10	-0.19	1%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2033	440.0	20.00	441.2	31.82	23.02	10	-0.04	0%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0027	443.8	27.70	441.2	31.82	23.02	10	0.08	0%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0964	448.6	10.05	441.2	31.82	23.02	10	0.23	1%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0098	453.5	1.600	441.2	31.82	23.02	10	0.39	1%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2094	474.5	45.00	441.2	31.82	23.02	10	1.05	4%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2089	538.6	73.42	441.2	31.82	23.02	10	3.06	11%	0
025.52	Iron, ICP-MS, Open vessel (mg / kg (ppm))	0047	462.9	54.10				1			0
025.99	Iron, Miscellaneous (mg / kg (ppm))	0619	302.5	1.000				1			0
027.31	Magnesium, AAS, Dry ash (%)	0001	0.2132	0.0026				2			0
027.31	Magnesium, AAS, Dry ash (%)	2115	0.2430	0.0020				2			0
027.41	Magnesium, ICP, Dry ash (%)	0051	0.2033	0.0036	0.2223	0.0121	0.0074	10	-1.56	4%	0
027.41	Magnesium, ICP, Dry ash (%)	0407	0.2051	0.0151	0.2223	0.0121	0.0074	10	-1.42	4%	0
027.41	Magnesium, ICP, Dry ash (%)	0098	0.2200	0.0000	0.2223	0.0121	0.0074	10	-0.19	1%	0
027.41	Magnesium, ICP, Dry ash (%)	2232	0.2230	0.0180	0.2223	0.0121	0.0074	10	0.06	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0171	0.2250	0.0080	0.2223	0.0121	0.0074	10	0.23	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0511	0.2250	0.0100	0.2223	0.0121	0.0074	10	0.23	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0164	0.2260	0.0000	0.2223	0.0121	0.0074	10	0.31	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0208	0.2260	0.0000	0.2223	0.0121	0.0074	10	0.31	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0074	0.2285	0.0190	0.2223	0.0121	0.0074	10	0.51	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0019	0.2400	0.0000	0.2223	0.0121	0.0074	10	1.46	4%	0
027.42	Magnesium, ICP, Open vessel (%)	0870	0.2104	0.0055				2			0
027.42	Magnesium, ICP, Open vessel (%)	2207	0.2350	0.0100				2			0
027.43	Magnesium, ICP, Microwave (%)	0202	0.2100	0.0020	0.2259	0.0069	0.0063	10	-2.32	4%	0
027.43	Magnesium, ICP, Microwave (%)	0098	0.2200	0.0000	0.2259	0.0069	0.0063	10	-0.86	1%	0
027.43	Magnesium, ICP, Microwave (%)	0510	0.2200	0.0000	0.2259	0.0069	0.0063	10	-0.86	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
027.43	Magnesium, ICP, Microwave (%)	2089	0.2250	0.0100	0.2259	0.0069	0.0063	10	-0.13	0%	0
027.43	Magnesium, ICP, Microwave (%)	2094	0.2250	0.0100	0.2259	0.0069	0.0063	10	-0.13	0%	0
027.43	Magnesium, ICP, Microwave (%)	0027	0.2285	0.0070	0.2259	0.0069	0.0063	10	0.38	1%	0
027.43	Magnesium, ICP, Microwave (%)	2187	0.2289	0.0029	0.2259	0.0069	0.0063	10	0.43	1%	0
027.43	Magnesium, ICP, Microwave (%)	2033	0.2300	0.0200	0.2259	0.0069	0.0063	10	0.60	1%	0
027.43	Magnesium, ICP, Microwave (%)	2124	0.2300	0.0000	0.2259	0.0069	0.0063	10	0.60	1%	0
027.43	Magnesium, ICP, Microwave (%)	0964	0.2449	0.0106	0.2259	0.0069	0.0063	10	2.77	4%	0
027.44	Magnesium, ICP, Dry ash (%)	2114	0.1905	0.0050	0.2332	0.0348	0.0032	6	-1.22	9%	0
027.44	Magnesium, ICP, Dry ash (%)	2220	0.2240	0.0040	0.2332	0.0348	0.0032	6	-0.26	2%	0
027.44	Magnesium, ICP, Dry ash (%)	2219	0.2270	0.0060	0.2332	0.0348	0.0032	6	-0.18	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2156	0.2320	0.0020	0.2332	0.0348	0.0032	6	-0.03	0%	0
027.44	Magnesium, ICP, Dry ash (%)	0065	0.2400	0.0000	0.2332	0.0348	0.0032	6	0.20	1%	0
027.44	Magnesium, ICP, Dry ash (%)	0873	0.9900	0.0020	0.2332	0.0348	0.0032	6	21.72	162%	0
027.52	Magnesium, ICP-MS, Open vessel (%)	0047	0.2340	0.0040				1			0
027.99	Magnesium, Miscellaneous (%)	0889	0.1900	0.0000				2			0
027.99	Magnesium, Miscellaneous (%)	0619	0.2215	0.0130				2			0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0001	18.64	1.730				2			0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	2115	20.49	0.1940				2			0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0511	15.00	0.0000	18.79	1.944	0.4804	9	-1.95	10%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0164	17.00	0.0000	18.79	1.944	0.4804	9	-0.92	5%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0407	18.20	1.514	18.79	1.944	0.4804	9	-0.30	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0051	18.49	0.1700	18.79	1.944	0.4804	9	-0.16	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0171	18.80	0.2700	18.79	1.944	0.4804	9	0.00	0%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0208	19.26	0.0500	18.79	1.944	0.4804	9	0.24	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0074	