



AAFCO
Association of American Feed Control Officials



Pet Food Ingredient Scheme

Barley

Test Material Code # 202241

Method Proficiency Testing Report

Labs Reporting: 69

Methods Reported 258

Issue Date : 03/31/2022

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 (%)	0914	7.320	0.4200	8.236	0.7149	0.1775	4			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0504	8.045	0.2100	8.236	0.7149	0.1775	4			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	2122	8.635	0.0100	8.236	0.7149	0.1775	4			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0309	8.942	0.0700	8.236	0.7149	0.1775	4			0
001.03	Loss on Drying, Low temp. methods (%)	2124	8.895	0.1500				1			0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	1021	7.655	0.1500	8.811	0.2630	0.0792	30	-4.40	7%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0139	7.660	0.0400	8.811	0.2630	0.0792	30	-4.38	7%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2220	8.330	0.1400	8.811	0.2630	0.0792	30	-1.83	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0074	8.460	0.0800	8.811	0.2630	0.0792	30	-1.34	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2361	8.475	0.0100	8.811	0.2630	0.0792	30	-1.28	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2396	8.500	0.0600	8.811	0.2630	0.0792	30	-1.18	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0010	8.550	0.1000	8.811	0.2630	0.0792	30	-0.99	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2156	8.670	0.1400	8.811	0.2630	0.0792	30	-0.54	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2362	8.680	0.1000	8.811	0.2630	0.0792	30	-0.50	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	1024	8.735	0.0300	8.811	0.2630	0.0792	30	-0.29	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0034	8.765	0.0500	8.811	0.2630	0.0792	30	-0.18	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	1022	8.805	0.0300	8.811	0.2630	0.0792	30	-0.02	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2124	8.815	0.3900	8.811	0.2630	0.0792	30	0.01	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2252	8.845	0.0700	8.811	0.2630	0.0792	30	0.13	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0027	8.852	0.1550	8.811	0.2630	0.0792	30	0.15	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0171	8.870	0.0000	8.811	0.2630	0.0792	30	0.22	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	1023	8.870	0.0200	8.811	0.2630	0.0792	30	0.22	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2293	8.900	0.0800	8.811	0.2630	0.0792	30	0.34	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2398	8.920	0.0200	8.811	0.2630	0.0792	30	0.41	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2219	8.925	0.1700	8.811	0.2630	0.0792	30	0.43	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0650	8.950	0.0200	8.811	0.2630	0.0792	30	0.53	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0876	8.950	0.1000	8.811	0.2630	0.0792	30	0.53	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0098	8.955	0.0300	8.811	0.2630	0.0792	30	0.55	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2380	9.025	0.0500	8.811	0.2630	0.0792	30	0.81	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2385	9.030	0.0000	8.811	0.2630	0.0792	30	0.83	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2384	9.060	0.0200	8.811	0.2630	0.0792	30	0.95	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0028	9.085	0.2100	8.811	0.2630	0.0792	30	1.04	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2382	9.090	0.0400	8.811	0.2630	0.0792	30	1.06	2%	0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2383	9.095	0.0700	8.811	0.2630	0.0792	30	1.08	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0407	9.311	0.0024	8.811	0.2630	0.0792	30	1.90	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0003	8.865	0.5100	8.811	0.2630	0.0792	30	0.21	0%	1
001.99	Loss on Drying, Miscellaneous (%)	2155	8.255	0.2500	8.663	0.4035	0.1917	6	-1.01	2%	0
001.99	Loss on Drying, Miscellaneous (%)	0510	8.300	0.0000	8.663	0.4035	0.1917	6	-0.90	2%	0
001.99	Loss on Drying, Miscellaneous (%)	0910	8.600	0.6000	8.663	0.4035	0.1917	6	-0.15	0%	0
001.99	Loss on Drying, Miscellaneous (%)	0918	8.745	0.0500	8.663	0.4035	0.1917	6	0.20	0%	0
001.99	Loss on Drying, Miscellaneous (%)	2242	8.890	0.1800	8.663	0.4035	0.1917	6	0.56	1%	0
001.99	Loss on Drying, Miscellaneous (%)	2373	9.185	0.0700	8.663	0.4035	0.1917	6	1.30	3%	0
002.00	Protein, Crude, Crude (%)	2395	8.985	0.0900				1			0
002.01	Protein, Crude, Auto Kjel-Foss (%)	0910	8.950	0.1000				3			0
002.01	Protein, Crude, Auto Kjel-Foss (%)	0164	9.095	0.0700				3			0
002.01	Protein, Crude, Auto Kjel-Foss (%)	0870	9.123	0.1630				3			0
002.04	Protein, Crude, Copper Catalyst (%)	2122	8.920	0.0000				2			0
002.04	Protein, Crude, Copper Catalyst (%)	0504	9.070	0.2800				2			0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2089	8.230	0.0400	9.073	0.2598	0.1189	60	-3.25	5%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0529	8.335	0.2900	9.073	0.2598	0.1189	60	-2.84	4%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0650	8.590	0.1600	9.073	0.2598	0.1189	60	-1.86	3%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0870	8.663	0.1626	9.073	0.2598	0.1189	60	-1.58	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0242	8.665	0.6900	9.073	0.2598	0.1189	60	-1.57	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2383	8.795	0.0500	9.073	0.2598	0.1189	60	-1.07	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0504	8.800	0.0200	9.073	0.2598	0.1189	60	-1.05	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0876	8.800	0.2000	9.073	0.2598	0.1189	60	-1.05	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2382	8.815	0.0900	9.073	0.2598	0.1189	60	-0.99	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0511	8.840	0.0800	9.073	0.2598	0.1189	60	-0.90	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0164	8.845	0.0700	9.073	0.2598	0.1189	60	-0.88	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0910	8.900	0.0000	9.073	0.2598	0.1189	60	-0.67	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	1024	8.900	0.0200	9.073	0.2598	0.1189	60	-0.67	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2155	8.925	0.1305	9.073	0.2598	0.1189	60	-0.57	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2380	8.930	0.0800	9.073	0.2598	0.1189	60	-0.55	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2361	8.935	0.0100	9.073	0.2598	0.1189	60	-0.53	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	1022	8.949	0.0640	9.073	0.2598	0.1189	60	-0.48	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0010	8.950	0.1000	9.073	0.2598	0.1189	60	-0.47	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2252	8.960	0.0000	9.073	0.2598	0.1189	60	-0.44	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0001	8.962	0.2370	9.073	0.2598	0.1189	60	-0.43	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2219	8.965	0.0500	9.073	0.2598	0.1189	60	-0.42	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0139	8.968	0.0248	9.073	0.2598	0.1189	60	-0.41	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2293	8.976	0.0235	9.073	0.2598	0.1189	60	-0.37	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	1019	8.985	0.1700	9.073	0.2598	0.1189	60	-0.34	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2362	8.990	0.2000	9.073	0.2598	0.1189	60	-0.32	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0510	9.000	0.2000	9.073	0.2598	0.1189	60	-0.28	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0009	9.010	0.1600	9.073	0.2598	0.1189	60	-0.24	0%	0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2320	9.025	0.0500	9.073	0.2598	0.1189	60	-0.19	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2398	9.025	0.0700	9.073	0.2598	0.1189	60	-0.19	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	1021	9.026	0.0931	9.073	0.2598	0.1189	60	-0.18	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0074	9.035	0.0500	9.073	0.2598	0.1189	60	-0.15	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	1023	9.040	0.0400	9.073	0.2598	0.1189	60	-0.13	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2396	9.040	0.0200	9.073	0.2598	0.1189	60	-0.13	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2156	9.045	0.0700	9.073	0.2598	0.1189	60	-0.11	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2220	9.045	0.0100	9.073	0.2598	0.1189	60	-0.11	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0417	9.105	0.0500	9.073	0.2598	0.1189	60	0.12	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0027	9.114	0.2270	9.073	0.2598	0.1189	60	0.16	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0918	9.145	0.0900	9.073	0.2598	0.1189	60	0.28	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0047	9.150	0.3000	9.073	0.2598	0.1189	60	0.30	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0208	9.170	0.1400	9.073	0.2598	0.1189	60	0.37	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0553	9.171	0.0260	9.073	0.2598	0.1189	60	0.38	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2124	9.175	0.1300	9.073	0.2598	0.1189	60	0.39	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2312	9.175	0.3300	9.073	0.2598	0.1189	60	0.39	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0171	9.220	0.0200	9.073	0.2598	0.1189	60	0.57	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0958	9.220	0.0200	9.073	0.2598	0.1189	60	0.57	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2385	9.270	0.0200	9.073	0.2598	0.1189	60	0.76	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2242	9.275	0.0700	9.073	0.2598	0.1189	60	0.78	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2033	9.285	0.0300	9.073	0.2598	0.1189	60	0.82	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0098	9.300	0.2800	9.073	0.2598	0.1189	60	0.87	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2023	9.310	0.0000	9.073	0.2598	0.1189	60	0.91	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2050	9.360	0.0800	9.073	0.2598	0.1189	60	1.10	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2207	9.410	0.1800	9.073	0.2598	0.1189	60	1.30	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0425	9.440	0.1200	9.073	0.2598	0.1189	60	1.41	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0914	9.440	0.2600	9.073	0.2598	0.1189	60	1.41	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0034	9.447	0.2260	9.073	0.2598	0.1189	60	1.44	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0042	9.550	0.1000	9.073	0.2598	0.1189	60	1.84	3%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0407	9.571	0.1870	9.073	0.2598	0.1189	60	1.91	3%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2016	9.585	0.1700	9.073	0.2598	0.1189	60	1.97	3%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0309	9.604	0.1942	9.073	0.2598	0.1189	60	2.04	3%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2302	9.860	0.1600	9.073	0.2598	0.1189	60	3.03	4%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0003	8.393	1.892	9.073	0.2598	0.1189	60	-2.62	4%	1
002.08	Protein, Crude, Cu/Ti (%)	0098	9.075	0.0100				1			0
002.10	Protein, Crude, Block dig/distillation (%)	2023	8.965	0.0100				1			0
002.11	Protein, Crude, NIR (%)	2384	11.05	0.1100				1			0
002.99	Protein, Crude, Miscellaneous (%)	2373	9.040	0.1600				1			0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2385	1.705	0.1100	2.032	0.2299	0.1435	17	-1.42	8%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2384	1.830	0.1400	2.032	0.2299	0.1435	17	-0.88	5%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2219	1.845	0.0500	2.032	0.2299	0.1435	17	-0.81	5%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2373	1.865	0.0100	2.032	0.2299	0.1435	17	-0.73	4%	0

