



AAFCO
Association of American Feed Control Officials



Pet Food Ingredient Scheme

Corn

Labs Reporting: 84

Methods Reported 248

Test Material Code # 202342

Method Proficiency Testing Report

Issue Date : 06/30/2023

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0407	12.03	0.0369	12.22	0.2133	0.1174	5		0	
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0309	12.11	0.3000	12.22	0.2133	0.1174	5		0	
001.00	Loss on Drying, Vac 95°C 5 hr (%)	2122	12.11	0.1000	12.22	0.2133	0.1174	5		0	
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0504	12.33	0.0300	12.22	0.2133	0.1174	5		0	
001.00	Loss on Drying, Vac 95°C 5 hr (%)	2415	12.55	0.1200	12.22	0.2133	0.1174	5		0	
001.03	Loss on Drying, Low temp. methods (%)	2124	12.24	0.1600				3		0	
001.03	Loss on Drying, Low temp. methods (%)	2393	12.49	0.0800				3		0	
001.03	Loss on Drying, Low temp. methods (%)	0619	13.30	0.0000				3		0	
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0845	12.06	0.1100	12.62	0.2154	0.0995	47	-2.60	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	1020	12.11	0.0100	12.62	0.2154	0.0995	47	-2.37	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	1022	12.25	0.0000	12.62	0.2154	0.0995	47	-1.70	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	1021	12.31	0.0500	12.62	0.2154	0.0995	47	-1.44	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2124	12.32	0.0100	12.62	0.2154	0.0995	47	-1.39	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0027	12.34	0.0450	12.62	0.2154	0.0995	47	-1.29	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0034	12.36	0.0800	12.62	0.2154	0.0995	47	-1.18	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2435	12.39	0.1000	12.62	0.2154	0.0995	47	-1.05	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2219	12.40	0.0700	12.62	0.2154	0.0995	47	-1.02	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0171	12.43	0.0300	12.62	0.2154	0.0995	47	-0.88	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2420	12.45	0.1200	12.62	0.2154	0.0995	47	-0.77	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0142	12.46	0.1000	12.62	0.2154	0.0995	47	-0.72	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2426	12.48	0.1000	12.62	0.2154	0.0995	47	-0.63	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0028	12.49	0.0000	12.62	0.2154	0.0995	47	-0.58	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2381	12.49	0.0000	12.62	0.2154	0.0995	47	-0.58	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2362	12.50	0.4800	12.62	0.2154	0.0995	47	-0.53	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0139	12.55	0.0700	12.62	0.2154	0.0995	47	-0.33	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0226	12.59	0.0000	12.62	0.2154	0.0995	47	-0.12	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2437	12.60	0.1100	12.62	0.2154	0.0995	47	-0.09	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2429	12.60	0.1200	12.62	0.2154	0.0995	47	-0.07	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0003	12.62	0.4100	12.62	0.2154	0.0995	47	0.00	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2414	12.63	0.0200	12.62	0.2154	0.0995	47	0.07	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2424	12.64	0.2600	12.62	0.2154	0.0995	47	0.12	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0098	12.65	0.0300	12.62	0.2154	0.0995	47	0.14	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0650	12.66	0.1800	12.62	0.2154	0.0995	47	0.21	0%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2422	12.66	0.1400	12.62	0.2154	0.0995	47	0.21	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2444	12.66	0.1200	12.62	0.2154	0.0995	47	0.21	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2156	12.67	0.0500	12.62	0.2154	0.0995	47	0.23	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2436	12.68	0.3400	12.62	0.2154	0.0995	47	0.30	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2419	12.70	0.0100	12.62	0.2154	0.0995	47	0.37	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2438	12.70	0.2800	12.62	0.2154	0.0995	47	0.39	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2408	12.72	0.1700	12.62	0.2154	0.0995	47	0.46	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2421	12.74	0.2200	12.62	0.2154	0.0995	47	0.58	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2361	