19.50	1.000	18.79	1.944	0.4804	9	0.36	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0098	20.30	0.3800	18.79	1.944	0.4804	9	0.78	4%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0019	21.76	0.9400	18.79	1.944	0.4804	9	1.53	8%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0870	16.13	0.5900				2			0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	2207	19.00	0.0000				2			0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2058	16.54	0.2000	19.78	1.630	0.9919	10	-1.99	8%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2033	18.25	1.500	19.78	1.630	0.9919	10	-0.94	4%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2089	18.79	2.260	19.78	1.630	0.9919	10	-0.61	3%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2094	19.00	2.000	19.78	1.630	0.9919	10	-0.48	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2124	19.82	0.1600	19.78	1.630	0.9919	10	0.02	0%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0510	20.00	0.0000	19.78	1.630	0.9919	10	0.13	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0964	20.57	0.4296	19.78	1.630	0.9919	10	0.48	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0098	20.77	0.4100	19.78	1.630	0.9919	10	0.60	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0027	21.47	1.188	19.78	1.630	0.9919	10	1.04	4%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0202	21.83	1.771	19.78	1.630	0.9919	10	1.26	5%	0
028.44	Manganese, ICP, Dry ash (mg / kg (ppm))	2114	14.30	0.2000				1			0
028.52	Manganese, ICP-MS, Open vessel (mg / kg (ppm))	0047	17.80	0.6400				1			0
028.99	Manganese, Miscellaneous (mg / kg (ppm))	0619	15.25	0.1000				1			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
031.01	Phosphorus, Photometric (%)	0208	3.935	0.2280	4.048	0.0888	0.1200	6	-1.27	1%	0
031.01	Phosphorus, Photometric (%)	2115	4.007	0.0820	4.048	0.0888	0.1200	6	-0.46	1%	0
031.01	Phosphorus, Photometric (%)	2220	4.035	0.0500	4.048	0.0888	0.1200	6	-0.14	0%	0
031.01	Phosphorus, Photometric (%)	2219	4.060	0.1400	4.048	0.0888	0.1200	6	0.14	0%	0
031.01	Phosphorus, Photometric (%)	0511	4.080	0.2200	4.048	0.0888	0.1200	6	0.36	0%	0
031.01	Phosphorus, Photometric (%)	2156	4.170	0.0000	4.048	0.0888	0.1200	6	1.38	2%	0
031.03	Phosphorus, Autoanalyzer (%)	0001	4.082	0.0060				1			0
031.41	Phosphorus, ICP, Dry ash (%)	0164	3.745	0.1700	3.969	0.2205	0.1761	10	-1.02	3%	0
031.41	Phosphorus, ICP, Dry ash (%)	2114	3.802	0.1530	3.969	0.2205	0.1761	10	-0.76	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0098	3.822	0.0470	3.969	0.2205	0.1761	10	-0.67	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	2232	3.827	0.3190	3.969	0.2205	0.1761	10	-0.65	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0019	3.870	0.2400	3.969	0.2205	0.1761	10	-0.45	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0171	3.915	0.3700	3.969	0.2205	0.1761	10	-0.25	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0407	4.041	0.0319	3.969	0.2205	0.1761	10	0.33	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0051	4.165	0.0043	3.969	0.2205	0.1761	10	0.89	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0208	4.215	0.2260	3.969	0.2205	0.1761	10	1.12	3%	0
031.41	Phosphorus, ICP, Dry ash (%)	0074	4.290	0.2000	3.969	0.2205	0.1761	10	1.46	4%	0
031.42	Phosphorus, ICP, Open vessel (%)	0870	3.649	0.0740				2			0
031.42	Phosphorus, ICP, Open vessel (%)	2207	4.180	0.0800				2			0
031.43	Phosphorus, ICP, Microwave (%)	0098	3.904	0.0840	4.204	0.2383	0.1789	11	-1.26	4%	0
031.43	Phosphorus, ICP, Microwave (%)	0202	3.956	0.0490	4.204	0.2383	0.1789	11	-1.04	3%	0
031.43	Phosphorus, ICP, Microwave (%)	2094	3.995	0.0700	4.204	0.2383	0.1789	11	-0.88	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0964	4.087	0.0744	4.204	0.2383	0.1789	11	-0.49	1%	0
031.43	Phosphorus, ICP, Microwave (%)	2187	4.148	0.0393	4.204	0.2383	0.1789	11	-0.23	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0027	4.177	0.2810	4.204	0.2383	0.1789	11	-0.11	0%	0
031.43	Phosphorus, ICP, Microwave (%)	2124	4.235	0.0100	4.204	0.2383	0.1789	11	0.13	0%	0
031.43	Phosphorus, ICP, Microwave (%)	2136	4.355	0.2100	4.204	0.2383	0.1789	11	0.63	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0510	4.400	0.0200	4.204	0.2383	0.1789	11	0.82	2%	0
031.43	Phosphorus, ICP, Microwave (%)	2033	4.490	0.4200	4.204	0.2383	0.1789	11	1.20	3%	0
031.43	Phosphorus, ICP, Microwave (%)	2089	4.495	0.7100	4.204	0.2383	0.1789	11	1.22	3%	0
031.44	Phosphorus, ICP, Dry ash (%)	0873	3.880	0.0400				2			0