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003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2398	1.870	0.0000	2.032	0.2299	0.1435	17	-0.71	4%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	1023	1.920	0.0400	2.032	0.2299	0.1435	17	-0.49	3%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2380	1.930	0.0400	2.032	0.2299	0.1435	17	-0.44	3%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	0139	1.950	0.0400	2.032	0.2299	0.1435	17	-0.36	2%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2382	2.020	0.0200	2.032	0.2299	0.1435	17	-0.05	0%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2220	2.045	0.1500	2.032	0.2299	0.1435	17	0.06	0%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2293	2.065	0.1300	2.032	0.2299	0.1435	17	0.14	1%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2362	2.080	0.1200	2.032	0.2299	0.1435	17	0.21	1%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	1021	2.100	0.0400	2.032	0.2299	0.1435	17	0.29	2%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	0309	2.192	0.1388	2.032	0.2299	0.1435	17	0.69	4%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2361	2.905	0.8100	2.032	0.2299	0.1435	17	3.80	21%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2395	4.310	0.3400	2.032	0.2299	0.1435	17	9.91	56%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2156	4.320	0.2600	2.032	0.2299	0.1435	17	9.95	56%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2396	3.120	1.080	2.032	0.2299	0.1435	17	4.73	27%	1
003.01	Fat, Crude, Diethyl Ether Ext (13th ed.), Indirect (%)	0164	1.870	0.0200				2			0
003.01	Fat, Crude, Diethyl Ether Ext (13th ed.), Indirect (%)	0504	2.040	0.6600				2			0
003.06	Fat, Crude, Pet Ether (%)	2033	1.430	0.0200	1.786	0.2674	0.0280	5			0
003.06	Fat, Crude, Pet Ether (%)	0425	1.680	0.0400	1.786	0.2674	0.0280	5			0
003.06	Fat, Crude, Pet Ether (%)	2320	1.715	0.0300	1.786	0.2674	0.0280	5			0
003.06	Fat, Crude, Pet Ether (%)	0910	2.030	0.0000	1.786	0.2674	0.0280	5			0
003.06	Fat, Crude, Pet Ether (%)	0918	2.075	0.0500	1.786	0.2674	0.0280	5			0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0098	1.900	0.0400				1			0
003.10	Fat, Crude, Randall, Pet Ether (%)	2089	1.340	0.0800	1.593	0.1880	0.0616	6	-1.35	8%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0242	1.425	0.1500	1.593	0.1880	0.0616	6	-0.89	5%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2136	1.675	0.0700	1.593	0.1880	0.0616	6	0.44	3%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2155	1.693	0.0040	1.593	0.1880	0.0616	6	0.53	3%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0870	1.710	0.0353	1.593	0.1880	0.0616	6	0.62	4%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0098	1.715	0.0300	1.593	0.1880	0.0616	6	0.65	4%	0
003.11	Fat, Crude, NIR (%)	2384	1.015	0.0100				1			0
003.12	Fat, Crude, Hexane Ext (%)	0171	1.860	0.0400				1			0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	0098	1.505	0.5500				2			0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	0870	1.963	0.1046				2			0
003.14	Fat, Crude, Ankom (%)	2302	1.465	0.0700	1.811	0.2438	0.1126	12	-1.42	10%	0
003.14	Fat, Crude, Ankom (%)	0511	1.605	0.3300	1.811	0.2438	0.1126	12	-0.84	6%	0
003.14	Fat, Crude, Ankom (%)	0034	1.625	0.1100	1.811	0.2438	0.1126	12	-0.76	5%	0
003.14	Fat, Crude, Ankom (%)	0510	1.655	0.0700	1.811	0.2438	0.1126	12	-0.64	4%	0
003.14	Fat, Crude, Ankom (%)	0009	1.715	0.0300	1.811	0.2438	0.1126	12	-0.39	3%	0
003.14	Fat, Crude, Ankom (%)	0407	1.725	0.1712	1.811	0.2438	0.1126	12	-0.35	2%	0
003.14	Fat, Crude, Ankom (%)	0074	1.820	0.1000	1.811	0.2438	0.1126	12	0.04	0%	0
003.14	Fat, Crude, Ankom (%)	0171	1.880	0.0200	1.811	0.2438	0.1126	12	0.29	2%	0
003.14	Fat, Crude, Ankom (%)	0529	1.995	0.0700	1.811	0.2438	0.1126	12	0.76	5%	0
003.14	Fat, Crude, Ankom (%)	2207	2.015	0.0300	1.811	0.2438	0.1126	12	0.84	6%	0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
003.14	Fat, Crude, Ankom (%)	0876	2.050	0.3000	1.811	0.2438	0.1126	12	0.98	7%	0
003.14	Fat, Crude, Ankom (%)	2023	2.185	0.0500	1.811	0.2438	0.1126	12	1.54	10%	0
003.14	Fat, Crude, Ankom (%)	0042	2.445	0.8100	1.811	0.2438	0.1126	12	2.60	18%	1
003.99	Fat, Crude, Miscellaneous (%)	1019	0.7400	0.0800				1			0
004.00	Fiber, Crude, Asbestos Free (%)	2023	4.915	0.1100	5.568	0.4906	0.2009	10	-1.33	6%	0
004.00	Fiber, Crude, Asbestos Free (%)	0504	5.085	0.0900	5.568	0.4906	0.2009	10	-0.98	4%	0
004.00	Fiber, Crude, Asbestos Free (%)	0164	5.300	0.0000	5.568	0.4906	0.2009	10	-0.55	2%	0
004.00	Fiber, Crude, Asbestos Free (%)	0309	5.355	0.0288	5.568	0.4906	0.2009	10	-0.43	2%	0
004.00	Fiber, Crude, Asbestos Free (%)	2320	5.400	0.0000	5.568	0.4906	0.2009	10	-0.34	2%	0
004.00	Fiber, Crude, Asbestos Free (%)	0208	5.505	0.4500	5.568	0.4906	0.2009	10	-0.13	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	0042	5.920	0.5200	5.568	0.4906	0.2009	10	0.72	3%	0
004.00	Fiber, Crude, Asbestos Free (%)	0425	6.000	0.0000	5.568	0.4906	0.2009	10	0.88	4%	0
004.00	Fiber, Crude, Asbestos Free (%)	2312	6.050	0.5000	5.568	0.4906	0.2009	10	0.98	4%	0
004.00	Fiber, Crude, Asbestos Free (%)	0171	6.145	0.3100	5.568	0.4906	0.2009	10	1.18	5%	0
004.03	Fiber, Crude, Fritted Glass (%)	2089	5.765	0.0300				1			0
004.06	Fiber, Crude, Fibertec (%)	0918	5.885	0.0100				1			0
004.07	Fiber, Crude, ANKOM (%)	0407	4.874	0.0803	5.646	0.3340	0.2090	20	-2.31	7%	0
004.07	Fiber, Crude, ANKOM (%)	0510	5.050	0.1000	5.646	0.3340	0.2090	20	-1.78	5%	0
004.07	Fiber, Crude, ANKOM (%)	0914	5.300	0.0000	5.646	0.3340	0.2090	20	-1.04	3%	0
004.07	Fiber, Crude, ANKOM (%)	2033	5.300	0.2000	5.646	0.3340	0.2090	20	-1.04	3%	0
004.07	Fiber, Crude, ANKOM (%)	0553	5.420	0.3000	5.646	0.3340	0.2090	20	-0.68	2%	0
004.07	Fiber, Crude, ANKOM (%)	0876	5.450	0.1000	5.646	0.3340	0.2090	20	-0.59	2%	0
004.07	Fiber, Crude, ANKOM (%)	2122	5.515	0.1100	5.646	0.3340	0.2090	20	-0.39	1%	0
004.07	Fiber, Crude, ANKOM (%)	0034	5.540	0.2600	5.646	0.3340	0.2090	20	-0.32	1%	0
004.07	Fiber, Crude, ANKOM (%)	0870	5.595	0.0489	5.646	0.3340	0.2090	20	-0.15	0%	0
004.07	Fiber, Crude, ANKOM (%)	2302	5.620	0.0200	5.646	0.3340	0.2090	20	-0.08	0%	0
004.07	Fiber, Crude, ANKOM (%)	0511	5.700	0.8000	5.646	0.3340	0.2090	20	0.16	0%	0
004.07	Fiber, Crude, ANKOM (%)	0003	5.710	0.3000	5.646	0.3340	0.2090	20	0.19	1%	0
004.07	Fiber, Crude, ANKOM (%)	0529	5.785	0.0100	5.646	0.3340	0.2090	20	0.42	1%	0
004.07	Fiber, Crude, ANKOM (%)	0009	5.825	0.0500	5.646	0.3340	0.2090	20	0.54	2%	0
004.07	Fiber, Crude, ANKOM (%)	0074	5.830	0.3600	5.646	0.3340	0.2090	20	0.55	2%	0
004.07	Fiber, Crude, ANKOM (%)	2373	5.900	0.1400	5.646	0.3340	0.2090	20	0.76	2%	0
004.07	Fiber, Crude, ANKOM (%)	2207	5.945	0.1700	5.646	0.3340	0.2090	20	0.89	3%	0
004.07	Fiber, Crude, ANKOM (%)	0910	6.000	0.0000	5.646	0.3340	0.2090	20	1.06	3%	0
004.07	Fiber, Crude, ANKOM (%)	0028	6.050	0.9000	5.646	0.3340	0.2090	20	1.21	4%	0
004.07	Fiber, Crude, ANKOM (%)	2124	6.235	0.2300	5.646	0.3340	0.2090	20	1.76	5%	0
005.00	Ash, 2h @ 600°C (%)	0047	1.900	0.2000	2.041	0.0547	0.0552	43	-2.57	3%	0
005.00	Ash, 2h @ 600°C (%)	2033	1.900	0.0000	2.041	0.0547	0.0552	43	-2.57	3%	0
005.00	Ash, 2h @ 600°C (%)	1023	1.970	0.0200	2.041	0.0547	0.0552	43	-1.29	2%	0
005.00	Ash, 2h @ 600°C (%)	2016	1.975	0.0100	2.041	0.0547	0.0552	43	-1.20	2%	0
005.00	Ash, 2h @ 600°C (%)	2124	1.975	0.0100	2.041	0.0547	0.0552	43	-1.20	2%	0
005.00	Ash, 2h @ 600°C (%)	0309	1.990	0.1000	2.041	0.0547	0.0552	43	-0.92	1%	0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
005.00	Ash, 2h @ 600°C (%)	2242	1.990	0.0200	2.041	0.0547	0.0552	43	-0.92	1%	0
005.00	Ash, 2h @ 600°C (%)	2293	1.995	0.0900	2.041	0.0547	0.0552	43	-0.83	1%	0
005.00	Ash, 2h @ 600°C (%)	0876	2.000	0.0000	2.041	0.0547	0.0552	43	-0.74	1%	0
005.00	Ash, 2h @ 600°C (%)	2320	2.000	0.0000	2.041	0.0547	0.0552	43	-0.74	1%	0
005.00	Ash, 2h @ 600°C (%)	0164	2.005	0.0100	2.041	0.0547	0.0552	43	-0.65	1%	0
005.00	Ash, 2h @ 600°C (%)	2156	2.005	0.0500	2.041	0.0547	0.0552	43	-0.65	1%	0
005.00	Ash, 2h @ 600°C (%)	0870	2.015	0.0293	2.041	0.0547	0.0552	43	-0.47	1%	0
005.00	Ash, 2h @ 600°C (%)	0208	2.015	0.0100	2.041	0.0547	0.0552	43	-0.47	1%	0
005.00	Ash, 2h @ 600°C (%)	2252	2.020	0.0200	2.041	0.0547	0.0552	43	-0.38	1%	0
005.00	Ash, 2h @ 600°C (%)	0042	2.020	0.0600	2.041	0.0547	0.0552	43	-0.38	1%	0
005.00	Ash, 2h @ 600°C (%)	0553	2.020	0.0400	2.041	0.0547	0.0552	43	-0.38	1%	0
005.00	Ash, 2h @ 600°C (%)	0098	2.025	0.0500	2.041	0.0547	0.0552	43	-0.28	0%	0
005.00	Ash, 2h @ 600°C (%)	2302	2.025	0.0100	2.041	0.0547	0.0552	43	-0.28	0%	0
005.00	Ash, 2h @ 600°C (%)	0504	2.030	0.0000	2.041	0.0547	0.0552	43	-0.19	0%	0
005.00	Ash, 2h @ 600°C (%)	0510	2.030	0.1600	2.041	0.0547	0.0552	43	-0.19	0%	0
005.00	Ash, 2h @ 600°C (%)	2396	2.030	0.0800	2.041	0.0547	0.0552	43	-0.19	0%	0
005.00	Ash, 2h @ 600°C (%)	1021	2.035	0.0100	2.041	0.0547	0.0552	43	-0.10	0%	0
005.00	Ash, 2h @ 600°C (%)	2361	2.035	0.0700	2.041	0.0547	0.0552	43	-0.10	0%	0
005.00	Ash, 2h @ 600°C (%)	2398	2.035	0.0300	2.041	0.0547	0.0552	43	-0.10	0%	0
005.00	Ash, 2h @ 600°C (%)	2220	2.050	0.0400	2.041	0.0547	0.0552	43	0.17	0%	0
005.00	Ash, 2h @ 600°C (%)	0027	2.054	0.0030	2.041	0.0547	0.0552	43	0.24	0%	0
005.00	Ash, 2h @ 600°C (%)	0242	2.055	0.0300	2.041	0.0547	0.0552	43	0.26	0%	0
005.00	Ash, 2h @ 600°C (%)	2122	2.060	0.0200	2.041	0.0547	0.0552	43	0.36	0%	0
005.00	Ash, 2h @ 600°C (%)	0171	2.060	0.0000	2.041	0.0547	0.0552	43	0.36	0%	0
005.00	Ash, 2h @ 600°C (%)	2219	2.070	0.0000	2.041	0.0547	0.0552	43	0.54	1%	0
005.00	Ash, 2h @ 600°C (%)	0001	2.071	0.0310	2.041	0.0547	0.0552	43	0.55	1%	0
005.00	Ash, 2h @ 600°C (%)	0425	2.075	0.0500	2.041	0.0547	0.0552	43	0.63	1%	0
005.00	Ash, 2h @ 600°C (%)	2362	2.075	0.0300	2.041	0.0547	0.0552	43	0.63	1%	0
005.00	Ash, 2h @ 600°C (%)	2089	2.090	0.0000	2.041	0.0547	0.0552	43	0.90	1%	0
005.00	Ash, 2h @ 600°C (%)	0417	2.095	0.2300	2.041	0.0547	0.0552	43	1.00	1%	0
005.00	Ash, 2h @ 600°C (%)	0918	2.105	0.0300	2.041	0.0547	0.0552	43	1.18	2%	0
005.00	Ash, 2h @ 600°C (%)	2207	2.115	0.0100	2.041	0.0547	0.0552	43	1.36	2%	0
005.00	Ash, 2h @ 600°C (%)	0407	2.136	0.0193	2.041	0.0547	0.0552	43	1.75	2%	0
005.00	Ash, 2h @ 600°C (%)	0650	2.240	0.1200	2.041	0.0547	0.0552	43	3.65	5%	0
005.00	Ash, 2h @ 600°C (%)	2373	2.260	0.0600	2.041	0.0547	0.0552	43	4.01	5%	0
005.00	Ash, 2h @ 600°C (%)	0529	2.325	0.4500	2.041	0.0547	0.0552	43	5.20	7%	0
005.00	Ash, 2h @ 600°C (%)	0914	2.605	0.1700	2.041	0.0547	0.0552	43	10.33	14%	0
005.00	Ash, 2h @ 600°C (%)	2312	2.490	0.8800	2.041	0.0547	0.0552	43	8.22	11%	1
005.00	Ash, 2h @ 600°C (%)	1019	3.205	0.2900	2.041	0.0547	0.0552	43	21.30	29%	2
005.03	Ash, Microwave furnace (%)	0511	2.150	0.1000				1			0
005.05	Ash, 3h @ 550°C (%)	2384	1.925	0.0100	1.998	0.0747	0.0234	5			0
005.05	Ash, 3h @ 550°C (%)	2382	1.940	0.0200	1.998	0.0747	0.0234	5			0

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005.05	Ash, 3h @ 550°C (%)	2385	1.980	0.0000	1.998	0.0747	0.0234	5			0
005.05	Ash, 3h @ 550°C (%)	2136	2.040	0.0000	1.998	0.0747	0.0234	5			0
005.05	Ash, 3h @ 550°C (%)	0034	2.106	0.0870	1.998	0.0747	0.0234	5			0
005.05	Ash, 3h @ 550°C (%)	2050	2.035	0.2700	1.998	0.0747	0.0234	5			1
005.99	Ash, Miscellaneous (%)	1024	1.990	0.0600	2.026	0.0359	0.0217	6	-1.00	1%	0
005.99	Ash, Miscellaneous (%)	0910	2.000	0.0000	2.026	0.0359	0.0217	6	-0.72	1%	0
005.99	Ash, Miscellaneous (%)	1022	2.020	0.0200	2.026	0.0359	0.0217	6	-0.16	0%	0
005.99	Ash, Miscellaneous (%)	2395	2.020	0.0400	2.026	0.0359	0.0217	6	-0.16	0%	0
005.99	Ash, Miscellaneous (%)	0139	2.050	0.0000	2.026	0.0359	0.0217	6	0.67	1%	0
005.99	Ash, Miscellaneous (%)	2023	2.075	0.0100	2.026	0.0359	0.0217	6	1.37	1%	0
006.00	Total Sugars, As sucrose (%)	0910	1.525	0.1300				2			0
006.00	Total Sugars, As sucrose (%)	0407	2.195	0.0700				2			0
006.05	Total Sugars, TSI, Lane-Eunon (12th) (%)	2320	4.770	0.0600				1			0
008.02	Fiber, Acid Detergent, Crucible (%)	0309	7.123	0.0609				2			0
008.02	Fiber, Acid Detergent, Crucible (%)	0504	7.880	0.5800				2			0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0042	6.760	0.2000	7.770	0.6697	0.3443	8	-1.51	6%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0870	7.115	0.3966	7.770	0.6697	0.3443	8	-0.98	4%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	2302	7.420	0.0400	7.770	0.6697	0.3443	8	-0.52	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0511	7.950	0.3000	7.770	0.6697	0.3443	8	0.27	1%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0407	8.175	1.028	7.770	0.6697	0.3443	8	0.60	3%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0001	8.186	0.2900	7.770	0.6697	0.3443	8	0.62	3%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0918	8.250	0.1000	7.770	0.6697	0.3443	8	0.72	3%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0164	8.300	0.4000	7.770	0.6697	0.3443	8	0.79	3%	0
008.99	Fiber, Acid Detergent, Miscellaneous (%)	0027	7.579	0.0660				2			0
008.99	Fiber, Acid Detergent, Miscellaneous (%)	0910	9.820	1.120				2			0
009.04	Fiber, Neutral Detergent, Neutral Det-No ENZ Pretreat (%)	0504	21.21	2.680				1			0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat (%)	0309	19.60	0.7168				1			0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0407	17.62	0.5651	19.08	1.682	0.4957	5			0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0918	18.29	0.8800	19.08	1.682	0.4957	5			0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	2302	18.32	0.0600	19.08	1.682	0.4957	5			0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0870	19.26	0.1732	19.08	1.682	0.4957	5			0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0164	21.90	0.8000	19.08	1.682	0.4957	5			0
009.99	Fiber, Neutral Detergent, Miscellaneous (%)	0910	16.60	1.000				1			0
010.03	Moisture, Karl-Fischer (%)	0164	9.345	0.0300				1			0
010.11	Moisture, NIR (%)	2384	8.815	0.0900				1			0
010.99	Moisture, Miscellaneous (%)	2395	8.715	0.1700				2			0
010.99	Moisture, Miscellaneous (%)	2089	8.755	0.0100				2			0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0309	7.165	0.1100	9.010	0.2932	0.1196	19	-6.29	10%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2016	8.395	0.1500	9.010	0.2932	0.1196	19	-2.10	3%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2312	8.730	0.3000	9.010	0.2932	0.1196	19	-0.95	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0164	8.795	0.0700	9.010	0.2932	0.1196	19	-0.73	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0171	8.800	0.0600	9.010	0.2932	0.1196	19	-0.71	1%	0

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011.01	Loss on Drying, HT, 135°C 2hr (%)	0510	8.800	0.0000	9.010	0.2932	0.1196	19	-0.71	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0553	8.895	0.3500	9.010	0.2932	0.1196	19	-0.39	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0242	8.935	0.0500	9.010	0.2932	0.1196	19	-0.25	0%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0511	8.955	0.1900	9.010	0.2932	0.1196	19	-0.19	0%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0870	9.053	0.1632	9.010	0.2932	0.1196	19	0.15	0%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2302	9.105	0.0100	9.010	0.2932	0.1196	19	0.33	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	1019	9.135	0.0700	9.010	0.2932	0.1196	19	0.43	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0425	9.140	0.1800	9.010	0.2932	0.1196	19	0.44	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0098	9.160	0.1200	9.010	0.2932	0.1196	19	0.51	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0208	9.170	0.0800	9.010	0.2932	0.1196	19	0.55	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2033	9.190	0.0200	9.010	0.2932	0.1196	19	0.62	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2023	9.280	0.0400	9.010	0.2932	0.1196	19	0.92	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2207	9.550	0.3000	9.010	0.2932	0.1196	19	1.84	3%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0407	9.572	0.0090	9.010	0.2932	0.1196	19	1.92	3%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0047	8.500	0.8000	9.010	0.2932	0.1196	19	-1.74	3%	1
011.02	Loss on Drying, HT, 130°C for 2 hours (%)	2320	8.650	0.1000				3			0
011.02	Loss on Drying, HT, 130°C for 2 hours (%)	0417	8.890	0.0000				3			0
011.02	Loss on Drying, HT, 130°C for 2 hours (%)	0529	9.175	0.0300				3			0
012.00	Starch, Polarimetric (Ewers) (%)	2023	55.45	0.3000				2			0
012.00	Starch, Polarimetric (Ewers) (%)	0164	55.80	0.2000				2			0
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	0870	49.92	2.499	54.08	4.848	1.767	6	-0.86	4%	0
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	0164	50.15	0.9000	54.08	4.848	1.767	6	-0.81	4%	0
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	0918	50.55	0.5030	54.08	4.848	1.767	6	-0.73	3%	0
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	2242	57.11	3.310	54.08	4.848	1.767	6	0.62	3%	0
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	2089	58.32	1.420	54.08	4.848	1.767	6	0.87	4%	0
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	0407	58.44	1.971	54.08	4.848	1.767	6	0.90	4%	0
012.03	Starch, Enzymatic-Colorimetric Method, Miscellaneous (%)	2302	57.52	0.0300				2			0
012.03	Starch, Enzymatic-Colorimetric Method, Miscellaneous (%)	0407	58.67	0.5294				2			0
012.04	Starch, Enzymatic-Enzyme Membrane Technology (YSI) (%)	0510	51.30	0.2000				1			0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2252	2.245	0.1500	2.606	0.3628	0.0975	6	-0.99	7%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2023	2.380	0.0400	2.606	0.3628	0.0975	6	-0.62	4%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0910	2.540	0.2400	2.606	0.3628	0.0975	6	-0.18	1%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2016	2.550	0.0800	2.606	0.3628	0.0975	6	-0.15	1%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0650	2.770	0.0600	2.606	0.3628	0.0975	6	0.45	3%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0309	3.488	0.0152	2.606	0.3628	0.0975	6	2.43	17%	0
013.02	Fat, Acid Pretreat, Mojonier, Bak Ext (%)	2383	1.990	0.1800	2.780	0.2739	0.1056	12	-2.88	14%	0
013.02	Fat, Acid Pretreat, Mojonier, Bak Ext (%)	0208	2.515	0.1100	2.780	0.2739	0.1056	12	-0.97	5%	0
013.02	Fat, Acid Pretreat, Mojonier, Bak Ext (%)	0098	2.595	0.0300	2.780	0.2739	0.1056	12	-0.68	3%	0
013.02	Fat, Acid Pretreat, Mojonier, Bak Ext (%)	0870	2.665	0.0379	2.780	0.2739	0.1056	12	-0.42	2%	0
013.02	Fat, Acid Pretreat, Mojonier, Bak Ext (%)	0171	2.685	0.0700	2.780	0.2739	0.1056	12	-0.35	2%	0
013.02	Fat, Acid Pretreat, Mojonier, Bak Ext (%)	2122	2.700	0.1200	2.780	0.2739	0.1056	12	-0.29	1%	0
013.02	Fat, Acid Pretreat, Mojonier, Bak Ext (%)	0001	2.772	0.5241	2.780	0.2739	0.1056	12	-0.03	0%	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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013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0164	2.865	0.0100	2.780	0.2739	0.1056	12	0.31	2%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0914	2.920	0.1400	2.780	0.2739	0.1056	12	0.51	3%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0553	2.985	0.0100	2.780	0.2739	0.1056	12	0.75	4%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0010	3.100	0.0000	2.780	0.2739	0.1056	12	1.17	6%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0407	3.938	0.0350	2.780	0.2739	0.1056	12	4.23	21%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	2312	2.535	0.7700	2.780	0.2739	0.1056	12	-0.90	4%	1
013.10	Fat, Acid Pretreat, Soxtec-Acid Hydrolysis (%)	2124	2.640	0.3400				1			0
013.13	Fat, Acid Pretreat, Ankom- Acid Hydrolysis (%)	2124	2.065	0.1900				2			0
013.13	Fat, Acid Pretreat, Ankom- Acid Hydrolysis (%)	0407	5.059	1.460				2			0
014.01	Fiber, Total Dietary, Enz-Grav (%)	0164	23.55	0.7000				1			0
015.41	Aluminum, ICP, Dry ash (ppm)	0407	2.543	1.196				2			0
015.41	Aluminum, ICP, Dry ash (ppm)	0171	4.900	0.0400				2			0
015.41	Aluminum, ICP, Dry ash (ppm)	0164	< 5					2			5
015.43	Aluminum, ICP, Microwave (ppm)	0918	2.670	0.3200				3			0
015.43	Aluminum, ICP, Microwave (ppm)	0407	4.554	0.9539				3			0
015.43	Aluminum, ICP, Microwave (ppm)	0425	7.580	0.7200				3			0
015.53	Aluminum, ICP-MS, Microwave (ppm)	0407	5.478	0.7228				1			0
017.41	Boron, ICP, Dry ash (ppm)	0407	0.8566	0.0059				1			0
017.43	Boron, ICP, Microwave (ppm)	0407	0.9321	0.0568				2			0
017.43	Boron, ICP, Microwave (ppm)	0918	1.055	0.0300				2			0
017.53	Boron, ICP-MS, Microwave (ppm)	0407	0.8955	0.1075				1			0
019.00	Calcium, Ox-Mn04 Vol. (%)	2302	0.6000	0.0000				1			0
019.31	Calcium, AAS, Dry ash (%)	0529	0.0400	0.0000				2			0
019.31	Calcium, AAS, Dry ash (%)	0001	0.0454	0.0024				2			0
019.41	Calcium, ICP, Dry ash (%)	0910	0.0400	0.0000	0.0492	0.0048	0.0007	10	-1.90	9%	0
019.41	Calcium, ICP, Dry ash (%)	0164	0.0445	0.0010	0.0492	0.0048	0.0007	10	-0.96	5%	0
019.41	Calcium, ICP, Dry ash (%)	0098	0.0452	0.0006	0.0492	0.0048	0.0007	10	-0.82	4%	0
019.41	Calcium, ICP, Dry ash (%)	1021	0.0500	0.0000	0.0492	0.0048	0.0007	10	0.18	1%	0
019.41	Calcium, ICP, Dry ash (%)	1023	0.0500	0.0000	0.0492	0.0048	0.0007	10	0.18	1%	0
019.41	Calcium, ICP, Dry ash (%)	1024	0.0500	0.0000	0.0492	0.0048	0.0007	10	0.18	1%	0
019.41	Calcium, ICP, Dry ash (%)	2382	0.0500	0.0000	0.0492	0.0048	0.0007	10	0.18	1%	0
019.41	Calcium, ICP, Dry ash (%)	2385	0.0500	0.0000	0.0492	0.0048	0.0007	10	0.18	1%	0
019.41	Calcium, ICP, Dry ash (%)	2395	0.0535	0.0050	0.0492	0.0048	0.0007	10	0.90	4%	0
019.41	Calcium, ICP, Dry ash (%)	0407	0.0671	0.0005	0.0492	0.0048	0.0007	10	3.71	18%	0
019.41	Calcium, ICP, Dry ash (%)	0171	0.0450	0.0100	0.0492	0.0048	0.0007	10	-0.86	4%	1
019.41	Calcium, ICP, Dry ash (%)	0074	0.5000	0.0000	0.0492	0.0048	0.0007	10	93.47	459%	2
019.42	Calcium, ICP, Open vessel (%)	0870	0.0443	0.0012				3			0
019.42	Calcium, ICP, Open vessel (%)	0009	0.0488	0.0007				3			0
019.42	Calcium, ICP, Open vessel (%)	2207	0.0500	0.0000				3			0
019.43	Calcium, ICP, Microwave (%)	2089	0.0350	0.0100	0.0512	0.0100	0.0021	14	-1.61	16%	0
019.43	Calcium, ICP, Microwave (%)	0510	0.0400	0.0000	0.0512	0.0100	0.0021	14	-1.11	11%	0
019.43	Calcium, ICP, Microwave (%)	0918	0.0420	0.0020	0.0512	0.0100	0.0021	14	-0.91	9%	0