031.44	Phosphorus, ICP, Dry ash (%)	0065	4.120	0.0000				2			0
031.99	Phosphorus, Miscellaneous (%)	0889	1.985	0.0700				3			0
031.99	Phosphorus, Miscellaneous (%)	0676	3.275	0.1500				3			0
031.99	Phosphorus, Miscellaneous (%)	0619	4.285	0.5100				3			0
032.31	Potassium, AAS, Dry ash (%)	2115	0.5395	0.0170				1			0
032.41	Potassium, ICP, Dry ash (%)	0019	0.4850	0.0100	0.5414	0.0391	0.0209	10	-1.44	5%	0
032.41	Potassium, ICP, Dry ash (%)	0407	0.5137	0.0472	0.5414	0.0391	0.0209	10	-0.71	3%	0
032.41	Potassium, ICP, Dry ash (%)	0511	0.5200	0.0600	0.5414	0.0391	0.0209	10	-0.55	2%	0
032.41	Potassium, ICP, Dry ash (%)	2232	0.5240	0.0320	0.5414	0.0391	0.0209	10	-0.44	2%	0
032.41	Potassium, ICP, Dry ash (%)	0164	0.5350	0.0200	0.5414	0.0391	0.0209	10	-0.16	1%	0
032.41	Potassium, ICP, Dry ash (%)	0074	0.5450	0.0100	0.5414	0.0391	0.0209	10	0.09	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	
032.41	Potassium, ICP, Dry ash (%)	0208	0.5465	0.0010	0.5414	0.0391	0.0209	10	0.13	0%	0
032.41	Potassium, ICP, Dry ash (%)	0098	0.5550	0.0100	0.5414	0.0391	0.0209	10	0.35	1%	0
032.41	Potassium, ICP, Dry ash (%)	0171	0.5910	0.0180	0.5414	0.0391	0.0209	10	1.27	5%	0
032.41	Potassium, ICP, Dry ash (%)	0051	0.5985	0.0010	0.5414	0.0391	0.0209	10	1.46	5%	0
032.42	Potassium, ICP, Open vessel (%)	0870	0.5193	0.0226				2			0
032.42	Potassium, ICP, Open vessel (%)	2207	0.5900	0.0000				2			0
032.43	Potassium, ICP, Microwave (%)	2136	0.5160	0.0260	0.5539	0.0334	0.0160	11	-1.14	3%	0
032.43	Potassium, ICP, Microwave (%)	2187	0.5224	0.0141	0.5539	0.0334	0.0160	11	-0.94	3%	0
032.43	Potassium, ICP, Microwave (%)	0027	0.5340	0.0280	0.5539	0.0334	0.0160	11	-0.60	2%	0
032.43	Potassium, ICP, Microwave (%)	0202	0.5375	0.0010	0.5539	0.0334	0.0160	11	-0.49	1%	0
032.43	Potassium, ICP, Microwave (%)	0098	0.5400	0.0000	0.5539	0.0334	0.0160	11	-0.42	1%	0
032.43	Potassium, ICP, Microwave (%)	2089	0.5450	0.0100	0.5539	0.0334	0.0160	11	-0.27	1%	0
032.43	Potassium, ICP, Microwave (%)	2033	0.5600	0.0200	0.5539	0.0334	0.0160	11	0.18	1%	0
032.43	Potassium, ICP, Microwave (%)	2094	0.5650	0.0500	0.5539	0.0334	0.0160	11	0.33	1%	0
032.43	Potassium, ICP, Microwave (%)	2124	0.5650	0.0100	0.5539	0.0334	0.0160	11	0.33	1%	0
032.43	Potassium, ICP, Microwave (%)	0510	0.6100	0.0000	0.5539	0.0334	0.0160	11	1.68	5%	0
032.43	Potassium, ICP, Microwave (%)	0964	0.6227	0.0172	0.5539	0.0334	0.0160	11	2.06	6%	0
032.44	Potassium, ICP, Dry ash (%)	2114	0.4980	0.0020	0.5800	0.0175	0.0137	6	-4.69	7%	0
032.44	Potassium, ICP, Dry ash (%)	0065	0.5700	0.0000	0.5800	0.0175	0.0137	6	-0.57	1%	0
032.44	Potassium, ICP, Dry ash (%)	2219	0.5800	0.0200	0.5800	0.0175	0.0137	6	0.00	0%	0
032.44	Potassium, ICP, Dry ash (%)	2156	0.5800	0.0400	0.5800	0.0175	0.0137	6	0.00	0%	0
032.44	Potassium, ICP, Dry ash (%)	2220	0.5900	0.0000	0.5800	0.0175	0.0137	6	0.57	1%	0
032.44	Potassium, ICP, Dry ash (%)	0873	1.040	0.0200	0.5800	0.0175	0.0137	6	26.30	40%	0
032.99	Potassium, Miscellaneous (%)	0001	0.5065	0.0210				2			0
032.99	Potassium, Miscellaneous (%)	0619	0.5140	0.0020				2			0
032.99	Potassium, Miscellaneous (%)	0889	0.0000	0.0000				2			4
033.00	Salt as chloride, Sol Cl (%)	0309	0.5532	0.0064				1			0
033.01	Salt as chloride, Poten Cl (%)	0407	0.5300	0.0020	0.5480	0.0247	0.0044	5			0
033.01	Salt as chloride, Poten Cl (%)	0510	0.5350	0.0100	0.5480	0.0247	0.0044	5			0
033.01	Salt as chloride, Poten Cl (%)	0650	0.5350	0.0100	0.5480	0.0247	0.0044	5			0
033.01	Salt as chloride, Poten Cl (%)	0098	0.5500	0.0000	0.5480	0.0247	0.0044	5			0
033.01	Salt as chloride, Poten Cl (%)	0164	0.5900	0.0000	0.5480	0.0247	0.0044	5			0
033.03	Salt as chloride, Quantab (%)	0656	0.4700	0.0000				1			0
033.05	Salt as chloride, Ion Sel Electrode (%)	0171	0.3950	0.0100				1			0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0171	0.7990	0.0520				1			0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	0407	1.140	0.1200				2			0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	2124	1.285	0.1300				2			0
034.52	Selenium, ICP-MS, Open vessel (mg / kg (ppm))	0047	0.6600	0.0620				1			0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	2033	0.8950	0.0700				3			0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0164	0.9275	0.0050				3			0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	2094	1.150	0.1200				3			0
035.41	Sodium, ICP, Dry ash (%)	2114	0.4510	0.0020	0.5722	0.0336	0.0187	16	-3.61	11%	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 (%)	0407	0.4552	0.0051	0.5722	0.0336	0.0187	16	-3.48	10%	0
035.41	Sodium, ICP, Dry ash (%)	0164	0.5420	0.0280	0.5722	0.0336	0.0187	16	-0.90	3%	0
035.41	Sodium, ICP, Dry ash (%)	0619	0.5425	0.0150	0.5722	0.0336	0.0187	16	-0.88	3%	0
035.41	Sodium, ICP, Dry ash (%)	0873	0.5550	0.0100	0.5722	0.0336	0.0187	16	-0.51	1%	0
035.41	Sodium, ICP, Dry ash (%)	0019	0.5600	0.0600	0.5722	0.0336	0.0187	16	-0.36	1%	0
035.41	Sodium, ICP, Dry ash (%)	0208	0.5635	0.0110	0.5722	0.0336	0.0187	16	-0.26	1%	0
035.41	Sodium, ICP, Dry ash (%)	0098	0.5750	0.0100	0.5722	0.0336	0.0187	16	0.08	0%	0
035.41	Sodium, ICP, Dry ash (%)	2232	0.5760	0.0240	0.5722	0.0336	0.0187	16	0.11	0%	0
035.41	Sodium, ICP, Dry ash (%)	0065	0.5900	0.0000	0.5722	0.0336	0.0187	16	0.53	2%	0
035.41	Sodium, ICP, Dry ash (%)	0511	0.5900	0.0400	0.5722	0.0336	0.0187	16	0.53	2%	0
035.41	Sodium, ICP, Dry ash (%)	0171	0.5925	0.0350	0.5722	0.0336	0.0187	16	0.61	2%	0
035.41	Sodium, ICP, Dry ash (%)	0051	0.5985	0.0263	0.5722	0.0336	0.0187	16	0.78	2%	0
035.41	Sodium, ICP, Dry ash (%)	2156	0.6050	0.0100	0.5722	0.0336	0.0187	16	0.98	3%	0
035.41	Sodium, ICP, Dry ash (%)	2219	0.6100	0.0000	0.5722	0.0336	0.0187	16	1.13	3%	0
035.41	Sodium, ICP, Dry ash (%)	2220	0.6110	0.0220	0.5722	0.0336	0.0187	16	1.16	3%	0
035.42	Sodium, ICP, Open vessel (%)	0870	0.5469	0.0277				2			0
035.42	Sodium, ICP, Open vessel (%)	2207	0.6200	0.0200				2			0
035.43	Sodium, ICP, Microwave (%)	0098	0.5500	0.0000	0.5879	0.0292	0.0156	10	-1.29	3%	0
035.43	Sodium, ICP, Microwave (%)	2136	0.5625	0.0010	0.5879	0.0292	0.0156	10	-0.87	2%	0
035.43	Sodium, ICP, Microwave (%)	2187	0.5708	0.0080	0.5879	0.0292	0.0156	10	-0.58	1%	0
035.43	Sodium, ICP, Microwave (%)	0202	0.5710	0.0260	0.5879	0.0292	0.0156	10	-0.58	1%	0
035.43	Sodium, ICP, Microwave (%)	2094	0.5850	0.0100	0.5879	0.0292	0.0156	10	-0.10	0%	0
035.43	Sodium, ICP, Microwave (%)	2124	0.5850	0.0100	0.5879	0.0292	0.0156	10	-0.10	0%	0
035.43	Sodium, ICP, Microwave (%)	2089	0.6000	0.0400	0.5879	0.0292	0.0156	10	0.42	1%	0
035.43	Sodium, ICP, Microwave (%)	2033	0.6025	0.0210	0.5879	0.0292	0.0156	10	0.50	1%	0
035.43	Sodium, ICP, Microwave (%)	0510	0.6200	0.0000	0.5879	0.0292	0.0156	10	1.10	3%	0
035.43	Sodium, ICP, Microwave (%)	0964	0.7256	0.0398	0.5879	0.0292	0.0156	10	4.71	12%	0
035.99	Sodium, Miscellaneous (%)	0889	0.1250	0.0300				1			0
036.04	Sulfur, LECO (%)	0001	0.4770	0.0180				1			0
036.42	Sulfur, ICP, Open vessel (%)	0870	0.4639	0.0267	0.4914	0.0221	0.0108	5			0
036.42	Sulfur, ICP, Open vessel (%)	0171	0.4775	0.0110	0.4914	0.0221	0.0108	5			0
036.42	Sulfur, ICP, Open vessel (%)	0407	0.4906	0.0064	0.4914	0.0221	0.0108	5			0
036.42	Sulfur, ICP, Open vessel (%)	0164	0.5050	0.0100	0.4914	0.0221	0.0108	5			0
036.42	Sulfur, ICP, Open vessel (%)	2207	0.5200	0.0000	0.4914	0.0221	0.0108	5			0
036.43	Sulfur, ICP, Microwave (%)	0098	0.4918	0.0019	0.6016	0.1274	0.0084	7	-0.86	9%	0
036.43	Sulfur, ICP, Microwave (%)	0202	0.4970	0.0080	0.6016	0.1274	0.0084	7	-0.82	9%	0
036.43	Sulfur, ICP, Microwave (%)	2089	0.5250	0.0100	0.6016	0.1274	0.0084	7	-0.60	6%	0
036.43	Sulfur, ICP, Microwave (%)	0964	0.5522	0.0088	0.6016	0.1274	0.0084	7	-0.39	4%	0
036.43	Sulfur, ICP, Microwave (%)	2033	0.6700	0.0200	0.6016	0.1274	0.0084	7	0.54	6%	0
036.43	Sulfur, ICP, Microwave (%)	0510	0.7000	0.0000	0.6016	0.1274	0.0084	7	0.77	8%	0
036.43	Sulfur, ICP, Microwave (%)	2094	0.7750	0.0100	0.6016	0.1274	0.0084	7	1.36	14%	0
036.99	Sulfur, Miscellaneous (%)	0889	0.6450	0.0100				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			
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0001	158.8	7.300				1			0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0164	130.0	2.000	152.9	6.030	5.424	9	-3.80	7%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0208	148.0	1.200	152.9	6.030	5.424	9	-0.81	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0051	149.9	4.360	152.9	6.030	5.424	9	-0.50	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0098	150.9	4.600	152.9	6.030	5.424	9	-0.33	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0407	152.8	0.7557	152.9	6.030	5.424	9	-0.01	0%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0511	155.5	11.00	152.9	6.030	5.424	9	0.43	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0019	155.8	6.700	152.9	6.030	5.424	9	0.47	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0171	159.4	12.20	152.9	6.030	5.424	9	1.08	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0074	160.0	6.000	152.9	6.030	5.424	9	1.18	