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019.43	Calcium, ICP, Microwave (%)	2033	0.0460	0.0000	0.0512	0.0100	0.0021	14	-0.52	5%	0
019.43	Calcium, ICP, Microwave (%)	2136	0.0471	0.0003	0.0512	0.0100	0.0021	14	-0.41	4%	0
019.43	Calcium, ICP, Microwave (%)	2023	0.0471	0.0000	0.0512	0.0100	0.0021	14	-0.41	4%	0
019.43	Calcium, ICP, Microwave (%)	2124	0.0500	0.0000	0.0512	0.0100	0.0021	14	-0.12	1%	0
019.43	Calcium, ICP, Microwave (%)	0010	0.0520	0.0000	0.0512	0.0100	0.0021	14	0.08	1%	0
019.43	Calcium, ICP, Microwave (%)	0870	0.0539	0.0017	0.0512	0.0100	0.0021	14	0.27	3%	0
019.43	Calcium, ICP, Microwave (%)	0098	0.0557	0.0015	0.0512	0.0100	0.0021	14	0.45	4%	0
019.43	Calcium, ICP, Microwave (%)	0042	0.0565	0.0030	0.0512	0.0100	0.0021	14	0.53	5%	0
019.43	Calcium, ICP, Microwave (%)	0425	0.0600	0.0000	0.0512	0.0100	0.0021	14	0.88	9%	0
019.43	Calcium, ICP, Microwave (%)	0407	0.0639	0.0013	0.0512	0.0100	0.0021	14	1.27	12%	0
019.43	Calcium, ICP, Microwave (%)	0511	0.1050	0.0100	0.0512	0.0100	0.0021	14	5.37	53%	0
019.44	Calcium, ICP, Dry ash (%)	2220	0.0490	0.0040	0.0511	0.0020	0.0030	10	-1.03	2%	0
019.44	Calcium, ICP, Dry ash (%)	2396	0.0495	0.0010	0.0511	0.0020	0.0030	10	-0.79	2%	0
019.44	Calcium, ICP, Dry ash (%)	1022	0.0500	0.0000	0.0511	0.0020	0.0030	10	-0.54	1%	0
019.44	Calcium, ICP, Dry ash (%)	2362	0.0500	0.0060	0.0511	0.0020	0.0030	10	-0.54	1%	0
019.44	Calcium, ICP, Dry ash (%)	2384	0.0500	0.0000	0.0511	0.0020	0.0030	10	-0.54	1%	0
019.44	Calcium, ICP, Dry ash (%)	2361	0.0505	0.0030	0.0511	0.0020	0.0030	10	-0.30	1%	0
019.44	Calcium, ICP, Dry ash (%)	2219	0.0515	0.0030	0.0511	0.0020	0.0030	10	0.20	0%	0
019.44	Calcium, ICP, Dry ash (%)	2252	0.0530	0.0060	0.0511	0.0020	0.0030	10	0.94	2%	0
019.44	Calcium, ICP, Dry ash (%)	2156	0.0535	0.0050	0.0511	0.0020	0.0030	10	1.18	2%	0
019.44	Calcium, ICP, Dry ash (%)	2293	0.0540	0.0020	0.0511	0.0020	0.0030	10	1.43	3%	0
019.52	Calcium, ICP-MS, Open vessel (%)	0047	0.0985	0.0110				1			0
019.53	Calcium, ICP-MS, Microwave (%)	0553	0.0436	0.0007				2			0
019.53	Calcium, ICP-MS, Microwave (%)	0407	0.0651	0.0037				2			0
019.99	Calcium, Miscellaneous (%)	0242	0.0400	0.0000				3			0
019.99	Calcium, Miscellaneous (%)	2114	0.0473	0.0002				3			0
019.99	Calcium, Miscellaneous (%)	2373	0.1150	0.0100				3			0
021.41	Cobalt, ICP, Dry ash (ppm)	0171	0.0815	0.0010				2			0
021.41	Cobalt, ICP, Dry ash (ppm)	0407	0.4452	0.0373				2			0
021.41	Cobalt, ICP, Dry ash (ppm)	0164	< 0.5					2			5
021.43	Cobalt, ICP, Microwave (ppm)	0510	0.1700	0.0200				2			0
021.43	Cobalt, ICP, Microwave (ppm)	0407	0.4936	0.0340				2			0
021.53	Cobalt, ICP-MS, Microwave (ppm)	0553	0.0963	0.0003				2			0
021.53	Cobalt, ICP-MS, Microwave (ppm)	0407	0.6506	0.0116				2			0
021.53	Cobalt, ICP-MS, Microwave (ppm)	0918	< 0.5					2			5
022.31	Copper, AAS, Dry ash (ppm)	0529	< 9.6					0			5
022.33	Copper, AAS, Microwave (ppm)	0010	4.550	0.1000				1			0
022.41	Copper, ICP, Dry ash (ppm)	0171	3.665	0.0500	4.508	0.9784	0.5727	5			0
022.41	Copper, ICP, Dry ash (ppm)	0098	4.100	0.3000	4.508	0.9784	0.5727	5			0
022.41	Copper, ICP, Dry ash (ppm)	0164	4.100	0.0000	4.508	0.9784	0.5727	5			0
022.41	Copper, ICP, Dry ash (ppm)	0074	4.500	1.000	4.508	0.9784	0.5727	5			0
022.41	Copper, ICP, Dry ash (ppm)	0407	6.177	1.513	4.508	0.9784	0.5727	5			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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022.42	Copper, ICP, Open vessel (ppm)	2207	4.000	0.0000				2			0
022.42	Copper, ICP, Open vessel (ppm)	0870	5.414	0.3140				2			0
022.42	Copper, ICP, Open vessel (ppm)	0009	< 5					2			5
022.43	Copper, ICP, Microwave (ppm)	2023	3.600	0.0000	4.671	0.8304	0.3751	12	-1.29	11%	0
022.43	Copper, ICP, Microwave (ppm)	0918	3.950	0.2200	4.671	0.8304	0.3751	12	-0.87	8%	0
022.43	Copper, ICP, Microwave (ppm)	0510	4.000	0.0000	4.671	0.8304	0.3751	12	-0.81	7%	0
022.43	Copper, ICP, Microwave (ppm)	0027	4.191	0.0760	4.671	0.8304	0.3751	12	-0.58	5%	0
022.43	Copper, ICP, Microwave (ppm)	0511	4.500	1.000	4.671	0.8304	0.3751	12	-0.21	2%	0
022.43	Copper, ICP, Microwave (ppm)	2033	4.500	0.2000	4.671	0.8304	0.3751	12	-0.21	2%	0
022.43	Copper, ICP, Microwave (ppm)	2124	4.510	1.400	4.671	0.8304	0.3751	12	-0.19	2%	0
022.43	Copper, ICP, Microwave (ppm)	0098	4.745	0.4900	4.671	0.8304	0.3751	12	0.09	1%	0
022.43	Copper, ICP, Microwave (ppm)	0407	4.866	0.1459	4.671	0.8304	0.3751	12	0.23	2%	0
022.43	Copper, ICP, Microwave (ppm)	0870	5.573	0.3890	4.671	0.8304	0.3751	12	1.09	10%	0
022.43	Copper, ICP, Microwave (ppm)	2089	5.700	0.5000	4.671	0.8304	0.3751	12	1.24	11%	0
022.43	Copper, ICP, Microwave (ppm)	0042	6.340	0.0800	4.671	0.8304	0.3751	12	2.01	18%	0
022.43	Copper, ICP, Microwave (ppm)	0425	9.540	2.680	4.671	0.8304	0.3751	12	5.86	52%	1
022.44	Copper, ICP, Dry ash (ppm)	0910	4.000	0.0000				1			0
022.52	Copper, ICP-MS, Open vessel (ppm)	0047	7.152	0.0100				1			0
022.53	Copper, ICP-MS, Microwave (ppm)	2136	4.105	0.1500				3			0
022.53	Copper, ICP-MS, Microwave (ppm)	0553	4.250	0.2200				3			0
022.53	Copper, ICP-MS, Microwave (ppm)	0407	5.253	0.4638				3			0
022.99	Copper, Miscellaneous (ppm)	0242	3.000	0.0000				3			0
022.99	Copper, Miscellaneous (ppm)	2114	4.521	0.3105				3			0
022.99	Copper, Miscellaneous (ppm)	2373	5.190	0.0600				3			0
023.01	Fluorine, Ion Sel Elect (ppm)	2033	< 5					0			5
025.31	Iron, AAS, Dry ash (ppm)	0001	31.43	4.360				2			0
025.31	Iron, AAS, Dry ash (ppm)	0529	34.65	4.300				2			0
025.41	Iron, ICP, Dry ash (ppm)	0910	32.50	1.000	36.03	3.824	0.8398	6	-0.92	5%	0
025.41	Iron, ICP, Dry ash (ppm)	0164	33.50	1.000	36.03	3.824	0.8398	6	-0.66	4%	0
025.41	Iron, ICP, Dry ash (ppm)	0098	34.40	0.2100	36.03	3.824	0.8398	6	-0.43	2%	0
025.41	Iron, ICP, Dry ash (ppm)	0074	36.50	1.000	36.03	3.824	0.8398	6	0.12	1%	0
025.41	Iron, ICP, Dry ash (ppm)	0171	37.52	0.2700	36.03	3.824	0.8398	6	0.39	2%	0
025.41	Iron, ICP, Dry ash (ppm)	0407	48.07	1.559	36.03	3.824	0.8398	6	3.15	17%	0
025.42	Iron, ICP, Open vessel (ppm)	2207	19.50	1.000				2			0
025.42	Iron, ICP, Open vessel (ppm)	0870	36.12	0.5100				2			0
025.43	Iron, ICP, Microwave (ppm)	0511	31.50	3.000	37.66	5.376	2.140	12	-1.15	8%	0
025.43	Iron, ICP, Microwave (ppm)	0918	32.92	0.1000	37.66	5.376	2.140	12	-0.88	6%	0
025.43	Iron, ICP, Microwave (ppm)	2136	33.35	0.5000	37.66	5.376	2.140	12	-0.80	6%	0
025.43	Iron, ICP, Microwave (ppm)	2124	34.62	0.8700	37.66	5.376	2.140	12	-0.57	4%	0
025.43	Iron, ICP, Microwave (ppm)	2023	35.80	0.0000	37.66	5.376	2.140	12	-0.35	2%	0
025.43	Iron, ICP, Microwave (ppm)	0027	36.12	1.481	37.66	5.376	2.140	12	-0.29	2%	0
025.43	Iron, ICP, Microwave (ppm)	0510	37.00	2.000	37.66	5.376	2.140	12	-0.12	1%	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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025.43	Iron, ICP, Microwave (ppm)	2033	37.00	2.000	37.66	5.376	2.140	12	-0.12	1%	0
025.43	Iron, ICP, Microwave (ppm)	0870	41.07	0.0200	37.66	5.376	2.140	12	0.63	5%	0
025.43	Iron, ICP, Microwave (ppm)	0098	41.21	1.490	37.66	5.376	2.140	12	0.66	5%	0
025.43	Iron, ICP, Microwave (ppm)	0407	45.60	3.301	37.66	5.376	2.140	12	1.48	11%	0
025.43	Iron, ICP, Microwave (ppm)	0425	57.83	10.92	37.66	5.376	2.140	12	3.75	27%	0
025.43	Iron, ICP, Microwave (ppm)	2089	198.5	17.16	37.66	5.376	2.140	12	29.93	214%	2
025.53	Iron, ICP-MS, Microwave (ppm)	0553	33.15	2.300				2			0
025.53	Iron, ICP-MS, Microwave (ppm)	0407	48.96	1.912				2			0
025.99	Iron, Miscellaneous (ppm)	0242	30.00	0.0000				2			0
025.99	Iron, Miscellaneous (ppm)	2114	35.45	1.602				2			0
027.31	Magnesium, AAS, Dry ash (%)	0529	0.0990	0.0020				2			0
027.31	Magnesium, AAS, Dry ash (%)	0001	0.1088	0.0007				2			0
027.33	Magnesium, AAS, Microwave (%)	0010	0.1200	0.0000				1			0
027.41	Magnesium, ICP, Dry ash (%)	0098	0.1100	0.0000	0.1150	0.0041	0.0007	11	-1.21	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0910	0.1100	0.0000	0.1150	0.0041	0.0007	11	-1.21	2%	0
027.41	Magnesium, ICP, Dry ash (%)	2382	0.1110	0.0020	0.1150	0.0041	0.0007	11	-0.96	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0164	0.1135	0.0010	0.1150	0.0041	0.0007	11	-0.36	1%	0
027.41	Magnesium, ICP, Dry ash (%)	2385	0.1140	0.0020	0.1150	0.0041	0.0007	11	-0.24	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0407	0.1149	0.0001	0.1150	0.0041	0.0007	11	-0.03	0%	0
027.41	Magnesium, ICP, Dry ash (%)	1021	0.1165	0.0010	0.1150	0.0041	0.0007	11	0.37	1%	0
027.41	Magnesium, ICP, Dry ash (%)	1023	0.1170	0.0000	0.1150	0.0041	0.0007	11	0.49	1%	0
027.41	Magnesium, ICP, Dry ash (%)	1024	0.1185	0.0010	0.1150	0.0041	0.0007	11	0.85	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0074	0.1195	0.0010	0.1150	0.0041	0.0007	11	1.09	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0171	0.1200	0.0000	0.1150	0.0041	0.0007	11	1.21	2%	0
027.41	Magnesium, ICP, Dry ash (%)	2395	0.1215	0.0070	0.1150	0.0041	0.0007	11	1.57	3%	1
027.42	Magnesium, ICP, Open vessel (%)	0870	0.1090	0.0074				3			0
027.42	Magnesium, ICP, Open vessel (%)	2207	0.1100	0.0000				3			0
027.42	Magnesium, ICP, Open vessel (%)	0009	0.1214	0.0041				3			0
027.43	Magnesium, ICP, Microwave (%)	2023	0.1090	0.0000	0.1171	0.0064	0.0024	13	-1.26	3%	0
027.43	Magnesium, ICP, Microwave (%)	0511	0.1100	0.0000	0.1171	0.0064	0.0024	13	-1.11	3%	0
027.43	Magnesium, ICP, Microwave (%)	0918	0.1110	0.0000	0.1171	0.0064	0.0024	13	-0.95	3%	0
027.43	Magnesium, ICP, Microwave (%)	0425	0.1119	0.0026	0.1171	0.0064	0.0024	13	-0.81	2%	0
027.43	Magnesium, ICP, Microwave (%)	0407	0.1144	0.0060	0.1171	0.0064	0.0024	13	-0.42	1%	0
027.43	Magnesium, ICP, Microwave (%)	0870	0.1151	0.0036	0.1171	0.0064	0.0024	13	-0.31	1%	0
027.43	Magnesium, ICP, Microwave (%)	2136	0.1190	0.0020	0.1171	0.0064	0.0024	13	0.30	1%	0
027.43	Magnesium, ICP, Microwave (%)	0098	0.1200	0.0000	0.1171	0.0064	0.0024	13	0.45	1%	0
027.43	Magnesium, ICP, Microwave (%)	2033	0.1200	0.0000	0.1171	0.0064	0.0024	13	0.45	1%	0
027.43	Magnesium, ICP, Microwave (%)	2089	0.1200	0.0000	0.1171	0.0064	0.0024	13	0.45	1%	0
027.43	Magnesium, ICP, Microwave (%)	2124	0.1200	0.0000	0.1171	0.0064	0.0024	13	0.45	1%	0
027.43	Magnesium, ICP, Microwave (%)	0510	0.1250	0.0100	0.1171	0.0064	0.0024	13	1.23	3%	0
027.43	Magnesium, ICP, Microwave (%)	0042	0.1365	0.0070	0.1171	0.0064	0.0024	13	3.03	8%	0
027.43	Magnesium, ICP, Microwave (%)	0876	0.1230	0.0200	0.1171	0.0064	0.0024	13	0.92	3%	1

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
027.44	Magnesium, ICP, Dry ash (%)	2384	0.1115	0.0030	0.1186	0.0047	0.0033	10	-1.52	3%	0
027.44	Magnesium, ICP, Dry ash (%)	2220	0.1130	0.0020	0.1186	0.0047	0.0033	10	-1.19	2%	0
027.44	Magnesium, ICP, Dry ash (%)	2362	0.1165	0.0050	0.1186	0.0047	0.0033	10	-0.44	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2396	0.1170	0.0020	0.1186	0.0047	0.0033	10	-0.33	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2219	0.1185	0.0030	0.1186	0.0047	0.0033	10	-0.01	0%	0
027.44	Magnesium, ICP, Dry ash (%)	1022	0.1195	0.0010	0.1186	0.0047	0.0033	10	0.20	0%	0
027.44	Magnesium, ICP, Dry ash (%)	2361	0.1205	0.0050	0.1186	0.0047	0.0033	10	0.42	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2156	0.1225	0.0050	0.1186	0.0047	0.0033	10	0.85	2%	0
027.44	Magnesium, ICP, Dry ash (%)	2252	0.1225	0.0050	0.1186	0.0047	0.0033	10	0.85	2%	0
027.44	Magnesium, ICP, Dry ash (%)	2293	0.1240	0.0020	0.1186	0.0047	0.0033	10	1.17	2%	0
027.52	Magnesium, ICP-MS, Open vessel (%)	0047	0.1095	0.0070				1			0
027.53	Magnesium, ICP-MS, Microwave (%)	0553	0.1135	0.0010				2			0
027.53	Magnesium, ICP-MS, Microwave (%)	0407	0.1326	0.0102				2			0
027.99	Magnesium, Miscellaneous (%)	0242	0.1150	0.0100				3			0
027.99	Magnesium, Miscellaneous (%)	2114	0.1161	0.0004				3			0
027.99	Magnesium, Miscellaneous (%)	2373	0.1193	0.0017				3			0
028.31	Manganese, AAS, Dry ash (ppm)	0529	14.30	2.400				2			0
028.31	Manganese, AAS, Dry ash (ppm)	0001	14.74	0.3000				2			0
028.41	Manganese, ICP, Dry ash (ppm)	2382	14.66	0.1800	15.30	0.4535	0.2971	11	-1.41	2%	0
028.41	Manganese, ICP, Dry ash (ppm)	0074	15.00	0.0000	15.30	0.4535	0.2971	11	-0.66	1%	0
028.41	Manganese, ICP, Dry ash (ppm)	0164	15.00	0.0000	15.30	0.4535	0.2971	11	-0.66	1%	0
028.41	Manganese, ICP, Dry ash (ppm)	0910	15.00	0.0000	15.30	0.4535	0.2971	11	-0.66	1%	0
028.41	Manganese, ICP, Dry ash (ppm)	1024	15.10	0.2500	15.30	0.4535	0.2971	11	-0.45	1%	0
028.41	Manganese, ICP, Dry ash (ppm)	2385	15.26	0.1400	15.30	0.4535	0.2971	11	-0.08	0%	0
028.41	Manganese, ICP, Dry ash (ppm)	2219	15.33	0.7200	15.30	0.4535	0.2971	11	0.07	0%	0
028.41	Manganese, ICP, Dry ash (ppm)	2361	15.49	0.5900	15.30	0.4535	0.2971	11	0.41	1%	0
028.41	Manganese, ICP, Dry ash (ppm)	0171	15.70	0.0000	15.30	0.4535	0.2971	11	0.89	1%	0
028.41	Manganese, ICP, Dry ash (ppm)	0098	15.77	0.5400	15.30	0.4535	0.2971	11	1.04	2%	0
028.41	Manganese, ICP, Dry ash (ppm)	0407	23.34	0.8481	15.30	0.4535	0.2971	11	17.73	26%	0
028.42	Manganese, ICP, Open vessel (ppm)	2207	12.50	1.000				3			0
028.42	Manganese, ICP, Open vessel (ppm)	0870	14.92	0.0600				3			0
028.42	Manganese, ICP, Open vessel (ppm)	0009	15.00	0.0000				3			0
028.43	Manganese, ICP, Microwave (ppm)	0511	13.50	1.000	16.22	2.040	0.4930	13	-1.33	8%	0
028.43	Manganese, ICP, Microwave (ppm)	0918	14.34	0.1100	16.22	2.040	0.4930	13	-0.93	6%	0
028.43	Manganese, ICP, Microwave (ppm)	0027	15.21	0.5290	16.22	2.040	0.4930	13	-0.50	3%	0
028.43	Manganese, ICP, Microwave (ppm)	2136	15.25	0.7000	16.22	2.040	0.4930	13	-0.48	3%	0
028.43	Manganese, ICP, Microwave (ppm)	2033	15.28	0.4500	16.22	2.040	0.4930	13	-0.46	3%	0
028.43	Manganese, ICP, Microwave (ppm)	2124	15.37	0.4500	16.22	2.040	0.4930	13	-0.42	3%	0
028.43	Manganese, ICP, Microwave (ppm)	2023	15.80	0.0000	16.22	2.040	0.4930	13	-0.21	1%	0
028.43	Manganese, ICP, Microwave (ppm)	0510	16.00	0.0000	16.22	2.040	0.4930	13	-0.11	1%	0
028.43	Manganese, ICP, Microwave (ppm)	0098	16.23	0.5000	16.22	2.040	0.4930	13	0.00	0%	0
028.43	Manganese, ICP, Microwave (ppm)	0870	16.97	0.3600	16.22	2.040	0.4930	13	0.37	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			
028.43	Manganese, ICP, Microwave (ppm)	0042	18.40	1.000	16.22	2.040	0.4930	13	1.07	7%	0
028.43	Manganese, ICP, Microwave (ppm)	2089	19.78	0.3700	16.22	2.040	0.4930	13	1.74	11%	0
028.43	Manganese, ICP, Microwave (ppm)	0407	21.67	0.9400	16.22	2.040	0.4930	13	2.67	17%	0
028.43	Manganese, ICP, Microwave (ppm)	0425	30.33	4.300	16.22	2.040	0.4930	13	6.91	43%	1
028.44	Manganese, ICP, Dry ash (ppm)	2384	14.44	0.2900				2			0
028.44	Manganese, ICP, Dry ash (ppm)	1022	15.34	0.0200				2			0
028.52	Manganese, ICP-MS, Open vessel (ppm)	0047	20.76	1.490				1			0
028.53	Manganese, ICP-MS, Microwave (ppm)	0553	14.90	1.200				2			0
028.53	Manganese, ICP-MS, Microwave (ppm)	0407	24.26	1.829				2			0
028.99	Manganese, Miscellaneous (ppm)	2373	9.060	0.1200				3			0
028.99	Manganese, Miscellaneous (ppm)	0242	15.00	0.0000				3			0
028.99	Manganese, Miscellaneous (ppm)	2114	15.14	0.1099				3			0
031.01	Phosphorus, Photometric (%)	0529	0.3400	0.0000				1			0
031.03	Phosphorus, Autoanalyzer (%)	0001	0.3445	0.0010				1			0
031.41	Phosphorus, ICP, Dry ash (%)	0910	0.3050	0.0100	0.3349	0.0174	0.0032	12	-1.72	4%	0
031.41	Phosphorus, ICP, Dry ash (%)	1021	0.3200	0.0000	0.3349	0.0174	0.0032	12	-0.86	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	2382	0.3200	0.0000	0.3349	0.0174	0.0032	12	-0.86	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0164	0.3215	0.0010	0.3349	0.0174	0.0032	12	-0.77	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	1023	0.3300	0.0000	0.3349	0.0174	0.0032	12	-0.28	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	1024	0.3300	0.0000	0.3349	0.0174	0.0032	12	-0.28	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0171	0.3400	0.0000	0.3349	0.0174	0.0032	12	0.29	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	2395	0.3435	0.0010	0.3349	0.0174	0.0032	12	0.49	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	2114	0.3463	0.0020	0.3349	0.0174	0.0032	12	0.65	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0098	0.3489	0.0022	0.3349	0.0174	0.0032	12	0.80	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0407	0.3547	0.0129	0.3349	0.0174	0.0032	12	1.13	3%	0
031.41	Phosphorus, ICP, Dry ash (%)	0074	0.3555	0.0090	0.3349	0.0174	0.0032	12	1.18	3%	0
031.42	Phosphorus, ICP, Open vessel (%)	0047	0.2700	0.0000	0.3265	0.0403	0.0076	4			0
031.42	Phosphorus, ICP, Open vessel (%)	2207	0.3250	0.0100	0.3265	0.0403	0.0076	4			0
031.42	Phosphorus, ICP, Open vessel (%)	0009	0.3554	0.0121	0.3265	0.0403	0.0076	4			0
031.42	Phosphorus, ICP, Open vessel (%)	0870	0.3557	0.0082	0.3265	0.0403	0.0076	4			0
031.43	Phosphorus, ICP, Microwave (%)	0511	0.3100	0.0200	0.3400	0.0103	0.0118	14	-2.92	4%	0
031.43	Phosphorus, ICP, Microwave (%)	2033	0.3145	0.0030	0.3400	0.0103	0.0118	14	-2.49	4%	0
031.43	Phosphorus, ICP, Microwave (%)	0918	0.3330	0.0120	0.3400	0.0103	0.0118	14	-0.69	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0098	0.3349	0.0116	0.3400	0.0103	0.0118	14	-0.50	1%	0
031.43	Phosphorus, ICP, Microwave (%)	2023	0.3360	0.0000	0.3400	0.0103	0.0118	14	-0.39	1%	0
031.43	Phosphorus, ICP, Microwave (%)	2136	0.3375	0.0170	0.3400	0.0103	0.0118	14	-0.25	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0510	0.3400	0.0200	0.3400	0.0103	0.0118	14	0.00	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0010	0.3400	0.0000	0.3400	0.0103	0.0118	14	0.00	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0042	0.3445	0.0090	0.3400	0.0103	0.0118	14	0.43	1%	0
031.43	Phosphorus, ICP, Microwave (%)	2124	0.3450	0.0100	0.3400	0.0103	0.0118	14	0.48	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0407	0.3471	0.0221	0.3400	0.0103	0.0118	14	0.68	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0876	0.3480	0.0020	0.3400	0.0103	0.0118	14	0.77	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			