2%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0870	124.3	2.300				2			0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	2207	150.0	4.000				2			0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2058	130.5	1.000	159.6	11.25	3.015	10	-2.58	9%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0202	148.6	0.8180	159.6	11.25	3.015	10	-0.98	3%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2089	154.1	2.320	159.6	11.25	3.015	10	-0.49	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2033	156.0	6.000	159.6	11.25	3.015	10	-0.32	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2094	158.8	4.500	159.6	11.25	3.015	10	-0.07	0%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2124	159.0	4.000	159.6	11.25	3.015	10	-0.05	0%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0964	165.6	0.3630	159.6	11.25	3.015	10	0.54	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0510	166.0	0.0000	159.6	11.25	3.015	10	0.57	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0027	169.1	6.846	159.6	11.25	3.015	10	0.85	3%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0098	176.0	4.300	159.6	11.25	3.015	10	1.46	5%	0
037.44	Zinc, ICP, Dry ash (mg / kg (ppm))	2114	129.6	1.690				1			0
037.52	Zinc, ICP-MS, Open vessel (mg / kg (ppm))	0047	177.2	3.300				1			0
037.99	Zinc, Miscellaneous (mg / kg (ppm))	0619	115.0	0.0000				2			0
037.99	Zinc, Miscellaneous (mg / kg (ppm))	0889	130.4	8.480				2			0
038.41	Molybdenum, ICP, Dry ash (mg / kg (ppm))	0171	0.3175	0.0230				1			0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0510	0.6300	0.0200				1			0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	0164	0.4360	0.0040				1			0
042.00	Chloride, Titrimetric (%)	2124	0.3535	0.0010				1			0
101.02	Choline Chloride, LC (mg / kg (ppm))	0227	1,946	7.000				1			0
102.02	Niacin, LC (mg / kg (ppm))	2124	6.295	0.6300				1			0
103.02	Pantothenic Acid, LC (mg / kg (ppm))	2124	16.04	0.2400				1			0
104.03	Riboflavin, LC (mg / kg (ppm))	2124	< 1.25					0			5
105.00	Thiamine, LC (mg / kg (ppm))	2124	18.43	1.060				1			0
106.02	Vitamin A, LC (KU / kg)	0676	0.1350	0.0300				1			0
107.00	Vitamin B12, Microbiological (µg / kg (ppb))	0227	131.0	4.000				1			0
109.02	Vitamin E, LC (IU / kg)	0676	2.085	0.0100				1			0
112.01	Pyridoxine, LC (µg / g)	2124	14.99	1.130				1			0
120.00	Alanine, Post-col Ninhydrin Der (%)	0504	3.710	0.1400	3.885	0.1164	0.0610	5			0
120.00	Alanine, Post-col Ninhydrin Der (%)	0870	3.857	0.0639	3.885	0.1164	0.0610	5			0
120.00	Alanine, Post-col Ninhydrin Der (%)	0227	3.890	0.0200	3.885	0.1164	0.0610	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			
120.00	Alanine, Post-col Ninhydrin Der (%)	0619	3.945	0.0500	3.885	0.1164	0.0610	5		0	
120.00	Alanine, Post-col Ninhydrin Der (%)	0171	4.024	0.0310	3.885	0.1164	0.0610	5		0	
120.05	Alanine, Pre-col AQC Der (%)	0407	3.132	0.0030				2		0	
120.05	Alanine, Pre-col AQC Der (%)	0676	3.585	0.1900				2		0	
120.99	Alanine, Miscellaneous (%)	0889	3.155	0.0100				1		0	
121.00	Arginine, Post-col Ninhydrin Der (%)	0504	3.610	0.1000	3.733	0.0965	0.0659	4		0	
121.00	Arginine, Post-col Ninhydrin Der (%)	0870	3.706	0.0534	3.733	0.0965	0.0659	4		0	
121.00	Arginine, Post-col Ninhydrin Der (%)	0227	3.785	0.0500	3.733	0.0965	0.0659	4		0	
121.00	Arginine, Post-col Ninhydrin Der (%)	0619	3.830	0.0600	3.733	0.0965	0.0659	4		0	
121.00	Arginine, Post-col Ninhydrin Der (%)	0171	6.340	4.984	3.733	0.0965	0.0659	4		2	
121.05	Arginine, Pre-col AQC Der (%)	0407	3.386	0.0460				2		0	
121.05	Arginine, Pre-col AQC Der (%)	0676	3.570	0.0800				2		0	
121.99	Arginine, Miscellaneous (%)	0889	0.8500	0.0000				1		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0504	4.020	0.1400	4.206	0.1788	0.0573	5		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0227	4.090	0.0400	4.206	0.1788	0.0573	5		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0870	4.129	0.0323	4.206	0.1788	0.0573	5		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0171	4.367	0.0040	4.206	0.1788	0.0573	5		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0619	4.425	0.0700	4.206	0.1788	0.0573	5		0	
122.05	Aspartic, Pre-col AQC Der (%)	0407	3.312	0.0550				2		0	
122.05	Aspartic, Pre-col AQC Der (%)	0676	4.320	0.1600				2		0	