031.43	Phosphorus, ICP, Microwave (%)	2089	0.3500	0.0200	0.3400	0.0103	0.0118	14	0.97	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0870	0.3876	0.0180	0.3400	0.0103	0.0118	14	4.63	7%	0
031.43	Phosphorus, ICP, Microwave (%)	0425	0.6750	0.0900	0.3400	0.0103	0.0118	14	32.60	49%	2
031.44	Phosphorus, ICP, Dry ash (%)	2220	0.3250	0.0100	0.3356	0.0086	0.0114	11	-1.23	2%	0
031.44	Phosphorus, ICP, Dry ash (%)	2384	0.3250	0.0100	0.3356	0.0086	0.0114	11	-1.23	2%	0
031.44	Phosphorus, ICP, Dry ash (%)	2385	0.3300	0.0000	0.3356	0.0086	0.0114	11	-0.65	1%	0
031.44	Phosphorus, ICP, Dry ash (%)	2396	0.3315	0.0150	0.3356	0.0086	0.0114	11	-0.47	1%	0
031.44	Phosphorus, ICP, Dry ash (%)	2362	0.3325	0.0250	0.3356	0.0086	0.0114	11	-0.36	0%	0
031.44	Phosphorus, ICP, Dry ash (%)	1022	0.3350	0.0100	0.3356	0.0086	0.0114	11	-0.07	0%	0
031.44	Phosphorus, ICP, Dry ash (%)	2219	0.3390	0.0160	0.3356	0.0086	0.0114	11	0.39	1%	0
031.44	Phosphorus, ICP, Dry ash (%)	2361	0.3400	0.0180	0.3356	0.0086	0.0114	11	0.51	1%	0
031.44	Phosphorus, ICP, Dry ash (%)	2252	0.3410	0.0060	0.3356	0.0086	0.0114	11	0.62	1%	0
031.44	Phosphorus, ICP, Dry ash (%)	2156	0.3440	0.0000	0.3356	0.0086	0.0114	11	0.97	1%	0
031.44	Phosphorus, ICP, Dry ash (%)	2293	0.3495	0.0150	0.3356	0.0086	0.0114	11	1.61	2%	0
031.53	Phosphorus, ICP-MS, Microwave (%)	0553	0.3375	0.0070				2			0
031.53	Phosphorus, ICP-MS, Microwave (%)	0407	0.3476	0.0193				2			0
031.99	Phosphorus, Miscellaneous (%)	0242	0.3100	0.0200				2			0
031.99	Phosphorus, Miscellaneous (%)	2373	0.4600	0.0000				2			0
032.31	Potassium, AAS, Dry ash (%)	0529	0.3550	0.0300				2			0
032.31	Potassium, AAS, Dry ash (%)	0208	0.4185	0.0110				2			0
032.41	Potassium, ICP, Dry ash (%)	2382	0.3600	0.0000	0.4159	0.0223	0.0045	12	-2.50	7%	0
032.41	Potassium, ICP, Dry ash (%)	0910	0.3850	0.0100	0.4159	0.0223	0.0045	12	-1.38	4%	0
032.41	Potassium, ICP, Dry ash (%)	0164	0.4015	0.0030	0.4159	0.0223	0.0045	12	-0.64	2%	0
032.41	Potassium, ICP, Dry ash (%)	0098	0.4100	0.0000	0.4159	0.0223	0.0045	12	-0.26	1%	0
032.41	Potassium, ICP, Dry ash (%)	1023	0.4100	0.0000	0.4159	0.0223	0.0045	12	-0.26	1%	0
032.41	Potassium, ICP, Dry ash (%)	1021	0.4150	0.0100	0.4159	0.0223	0.0045	12	-0.04	0%	0
032.41	Potassium, ICP, Dry ash (%)	1024	0.4200	0.0000	0.4159	0.0223	0.0045	12	0.19	0%	0
032.41	Potassium, ICP, Dry ash (%)	0208	0.4235	0.0110	0.4159	0.0223	0.0045	12	0.34	1%	0
032.41	Potassium, ICP, Dry ash (%)	2395	0.4285	0.0110	0.4159	0.0223	0.0045	12	0.57	2%	0
032.41	Potassium, ICP, Dry ash (%)	0171	0.4300	0.0000	0.4159	0.0223	0.0045	12	0.63	2%	0
032.41	Potassium, ICP, Dry ash (%)	0074	0.4350	0.0020	0.4159	0.0223	0.0045	12	0.86	2%	0
032.41	Potassium, ICP, Dry ash (%)	0407	0.4495	0.0070	0.4159	0.0223	0.0045	12	1.51	4%	0
032.42	Potassium, ICP, Open vessel (%)	0047	0.3650	0.0100	0.3936	0.0406	0.0109	4			0
032.42	Potassium, ICP, Open vessel (%)	0870	0.3674	0.0124	0.3936	0.0406	0.0109	4			0
032.42	Potassium, ICP, Open vessel (%)	2207	0.3900	0.0000	0.3936	0.0406	0.0109	4			0
032.42	Potassium, ICP, Open vessel (%)	0009	0.4521	0.0213	0.3936	0.0406	0.0109	4			0
032.43	Potassium, ICP, Microwave (%)	2023	0.3300	0.0000	0.4169	0.0239	0.0128	15	-3.63	10%	0
032.43	Potassium, ICP, Microwave (%)	0870	0.3846	0.0164	0.4169	0.0239	0.0128	15	-1.35	4%	0
032.43	Potassium, ICP, Microwave (%)	2089	0.3950	0.0100	0.4169	0.0239	0.0128	15	-0.91	3%	0
032.43	Potassium, ICP, Microwave (%)	0918	0.3965	0.0050	0.4169	0.0239	0.0128	15	-0.85	2%	0
032.43	Potassium, ICP, Microwave (%)	2124	0.4100	0.0000	0.4169	0.0239	0.0128	15	-0.29	1%	0
032.43	Potassium, ICP, Microwave (%)	0027	0.4130	0.0020	0.4169	0.0239	0.0128	15	-0.16	0%	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			
032.43	Potassium, ICP, Microwave (%)	2033	0.4150	0.0100	0.4169	0.0239	0.0128	15	-0.08	0%	0
032.43	Potassium, ICP, Microwave (%)	0511	0.4150	0.0300	0.4169	0.0239	0.0128	15	-0.08	0%	0
032.43	Potassium, ICP, Microwave (%)	0510	0.4200	0.0200	0.4169	0.0239	0.0128	15	0.13	0%	0
032.43	Potassium, ICP, Microwave (%)	0042	0.4285	0.0090	0.4169	0.0239	0.0128	15	0.49	1%	0
032.43	Potassium, ICP, Microwave (%)	0425	0.4300	0.0200	0.4169	0.0239	0.0128	15	0.55	2%	0
032.43	Potassium, ICP, Microwave (%)	2136	0.4300	0.0100	0.4169	0.0239	0.0128	15	0.55	2%	0
032.43	Potassium, ICP, Microwave (%)	0098	0.4400	0.0200	0.4169	0.0239	0.0128	15	0.97	3%	0
032.43	Potassium, ICP, Microwave (%)	0407	0.4420	0.0289	0.4169	0.0239	0.0128	15	1.05	3%	0
032.43	Potassium, ICP, Microwave (%)	0010	0.4550	0.0100	0.4169	0.0239	0.0128	15	1.59	5%	0
032.44	Potassium, ICP, Dry ash (%)	2385	0.3800	0.0000	0.4177	0.0217	0.0104	11	-1.74	5%	0
032.44	Potassium, ICP, Dry ash (%)	2384	0.3900	0.0200	0.4177	0.0217	0.0104	11	-1.28	3%	0
032.44	Potassium, ICP, Dry ash (%)	2220	0.4000	0.0000	0.4177	0.0217	0.0104	11	-0.82	2%	0
032.44	Potassium, ICP, Dry ash (%)	2362	0.4110	0.0300	0.4177	0.0217	0.0104	11	-0.31	1%	0
032.44	Potassium, ICP, Dry ash (%)	2396	0.4165	0.0170	0.4177	0.0217	0.0104	11	-0.06	0%	0
032.44	Potassium, ICP, Dry ash (%)	1022	0.4200	0.0000	0.4177	0.0217	0.0104	11	0.10	0%	0
032.44	Potassium, ICP, Dry ash (%)	2361	0.4300	0.0220	0.4177	0.0217	0.0104	11	0.57	1%	0
032.44	Potassium, ICP, Dry ash (%)	2219	0.4330	0.0020	0.4177	0.0217	0.0104	11	0.70	2%	0
032.44	Potassium, ICP, Dry ash (%)	2156	0.4335	0.0010	0.4177	0.0217	0.0104	11	0.73	2%	0
032.44	Potassium, ICP, Dry ash (%)	2252	0.4360	0.0040	0.4177	0.0217	0.0104	11	0.84	2%	0
032.44	Potassium, ICP, Dry ash (%)	2293	0.4400	0.0180	0.4177	0.0217	0.0104	11	1.03	3%	0
032.53	Potassium, ICP-MS, Microwave (%)	0553	0.3955	0.0010				2			0
032.53	Potassium, ICP-MS, Microwave (%)	0407	0.4827	0.0447				2			0
032.99	Potassium, Miscellaneous (%)	0001	0.3940	0.0100	0.4090	0.0181	0.0083	4			0
032.99	Potassium, Miscellaneous (%)	2373	0.3950	0.0100	0.4090	0.0181	0.0083	4			0
032.99	Potassium, Miscellaneous (%)	0242	0.4150	0.0100	0.4090	0.0181	0.0083	4			0
032.99	Potassium, Miscellaneous (%)	2114	0.4320	0.0030	0.4090	0.0181	0.0083	4			0
033.00	Salt as chloride, Sol Cl (%)	0309	0.1490	0.0204				1			0
033.01	Salt as chloride, Poten Cl (%)	0510	0.1480	0.0000	0.1699	0.0209	0.0078	4			0
033.01	Salt as chloride, Poten Cl (%)	0242	0.1600	0.0200	0.1699	0.0209	0.0078	4			0
033.01	Salt as chloride, Poten Cl (%)	0098	0.1750	0.0100	0.1699	0.0209	0.0078	4			0
033.01	Salt as chloride, Poten Cl (%)	0407	0.1965	0.0010	0.1699	0.0209	0.0078	4			0
033.01	Salt as chloride, Poten Cl (%)	0425	0.1950	0.0700	0.1699	0.0209	0.0078	4			1
033.01	Salt as chloride, Poten Cl (%)	0164	< 0.1		0.1699	0.0209	0.0078	4			5
033.05	Salt as chloride, Ion Sel Electrode (%)	0171	0.1400	0.0000				1			0
033.99	Salt, Miscellaneous (%)	0650	0.1450	0.0100				1			0
034.04	Selenium, Total (Se), AA, Hydride (ppm)	0171	0.0220	0.0180				1			0
034.52	Selenium, Total (Se), ICP-MS, Open vessel (ppm)	0047	0.2780	0.0660				1			0
034.52	Selenium, Total (Se), ICP-MS, Open vessel (ppm)	2207	< 0.1					1			5
034.53	Selenium, Total (Se), ICP-MS, Microwave (ppm)	0553	0.0215	0.0004				3			0
034.53	Selenium, Total (Se), ICP-MS, Microwave (ppm)	2033	0.0290	0.0180				3			0
034.53	Selenium, Total (Se), ICP-MS, Microwave (ppm)	0407	0.0543	0.0022				3			0
034.53	Selenium, Total (Se), ICP-MS, Microwave (ppm)	0027	5.176	0.0250				3			2