122.99	Aspartic, Miscellaneous (%)	0889	4.075	0.0700				1		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydry (%)	0870	0.4314	0.0141	0.5355	0.1050	0.0208	5		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydry (%)	0227	0.4800	0.0000	0.5355	0.1050	0.0208	5		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydry (%)	0171	0.5055	0.0190	0.5355	0.1050	0.0208	5		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydry (%)	0504	0.5550	0.0500	0.5355	0.1050	0.0208	5		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydry (%)	0619	0.7055	0.0210	0.5355	0.1050	0.0208	5		0	
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0407	0.2585	0.0070				2		0	
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0676	0.6100	0.0000				2		0	
124.99	Cysteine/Cystine, Miscellaneous (%)	0889	4.665	0.0100				1		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0171	5.900	0.0130	6.781	0.6377	0.0781	5		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0504	6.445	0.1900	6.781	0.6377	0.0781	5		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0227	6.820	0.0200	6.781	0.6377	0.0781	5		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0870	7.224	0.0977	6.781	0.6377	0.0781	5		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0619	7.515	0.0700	6.781	0.6377	0.0781	5		0	
125.05	Glutamic, Pre-col AQC Der (%)	0407	5.572	0.1020				2		0	
125.05	Glutamic, Pre-col AQC Der (%)	0676	6.605	0.4300				2		0	
125.99	Glutamic, Miscellaneous (%)	0889	6.810	0.2800				1		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0504	6.270	0.2000	6.521	0.2394	0.1055	5		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0171	6.395	0.0160	6.521	0.2394	0.1055	5		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0870	6.405	0.1816	6.521	0.2394	0.1055	5		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0619	6.680	0.1200	6.521	0.2394	0.1055	5		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0227	6.855	0.0100	6.521	0.2394	0.1055	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			
126.05	Glycine, Pre-col AQC Der (%)	0676	6.165	0.1100				2			0
126.05	Glycine, Pre-col AQC Der (%)	0407	6.174	0.1130				2			0
126.99	Glycine, Miscellaneous (%)	0889	2.455	0.0100				1			0
127.00	Histidine, Post-col Ninhydrin Der (%)	0504	1.030	0.0600	1.107	0.1019	0.0311	5			0
127.00	Histidine, Post-col Ninhydrin Der (%)	0227	1.035	0.0100	1.107	0.1019	0.0311	5			0
127.00	Histidine, Post-col Ninhydrin Der (%)	0870	1.067	0.0697	1.107	0.1019	0.0311	5			0
127.00	Histidine, Post-col Ninhydrin Der (%)	0171	1.130	0.0060	1.107	0.1019	0.0311	5			0
127.00	Histidine, Post-col Ninhydrin Der (%)	0619	1.275	0.0100	1.107	0.1019	0.0311	5			0
127.05	Histidine, Pre-col AQC Der (%)	0407	0.9915	0.0790				2			0
127.05	Histidine, Pre-col AQC Der (%)	0676	1.035	0.0300				2			0
127.99	Histidine, Miscellaneous (%)	0889	3.120	0.1000				1			0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0870	1.528	0.1034	1.635	0.0867	0.0459	5			0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0227	1.565	0.0100	1.635	0.0867	0.0459	5			0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0504	1.660	0.0600	1.635	0.0867	0.0459	5			0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0171	1.681	0.0160	1.635	0.0867	0.0459	5			0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0619	1.740	0.0400	1.635	0.0867	0.0459	5			0
128.05	Isoleucine, Pre-col AQC Der (%)	0407	1.459	0.0650				2			0
128.05	Isoleucine, Pre-col AQC Der (%)	0676	1.600	0.1400				2			0
128.99	Isoleucine, Miscellaneous (%)	0889	3.685	0.0100				1			0
129.00	Leucine, Post-col Ninhydrin Der (%)	0870	3.284	0.1258	3.385	0.1341	0.0656	5			0
129.00	Leucine, Post-col Ninhydrin Der (%)	0504	3.300	0.1600	3.385	0.1341	0.0656	5			0
129.00	Leucine, Post-col Ninhydrin Der (%)	0227	3.345	0.0100	3.385	0.1341	0.0656	5			0
129.00	Leucine, Post-col Ninhydrin Der (%)	0171	3.381	0.0020	3.385	0.1341	0.0656	5			0
129.00	Leucine, Post-col Ninhydrin Der (%)	0619	3.615	0.0300	3.385	0.1341	0.0656	5			0
129.05	Leucine, Pre-col AQC Der (%)	0407	2.925	0.0380				2			0
129.05	Leucine, Pre-col AQC Der (%)	0676	3.300	0.1800				2			0
129.99	Leucine, Miscellaneous (%)	0889	1.175	0.0100				1			0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0171	2.566	0.0170	3.021	0.2680	0.0614	5			0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0227	3.045	0.0100	3.021	0.2680	0.0614	5			0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0504	3.060	0.1200	3.021	0.2680	0.0614	5			0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0870	3.193	0.0999	3.021	0.2680	0.0614	5			0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0619	3.240	0.0600	3.021	0.2680	0.0614	5			0
130.05	L-Lysine, Pre-col AQC Der (%)	0407	2.436	0.0660				2			0