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			
034.53	Selenium, Total (Se), ICP-MS, Microwave (ppm)	2136	< 0.047								5
034.53	Selenium, Total (Se), ICP-MS, Microwave (ppm)	0164	< 0.05								5
034.53	Selenium, Total (Se), ICP-MS, Microwave (ppm)	0009	< 0.128								5
034.53	Selenium, Total (Se), ICP-MS, Microwave (ppm)	0010	< 0.2								5
034.53	Selenium, Total (Se), ICP-MS, Microwave (ppm)	0918	< 0.5								5
034.53	Selenium, Total (Se), ICP-MS, Microwave (ppm)	2023	< 2.07								5
035.41	Sodium, ICP, Dry ash (%)	0098	0.0023	0.0001	0.0156	0.0051	0.0024	19	-2.60	43%	0
035.41	Sodium, ICP, Dry ash (%)	0164	0.0035	0.0030	0.0156	0.0051	0.0024	19	-2.36	39%	0
035.41	Sodium, ICP, Dry ash (%)	0171	0.0055	0.0010	0.0156	0.0051	0.0024	19	-1.97	32%	0
035.41	Sodium, ICP, Dry ash (%)	0407	0.0091	0.0002	0.0156	0.0051	0.0024	19	-1.26	21%	0
035.41	Sodium, ICP, Dry ash (%)	1024	0.0100	0.0000	0.0156	0.0051	0.0024	19	-1.09	18%	0
035.41	Sodium, ICP, Dry ash (%)	2384	0.0150	0.0100	0.0156	0.0051	0.0024	19	-0.11	2%	0
035.41	Sodium, ICP, Dry ash (%)	2156	0.0170	0.0040	0.0156	0.0051	0.0024	19	0.28	5%	0
035.41	Sodium, ICP, Dry ash (%)	2293	0.0170	0.0040	0.0156	0.0051	0.0024	19	0.28	5%	0
035.41	Sodium, ICP, Dry ash (%)	2395	0.0170	0.0040	0.0156	0.0051	0.0024	19	0.28	5%	0
035.41	Sodium, ICP, Dry ash (%)	2220	0.0175	0.0050	0.0156	0.0051	0.0024	19	0.38	6%	0
035.41	Sodium, ICP, Dry ash (%)	2361	0.0175	0.0050	0.0156	0.0051	0.0024	19	0.38	6%	0
035.41	Sodium, ICP, Dry ash (%)	2396	0.0175	0.0070	0.0156	0.0051	0.0024	19	0.38	6%	0
035.41	Sodium, ICP, Dry ash (%)	2219	0.0180	0.0000	0.0156	0.0051	0.0024	19	0.48	8%	0
035.41	Sodium, ICP, Dry ash (%)	2362	0.0180	0.0020	0.0156	0.0051	0.0024	19	0.48	8%	0
035.41	Sodium, ICP, Dry ash (%)	2252	0.0185	0.0010	0.0156	0.0051	0.0024	19	0.57	9%	0
035.41	Sodium, ICP, Dry ash (%)	1021	0.0200	0.0000	0.0156	0.0051	0.0024	19	0.87	14%	0
035.41	Sodium, ICP, Dry ash (%)	1022	0.0200	0.0000	0.0156	0.0051	0.0024	19	0.87	14%	0
035.41	Sodium, ICP, Dry ash (%)	2382	0.0200	0.0000	0.0156	0.0051	0.0024	19	0.87	14%	0
035.41	Sodium, ICP, Dry ash (%)	2385	0.0200	0.0000	0.0156	0.0051	0.0024	19	0.87	14%	0
035.41	Sodium, ICP, Dry ash (%)	1023	14.67	0.0000	0.0156	0.0051	0.0024	19	2865.97	47065%	2
035.42	Sodium, ICP, Open vessel (%)	0870	0.0039	0.0005				1			0
035.43	Sodium, ICP, Microwave (%)	0870	0.0019	0.0000	0.0046	0.0033	0.0001	8	-0.84	30%	0
035.43	Sodium, ICP, Microwave (%)	2033	0.0019	0.0002	0.0046	0.0033	0.0001	8	-0.84	30%	0
035.43	Sodium, ICP, Microwave (%)	2124	0.0020	0.0000	0.0046	0.0033	0.0001	8	-0.81	28%	0
035.43	Sodium, ICP, Microwave (%)	0098	0.0034	0.0005	0.0046	0.0033	0.0001	8	-0.40	14%	0
035.43	Sodium, ICP, Microwave (%)	0918	0.0050	0.0000	0.0046	0.0033	0.0001	8	0.11	4%	0
035.43	Sodium, ICP, Microwave (%)	0510	0.0060	0.0000	0.0046	0.0033	0.0001	8	0.42	15%	0
035.43	Sodium, ICP, Microwave (%)	0407	0.0075	0.0002	0.0046	0.0033	0.0001	8	0.88	31%	0
035.43	Sodium, ICP, Microwave (%)	2089	0.0100	0.0000	0.0046	0.0033	0.0001	8	1.64	58%	0
035.43	Sodium, ICP, Microwave (%)	0425	0.0350	0.0100	0.0046	0.0033	0.0001	8	9.32	327%	1
035.53	Sodium, ICP-MS, Microwave (%)	0553	0.0017	0.0001				2			0
035.53	Sodium, ICP-MS, Microwave (%)	0407	0.0071	0.0006				2			0
035.99	Sodium, Miscellaneous (%)	0242	< 0.01					0			5
036.42	Sulfur, ICP, Open vessel (%)	0870	0.0876	0.0020	0.1001	0.0109	0.0010	6	-1.15	6%	0
036.42	Sulfur, ICP, Open vessel (%)	0910	0.0900	0.0000	0.1001	0.0109	0.0010	6	-0.93	5%	0
036.42	Sulfur, ICP, Open vessel (%)	0164	0.1000	0.0000	0.1001	0.0109	0.0010	6	-0.01	0%	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			
036.42	Sulfur, ICP, Open vessel (%)	0407	0.1030	0.0037	0.1001	0.0109	0.0010	6	0.26	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0171	0.1100	0.0000	0.1001	0.0109	0.0010	6	0.91	5%	0
036.42	Sulfur, ICP, Open vessel (%)	2207	0.1100	0.0000	0.1001	0.0109	0.0010	6	0.91	5%	0
036.43	Sulfur, ICP, Microwave (%)	2033	0.0935	0.0010	0.0995	0.0057	0.0029	11	-1.05	3%	0
036.43	Sulfur, ICP, Microwave (%)	0918	0.0940	0.0020	0.0995	0.0057	0.0029	11	-0.96	3%	0
036.43	Sulfur, ICP, Microwave (%)	0870	0.0941	0.0035	0.0995	0.0057	0.0029	11	-0.95	3%	0
036.43	Sulfur, ICP, Microwave (%)	2023	0.0947	0.0000	0.0995	0.0057	0.0029	11	-0.84	2%	0
036.43	Sulfur, ICP, Microwave (%)	0042	0.0980	0.0040	0.0995	0.0057	0.0029	11	-0.26	1%	0
036.43	Sulfur, ICP, Microwave (%)	0510	0.1000	0.0000	0.0995	0.0057	0.0029	11	0.10	0%	0
036.43	Sulfur, ICP, Microwave (%)	0098	0.1014	0.0010	0.0995	0.0057	0.0029	11	0.34	1%	0
036.43	Sulfur, ICP, Microwave (%)	0027	0.1015	0.0050	0.0995	0.0057	0.0029	11	0.36	1%	0
036.43	Sulfur, ICP, Microwave (%)	0407	0.1039	0.0054	0.0995	0.0057	0.0029	11	0.78	2%	0
036.43	Sulfur, ICP, Microwave (%)	0876	0.1050	0.0000	0.0995	0.0057	0.0029	11	0.98	3%	0
036.43	Sulfur, ICP, Microwave (%)	2089	0.1150	0.0100	0.0995	0.0057	0.0029	11	2.74	8%	0
036.99	Sulfur, Miscellaneous (%)	0242	< 0.1					0			5
037.31	Zinc, AAS, Dry ash (ppm)	0001	21.75	2.910				2			0
037.31	Zinc, AAS, Dry ash (ppm)	0529	26.55	1.900				2			0
037.33	Zinc, AAS, Microwave (ppm)	0010	24.60	1.000				1			0
037.41	Zinc, ICP, Dry ash (ppm)	0910	22.00	2.000	27.46	6.282	1.883	6	-0.87	10%	0
037.41	Zinc, ICP, Dry ash (ppm)	0164	23.00	0.0000	27.46	6.282	1.883	6	-0.71	8%	0
037.41	Zinc, ICP, Dry ash (ppm)	0098	25.08	0.1600	27.46	6.282	1.883	6	-0.38	4%	0
037.41	Zinc, ICP, Dry ash (ppm)	0171	27.30	0.4000	27.46	6.282	1.883	6	-0.03	0%	0
037.41	Zinc, ICP, Dry ash (ppm)	0074	30.50	5.000	27.46	6.282	1.883	6	0.48	6%	0
037.41	Zinc, ICP, Dry ash (ppm)	0407	57.41	3.738	27.46	6.282	1.883	6	4.77	55%	0
037.42	Zinc, ICP, Open vessel (ppm)	0009	20.50	1.000				3			0
037.42	Zinc, ICP, Open vessel (ppm)	2207	22.00	0.0000				3			0
037.42	Zinc, ICP, Open vessel (ppm)	0870	23.14	0.6200				3			0
037.43	Zinc, ICP, Microwave (ppm)	0511	21.00	2.000	27.19	5.541	1.822	13	-1.12	11%	0
037.43	Zinc, ICP, Microwave (ppm)	0918	21.80	0.2000	27.19	5.541	1.822	13	-0.97	10%	0
037.43	Zinc, ICP, Microwave (ppm)	2033	22.95	0.7000	27.19	5.541	1.822	13	-0.76	8%	0
037.43	Zinc, ICP, Microwave (ppm)	2124	24.32	0.0300	27.19	5.541	1.822	13	-0.52	5%	0
037.43	Zinc, ICP, Microwave (ppm)	2023	24.70	0.0000	27.19	5.541	1.822	13	-0.45	5%	0
037.43	Zinc, ICP, Microwave (ppm)	0870	24.71	0.2700	27.19	5.541	1.822	13	-0.45	5%	0
037.43	Zinc, ICP, Microwave (ppm)	0510	25.50	1.000	27.19	5.541	1.822	13	-0.30	3%	0
037.43	Zinc, ICP, Microwave (ppm)	0098	26.22	0.5000	27.19	5.541	1.822	13	-0.17	2%	0
037.43	Zinc, ICP, Microwave (ppm)	2089	28.76	4.750	27.19	5.541	1.822	13	0.28	3%	0
037.43	Zinc, ICP, Microwave (ppm)	0027	29.93	0.6930	27.19	5.541	1.822	13	0.49	5%	0
037.43	Zinc, ICP, Microwave (ppm)	0042	32.55	4.300	27.19	5.541	1.822	13	0.97	10%	0
037.43	Zinc, ICP, Microwave (ppm)	0407	40.78	2.089	27.19	5.541	1.822	13	2.45	25%	0
037.43	Zinc, ICP, Microwave (ppm)	0425	47.23	7.150	27.19	5.541	1.822	13	3.62	37%	0
037.52	Zinc, ICP-MS, Open vessel (ppm)	0047	40.50	0.9100				1			0
037.53	Zinc, ICP-MS, Microwave (ppm)	0553	25.20	2.400				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			
037.53	Zinc, ICP-MS, Microwave (ppm)	0407	40.86	2.059				2		0	
037.99	Zinc, Miscellaneous (ppm)	2373	21.07	0.0100				3		0	
037.99	Zinc, Miscellaneous (ppm)	0242	22.00	0.0000				3		0	
037.99	Zinc, Miscellaneous (ppm)	2114	23.57	0.4834				3		0	
038.41	Molybdenum, ICP, Dry ash (ppm)	0407	0.3292	0.0019				3		0	
038.41	Molybdenum, ICP, Dry ash (ppm)	0910	0.3600	0.0000				3		0	
038.41	Molybdenum, ICP, Dry ash (ppm)	0171	0.3805	0.0090				3		0	
038.43	Molybdenum, ICP, Microwave (ppm)	0407	0.3313	0.2304				3		0	
038.43	Molybdenum, ICP, Microwave (ppm)	2033	0.4400	0.0000				3		0	
038.43	Molybdenum, ICP, Microwave (ppm)	0510	0.6000	0.2000				3		0	
038.52	Molybdenum, ICP-MS, Open vessel (ppm)	2207	0.3000	0.0000				2		0	
038.52	Molybdenum, ICP-MS, Open vessel (ppm)	0047	1.579	0.0920				2		0	
038.53	Molybdenum, ICP-MS, Microwave (ppm)	2136	0.4075	0.0010				3		0	
038.53	Molybdenum, ICP-MS, Microwave (ppm)	0164	0.4120	0.0100				3		0	
038.53	Molybdenum, ICP-MS, Microwave (ppm)	0407	0.4587	0.0232				3		0	
038.53	Molybdenum, ICP-MS, Microwave (ppm)	0553	0.2146	0.4149				3		1	
038.53	Molybdenum, ICP-MS, Microwave (ppm)	0918	< 0.5					3		5	
038.53	Molybdenum, ICP-MS, Microwave (ppm)	2023	< 2.07					3		5	
040.53	Barium, ICP-MS, Microwave (ppm)	0918	2.975	0.1100				2		0	
040.53	Barium, ICP-MS, Microwave (ppm)	0407	3.510	0.0916				2		0	
041.53	Vanadium, ICP-MS, Microwave (ppm)	0553	0.0124	0.0009				2		0	
041.53	Vanadium, ICP-MS, Microwave (ppm)	0407	0.0728	0.0034				2		0	
101.02	Choline Chloride, LC (ppm)	0227	1,790	20.00				1		0	
102.01	Niacin, Microbiological (ppm)	0227	69.90	2.400				1		0	
103.01	Pantothenic Acid, Microbiological (ppm)	0227	1.720	0.0000				1		0	
104.00	Riboflavin, Fluorometric (ppm)	0227	1.085	0.0500				1		0	
105.01	Thiamine, Fluorometer (ppm)	0227	2.440	0.0400				1		0	
106.02	Vitamin A, LC (KU / kg)	0227	< 0.3					0		5	
107.00	Vitamin B12, Microbiological (ppb)	0227	< 4.4					0		5	
108.02	Vitamin D3, LC (KU / kg)	0227	< 0.04					0		5	
109.02	Vitamin E, LC (IU / kg)	0227	5.365	0.1100				1		0	
111.00	Vitamin C, Phosphorylated, LC (ppm)	0227	< 4.4					0		5	
112.01	Pyridoxine, LC (µg / g)	0227	1.870	0.0400				1		0	
113.01	Folic Acid, Micro (ppm)	0227	0.2865	0.0090				1		0	
114.01	Biotin, Microbiological (ppm)	0227	0.0777	0.0136				1		0	
120.00	Alanine, Post-col Ninhydrin Der (%)	0504	0.3900	0.0000				2		0	
120.00	Alanine, Post-col Ninhydrin Der (%)	0870	0.3942	0.0059				2		0	
120.02	Alanine, Post-col OPA Der (%)	2023	0.3750	0.0100				1		0	
120.05	Alanine, Pre-col AQC Der (%)	0407	0.3500	0.0340				1		0	
120.99	Alanine, Miscellaneous (%)	0227	0.3750	0.0100				1		0	
121.00	Arginine, Post-col Ninhydrin Der (%)	0504	0.4450	0.0100				2		0	