130.05	L-Lysine, Pre-col AQC Der (%)	0676	3.015	0.1700				2			0
130.99	L-Lysine, Miscellaneous (%)	0889	2.355	0.0500				1			0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0619	0.5795	0.0090	0.7856	0.1231	0.0255	5			0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0504	0.7850	0.0500	0.7856	0.1231	0.0255	5			0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0227	0.8050	0.0300	0.7856	0.1231	0.0255	5			0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0870	0.8695	0.0385	0.7856	0.1231	0.0255	5			0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0171	0.8890	0.0000	0.7856	0.1231	0.0255	5			0
131.05	Methionine, PAO Pre-col AQC Der (%)	0407	0.7453	0.0705				2			0
131.05	Methionine, PAO Pre-col AQC Der (%)	0676	0.9250	0.0700				2			0



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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
131.99	Methionine, Miscellaneous (%)	0889	2.100	0.0200				1		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0227	1.775	0.0100	1.894	0.0891	0.0451	5		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0870	1.839	0.0735	1.894	0.0891	0.0451	5		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0171	1.900	0.0120	1.894	0.0891	0.0451	5		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0504	1.960	0.1200	1.894	0.0891	0.0451	5		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0619	1.995	0.0100	1.894	0.0891	0.0451	5		0	
132.05	Phenylalanine, Pre-col AQC Der (%)	0407	1.617	0.0900				2		0	
132.05	Phenylalanine, Pre-col AQC Der (%)	0676	1.800	0.1400				2		0	
132.99	Phenylalanine, Miscellaneous (%)	0889	1.770	0.0000				1		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0504	3.890	0.0200	4.041	0.1765	0.0444	5		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0870	3.903	0.1038	4.041	0.1765	0.0444	5		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0619	3.955	0.0500	4.041	0.1765	0.0444	5		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0171	4.176	0.0480	4.041	0.1765	0.0444	5		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0227	4.280	0.0000	4.041	0.1765	0.0444	5		0	
133.05	Proline, Pre-col AQC Der (%)	0407	3.744	0.0850				2		0	
133.05	Proline, Pre-col AQC Der (%)	0676	3.840	0.0800				2		0	
133.99	Proline, Miscellaneous (%)	0889	3.260	0.0400				1		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0504	1.885	0.1100	2.182	0.1916	0.0448	5		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0171	2.142	0.0010	2.182	0.1916	0.0448	5		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0227	2.180	0.0000	2.182	0.1916	0.0448	5		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0619	2.340	0.0600	2.182	0.1916	0.0448	5		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0870	2.361	0.0529	2.182	0.1916	0.0448	5		0	
134.05	Serine, Pre-col AQC Der (%)	0407	1.857	0.0650				2		0	
134.05	Serine, Pre-col AQC Der (%)	0676	2.375	0.0100				2		0	
134.99	Serine, Miscellaneous (%)	0889	3.270	0.0400				1		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0504	1.745	0.0900	1.883	0.1077	0.0462	5		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0227	1.815	0.0100	1.883	0.1077	0.0462	5		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0870	1.889	0.0748	1.883	0.1077	0.0462	5		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0619	1.950	0.0400	1.883	0.1077	0.0462	5		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0171	2.018	0.0160	1.883	0.1077	0.0462	5		0	
135.05	Threonine, Pre-col AQC Der (%)	0407	1.444	0.0570				2		0	
135.05	Threonine, Pre-col AQC Der (%)	0676	1.770	0.1200				2		0	
135.99	Threonine, Miscellaneous (%)	0889	3.645	0.0500				1		0	
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0619	0.3270	0.0100				3		0	
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0870	0.4095	0.0046				3		0	
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0227	0.4150	0.0100				3		0	
136.05	Tryptophan, Pre-col AQC Der (%)	0407	0.3400	0.0300				1		0	
136.99	Tryptophan, Miscellaneous (%)	0889	0.2400	0.0200				2		0	
136.99	Tryptophan, Miscellaneous (%)	0504	0.3750	0.0100				2		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0870	1.170	0.0344	1.362	0.1561	0.0386	4		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0227	1.310	0.0200	1.362	0.1561	0.0386	4		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0504	1.445	0.0500	1.362	0.1561	0.0386	4		0	

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
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137.00	Tyrosine, Post-col Ninhydrin Der (%)	0171	1.525	0.0500	1.362	0.1561	0.0386	4		0	
137.05	Tyrosine, Pre-col AQC Der (%)	0407	1.194	0.0820				2		0	
137.05	Tyrosine, Pre-col AQC Der (%)	0676	1.545	0.1100				2		0	
137.99	Tyrosine, Miscellaneous (%)	0889	0.2500	0.0800				1		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0870	2.200	0.1053	2.343	0.1065	0.0497	5		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0227	2.305	0.0300	2.343	0.1065	0.0497	5		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0504	2.350	0.1000	2.343	0.1065	0.0497	5		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0171	2.364	0.0030	2.343	0.1065	0.0497	5		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0619	2.495	0.0100	2.343	0.1065	0.0497	5		0	
138.05	Valine, Pre-col AQC Der (%)	0407	2.006	0.1950				2		0	
138.05	Valine, Pre-col AQC Der (%)	0676	2.305	0.1500				2		0	
138.99	Valine, Miscellaneous (%)	0889	0.4550	0.0100				1		0	
139.00	Taurine, Post-col Ninhydrin Der (%)	0227	0.1050	0.0100				2		0	
139.00	Taurine, Post-col Ninhydrin Der (%)	0504	0.1250	0.0100				2		0	
139.05	Taurine, Pre-col AQC Der (%)	0407	0.1215	0.0050				1		0	
139.99	Taurine, Miscellaneous (%)	0889	0.2600	0.0000				1		0	
400.01	Water Activity, Aqualab chilled mirror (Units)	0407	0.4478	0.0013				1		0	
400.99	Water Activity, Miscellaneous (Units)	0015	0.4450	0.0100				1		0	
412.01	Starch, Dietary, Enzymatic-Colorimetric (%)	0015	0.9000	0.4000				1		0	
516.00	Arsenic, Total, AA, Hydride (mg / kg (ppm))	0171	0.0610	0.0020				1		0	
516.43	Arsenic, Total, ICP, Microwave (mg / kg (ppm))	0407	2.466	0.1150				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	0.0550	0.0000				1		0	
518.41	Cadmium, ICP, Dry ash (mg / kg (ppm))	0171	< 0.05					0		5	
518.43	Cadmium, ICP, Microwave (mg / kg (ppm))	2124	< 0.16					0		5	
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0227	0.0195	0.0010				1		0	
520.41	Chromium, ICP, Dry ash (mg / kg (ppm))	0171	8.195	0.1290				1		0	
520.43	Chromium, ICP, Microwave (mg / kg (ppm))	0510	2.320	0.0200				1		0	
526.41	Lead, ICP, Dry ash (mg / kg (ppm))	0171	2.609	0.6610				1		0	
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0227	1.800	0.0600				1		0	
539.41	Nickel, ICP, Dry ash (mg / kg (ppm))	0171	2.634	0.0080				1		0	
710.99	Lauric Acid (12:0), Miscellaneous (% (w/w))	2124	0.0100	0.0000				2		0	
710.99	Lauric Acid (12:0), Miscellaneous (% (w/w))	0676	0.0195	0.0030				2		0	
714.99	Myristic Acid (14:0 ), Miscellaneous (% (w/w))	2124	0.1800	0.0000				1		0	
716.99	Palmitic Acid (16:0), Miscellaneous (% (w/w))	2124	3.220	0.1200				1		0	
718.99	Palmitoleic Acid (9c-16:1), Miscellaneous (% (w/w))	0676	0.2235	0.0170				2		0	
718.99	Palmitoleic Acid (9c-16:1), Miscellaneous (% (w/w))	2124	0.2300	0.0000				2		0	
722.99	Stearic Acid (18:0), Miscellaneous (% (w/w))	2124	2.095	0.0900				1		0	
724.99	Oleic Acid (9c-18:1), Miscellaneous (% (w/w))	2124	3.970	0.1400				1		0	
726.99	Linoleic Acid (9c,12c-18:2), Miscellaneous (% (w/w))	2124	0.5350	0.0100				2		0	
726.99	Linoleic Acid (9c,12c-18:2), Miscellaneous (% (w/w))	0676	0.5840	0.0200				2		0	
728.99	alpha-Linolenic Acid (9c,12c,15c-18:3), Miscellaneous (%)	0676	0.0080	0.0020				2		0	

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728.99	alpha-Linolenic Acid (9c,12c,15c-18:3), Miscellaneous (%)	2124	0.0100	0.0000				2		0	
736.99	Arachidonic Acid (5c,8c,11c,14c-20:4), Miscellaneous (%)	0676	0.0435	0.0110				1		0	
740.99	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5), Miscellaneous (%)	0676	0.0000	0.0000				0		4	
740.99	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5), Miscellaneous (%)	2124	< 0.01					0		5	
746.99	Docosapentaenoic Acid n-3 DPA (7c,10c,13c,16c,19c-22:5), Miscellaneous (%)	0676	0.0000	0.0000				0		4	
750.99	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-22:6), Miscellaneous (%)	0676	0.0000	0.0000				0		4	
750.99	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-22:6), Miscellaneous (%)	2124	< 0.01					0		5	
754.99	Total n-3 Polyunsaturated (Omega-3) Fatty Acids, Miscellaneous (%)	0676	0.0100	0.0000				2		0	
754.99	Total n-3 Polyunsaturated (Omega-3) Fatty Acids, Miscellaneous (%)	2124	0.0155	0.0030				2		0	
756.99	Total n-6 Polyunsaturated (Omega-6) Fatty Acids, Miscellaneous (%)	2124	0.5965	0.0030				2		0	
756.99	Total n-6 Polyunsaturated (Omega-6) Fatty Acids, Miscellaneous (%)	0676	0.6900	0.0400				2		0	
772.99	Total Fatty Acids, Miscellaneous (%) (w/w))	2124	10.40	0.3500				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.