121.00	Arginine, Post-col Ninhydrin Der (%)	0870	0.4706	0.0027				2		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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121.02	Arginine, Post-col OPA Der (%)	2023	0.4450	0.0100				1		0	
121.05	Arginine, Pre-col AQC Der (%)	0407	0.3610	0.0040				1		0	
121.99	Arginine, Miscellaneous (%)	0227	0.4450	0.0100				1		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0504	0.5650	0.0100				2		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0870	0.6013	0.0378				2		0	
122.02	Aspartic, Post-col OPA Der (%)	2023	0.5500	0.0000				1		0	
122.05	Aspartic, Pre-col AQC Der (%)	0407	0.4730	0.0340				1		0	
122.99	Aspartic, Miscellaneous (%)	0227	0.5850	0.0100				1		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0227	0.1800	0.0000				3		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0870	0.1821	0.0051				3		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0504	0.2100	0.0000				3		0	
124.02	Cysteine/Cystine, PAO Post-col OPA Der (%)	2023	0.1750	0.0100				1		0	
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0407	0.1418	0.0115				1		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0504	1.995	0.0100				2		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0870	2.074	0.0452				2		0	
125.02	Glutamic, Post-col OPA Der (%)	2023	1.380	0.0800				1		0	
125.05	Glutamic, Pre-col AQC Der (%)	0407	1.895	0.2000				1		0	
125.99	Glutamic, Miscellaneous (%)	0227	1.960	0.0200				1		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0504	0.3850	0.0100				2		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0870	0.3899	0.0035				2		0	
126.02	Glycine, Post-col OPA Der (%)	2023	0.3700	0.0000				1		0	
126.05	Glycine, Pre-col AQC Der (%)	0407	0.4005	0.0190				1		0	
126.99	Glycine, Miscellaneous (%)	0227	0.3900	0.0000				1		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0870	0.1757	0.0037				2		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0504	0.2100	0.0000				2		0	
127.02	Histidine, Post-col OPA Der (%)	2023	0.1950	0.0100				1		0	
127.05	Histidine, Pre-col AQC Der (%)	0407	0.1805	0.0030				1		0	
127.99	Histidine, Miscellaneous (%)	0227	0.2200	0.0000				1		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0870	0.3216	0.0011				2		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0504	0.3400	0.0000				2		0	
128.02	Isoleucine, Post-col OPA Der (%)	2023	0.2900	0.0000				1		0	
128.05	Isoleucine, Pre-col AQC Der (%)	0407	0.3025	0.0210				1		0	
128.99	Isoleucine, Miscellaneous (%)	0227	0.3150	0.0100				1		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0504	0.6200	0.0000				2		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0870	0.6401	0.0160				2		0	
129.02	Leucine, Post-col OPA Der (%)	2023	0.5900	0.0000				1		0	
129.05	Leucine, Pre-col AQC Der (%)	0407	0.5575	0.0370				1		0	
129.99	Leucine, Miscellaneous (%)	0227	0.6100	0.0000				1		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0870	0.3332	0.0084				2		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0504	0.3600	0.0000				2		0	
130.02	L-Lysine, Post-col OPA Der (%)	2023	0.3300	0.0000				1		0	
130.05	L-Lysine, Pre-col AQC Der (%)	0407	0.2840	0.0180				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			
130.99	L-Lysine, Miscellaneous (%)	0227	0.4000	0.0200				1		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0870	0.1343	0.0018				3		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0227	0.1450	0.0100				3		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0504	0.1450	0.0100				3		0	
131.02	Methionine, PAO Post-col OPA Der (%)	2023	0.1250	0.0100				1		0	
131.05	Methionine, PAO Pre-col AQC Der (%)	0407	0.0951	0.0024				1		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0870	0.4129	0.0095				2		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0504	0.4400	0.0000				2		0	
132.02	Phenylalanine, Post-col OPA Der (%)	2023	0.4150	0.0100				1		0	
132.05	Phenylalanine, Pre-col AQC Der (%)	0407	0.3825	0.0050				1		0	
132.99	Phenylalanine, Miscellaneous (%)	0227	0.4300	0.0000				1		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0504	0.8150	0.0500				2		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0870	0.8646	0.0178				2		0	
133.05	Proline, Pre-col AQC Der (%)	0407	0.7940	0.0480				1		0	
133.99	Proline, Miscellaneous (%)	0227	0.8850	0.0700				2		0	
133.99	Proline, Miscellaneous (%)	2023	0.9350	0.0100				2		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0504	0.3450	0.0100				2		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0870	0.4425	0.0223				2		0	
134.02	Serine, Post-col OPA Der (%)	2023	0.3800	0.0000				1		0	
134.05	Serine, Pre-col AQC Der (%)	0407	0.2775	0.0110				1		0	
134.99	Serine, Miscellaneous (%)	0227	0.3950	0.0100				1		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0504	0.3000	0.0000				2		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0870	0.3286	0.0220				2		0	
135.02	Threonine, Post-col OPA Der (%)	2023	0.3000	0.0000				1		0	
135.05	Threonine, Pre-col AQC Der (%)	0407	0.2390	0.0100				1		0	
135.99	Threonine, Miscellaneous (%)	0227	0.3150	0.0100				1		0	
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0870	0.1321	0.0025				1		0	
136.02	Tryptophan, Alka-Hydrol Post-col OPA De (%)	2023	0.1000	0.0000				1		0	
136.03	Tryptophan, Alka-Hydrol + IS RP LC FI (%)	2114	0.1141	0.0002				1		0	
136.05	Tryptophan, Pre-col AQC Der (%)	0407	0.1345	0.0070				1		0	
136.99	Tryptophan, Miscellaneous (%)	0504	0.0850	0.0100				2		0	
136.99	Tryptophan, Miscellaneous (%)	0227	0.1250	0.0100				2		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0504	0.2050	0.0100				2		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0870	0.2537	0.0053				2		0	
137.02	Tyrosine, Post-col OPA Der (%)	2023	0.1900	0.0200				1		0	
137.05	Tyrosine, Pre-col AQC Der (%)	0407	0.2090	0.0020				1		0	
137.99	Tyrosine, Miscellaneous (%)	0227	0.2300	0.0000				1		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0870	0.4189	0.0243				2		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0504	0.4750	0.0100				2		0	
138.02	Valine, Post-col OPA Der (%)	2023	0.4600	0.0000				1		0	
138.05	Valine, Pre-col AQC Der (%)	0407	0.4335	0.0310				1		0	
138.99	Valine, Miscellaneous (%)	0227	0.5350	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			
139.00	Taurine, Post-col Ninhydrin Der (%)	0504	0.2150	0.0300				1		0	
139.05	Taurine, Pre-col AQC Der (%)	0407	0.0095	0.0010				1		0	
139.99	Taurine, Miscellaneous (%)	0227	< 0.01					0		5	
160.99	Fructose, Miscellaneous (%)	0227	< 0.15					0		5	
162.99	Glucose, Miscellaneous (%)	0227	< 0.15					0		5	
163.99	Lactose, Miscellaneous (%)	0227	< 0.15					0		5	
164.99	Maltose, Miscellaneous (%)	0227	< 0.15					0		5	
165.99	Sucrose, Miscellaneous (%)	0227	0.8250	0.0100				1		0	
166.99	Raffinose, Miscellaneous (%)	0227	0.4200	0.0000				1		0	
167.99	Stachyose, Miscellaneous (%)	0227	< 0.05					0		5	
400.01	Water Activity, Aqualab chilled mirror (Units)	0407	0.3328	0.0021				1		0	
516.00	Arsenic, Total (As), AA, Hydride (ppm)	0171	0.0035	0.0050				1		0	
516.43	Arsenic, Total (As), ICP, Microwave (ppm)	2124	< 0.89					0		5	
516.53	Arsenic, Total (As), ICP-MS, Microwave (ppm)	0553	0.0051	0.0002				2		0	
516.53	Arsenic, Total (As), ICP-MS, Microwave (ppm)	0407	0.0053	0.0015				2		0	
516.53	Arsenic, Total (As), ICP-MS, Microwave (ppm)	0227	< 0.01					2		5	
516.53	Arsenic, Total (As), ICP-MS, Microwave (ppm)	2033	< 0.02					2		5	
516.53	Arsenic, Total (As), ICP-MS, Microwave (ppm)	0918	< 0.5					2		5	
518.41	Cadmium, ICP, Dry ash (ppm)	0171	0.0055	0.0010				2		0	
518.41	Cadmium, ICP, Dry ash (ppm)	0407	0.0273	0.0109				2		0	
518.43	Cadmium, ICP, Microwave (ppm)	0407	0.0314	0.0208				1		0	
518.43	Cadmium, ICP, Microwave (ppm)	2124	< 0.16					1		5	
518.53	Cadmium, ICP-MS, Microwave (ppm)	0407	0.0054	0.0002				2		0	
518.53	Cadmium, ICP-MS, Microwave (ppm)	0553	0.0068	0.0007				2		0	
518.53	Cadmium, ICP-MS, Microwave (ppm)	0227	< 0.01					2		5	
518.53	Cadmium, ICP-MS, Microwave (ppm)	2033	< 0.01					2		5	
518.53	Cadmium, ICP-MS, Microwave (ppm)	0918	< 0.5					2		5	
520.41	Chromium, Total (Cr), ICP, Dry ash (ppm)	0171	0.5350	0.0080				2		0	
520.41	Chromium, Total (Cr), ICP, Dry ash (ppm)	0407	1.051	0.0690				2		0	
520.43	Chromium, Total (Cr), ICP, Microwave (ppm)	0510	0.8800	0.0400				2		0	
520.43	Chromium, Total (Cr), ICP, Microwave (ppm)	0407	1.169	0.5380				2		0	
520.53	Chromium, Total (Cr), ICP-MS, Microwave (ppm)	0553	0.8545	0.0210				3		0	
520.53	Chromium, Total (Cr), ICP-MS, Microwave (ppm)	0164	0.9030	0.0700				3		0	
520.53	Chromium, Total (Cr), ICP-MS, Microwave (ppm)	0407	2.684	0.3170				3		0	
526.41	Lead, ICP, Dry ash (ppm)	0407	0.0717	0.0720				1		0	
526.43	Lead, ICP, Microwave (ppm)	0407	0.1674	0.2561				1		0	
526.53	Lead, ICP-MS, Microwave (ppm)	0407	0.0116	0.0004				2		0	
526.53	Lead, ICP-MS, Microwave (ppm)	0553	0.0124	0.0101				2		0	
526.53	Lead, ICP-MS, Microwave (ppm)	0227	< 0.01					2		5	
526.53	Lead, ICP-MS, Microwave (ppm)	2033	< 0.02					2		5	
526.53	Lead, ICP-MS, Microwave (ppm)	0918	< 0.5					2		5	
529.99	Mercury, Miscellaneous (ppb)	0407	< 0.1					0		5	

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
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529.99	Mercury, Miscellaneous (ppb)	2033	< 5						0		5
529.99	Mercury, Miscellaneous (ppb)	0227	< 10						0		5
539.41	Nickel, ICP, Dry ash (ppm)	0171	0.4045	0.0070					2		0
539.41	Nickel, ICP, Dry ash (ppm)	0407	0.5259	0.0012					2		0
539.43	Nickel, ICP, Microwave (ppm)	0407	0.4779	0.0647					1		0
539.53	Nickel, ICP-MS, Microwave (ppm)	0553	0.4960	0.0100					2		0
539.53	Nickel, ICP-MS, Microwave (ppm)	0407	0.9912	0.0637					2		0
539.53	Nickel, ICP-MS, Microwave (ppm)	0918	< 0.5						2		5

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.