12.75	0.0900	12.62	0.2154	0.0995	47	0.60	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2439	12.75	0.0300	12.62	0.2154	0.0995	47	0.60	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2330	12.76	0.1700	12.62	0.2154	0.0995	47	0.65	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2220	12.77	0.1400	12.62	0.2154	0.0995	47	0.72	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2293	12.78	0.0300	12.62	0.2154	0.0995	47	0.74	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2382	12.79	0.1500	12.62	0.2154	0.0995	47	0.79	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	1023	12.81	0.0300	12.62	0.2154	0.0995	47	0.88	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0407	12.83	0.0424	12.62	0.2154	0.0995	47	1.00	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2416	12.84	0.0300	12.62	0.2154	0.0995	47	1.02	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2452	12.84	0.0600	12.62	0.2154	0.0995	47	1.04	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2380	12.91	0.0200	12.62	0.2154	0.0995	47	1.37	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2417	12.93	0.0800	12.62	0.2154	0.0995	47	1.46	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2385	12.97	0.0100	12.62	0.2154	0.0995	47	1.62	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0074	13.12	0.5000	12.62	0.2154	0.0995	47	2.34	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2395	9.205	0.2700	12.62	0.2154	0.0995	47	-15.83	14%	2
001.99	Loss on Drying, Miscellaneous (%)	0656	12.32	0.0000	12.40	0.1159	0.1000	4			0
001.99	Loss on Drying, Miscellaneous (%)	0510	12.35	0.1000	12.40	0.1159	0.1000	4			0
001.99	Loss on Drying, Miscellaneous (%)	0910	12.35	0.1000	12.40	0.1159	0.1000	4			0
001.99	Loss on Drying, Miscellaneous (%)	0918	12.57	0.0000	12.40	0.1159	0.1000	4			0
001.99	Loss on Drying, Miscellaneous (%)	2155	10.51	0.2800	12.40	0.1159	0.1000	4			2
002.00	Protein, Crude, Crude (%)	2415	7.210	0.0400				2			0
002.00	Protein, Crude, Crude (%)	0845	7.595	0.5700				2			0
002.01	Protein, Crude, Auto Kjell-Foss (%)	0164	7.250	0.0000	7.603	0.3858	0.1935	5			0
002.01	Protein, Crude, Auto Kjell-Foss (%)	0910	7.300	0.0000	7.603	0.3858	0.1935	5			0
002.01	Protein, Crude, Auto Kjell-Foss (%)	0870	7.483	0.2670	7.603	0.3858	0.1935	5			0
002.01	Protein, Crude, Auto Kjell-Foss (%)	0619	7.810	0.1200	7.603	0.3858	0.1935	5			0
002.01	Protein, Crude, Auto Kjell-Foss (%)	0656	8.170	0.0000	7.603	0.3858	0.1935	5			0
002.04	Protein, Crude, Copper Catalyst (%)	0504	7.375	0.1100				2			0
002.04	Protein, Crude, Copper Catalyst (%)	2122	7.625	0.1500				2			0
002.05	Protein, Crude, Copper, Boric Acid (%)	0407	7.460	0.1400				2			0
002.05	Protein, Crude, Copper, Boric Acid (%)	2393	7.540	0.1800				2			0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2089	6.410	0.0400	7.509	0.1582	0.0907	71	-6.95	7%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0529	6.780	0.1800	7.509	0.1582	0.0907	71	-4.61	5%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0510	7.050	0.1000	7.509	0.1582	0.0907	71	-2.90	3%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2381	7.175	0.0300	7.509	0.1582	0.0907	71	-2.11	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2124	7.200	0.1000	7.509	0.1582	0.0907	71	-1.96	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2385	7.220	0.0200	7.509	0.1582	0.0907	71	-1.83	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0164	7.250	0.0000	7.509	0.1582	0.0907	71	-1.64	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0026	7.257	0.0770	7.509	0.1582	0.0907	71	-1.60	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2420	7.289	0.1975	7.509	0.1582	0.0907	71	-1.39	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2424	7.309	0.3445	7.509	0.1582	0.0907	71	-1.26	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2414	7.325	0.0900	7.509	0.1582	0.0907	71	-1.17	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0042	7.350	0.1000	7.509	0.1582	0.0907	71	-1.01	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0918	7.360	0.0400	7.509	0.1582	0.0907	71	-0.94	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2382	7.380	0.0400	7.509	0.1582	0.0907	71	-0.82	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0010	7.386	0.2400	7.509	0.1582	0.0907	71	-0.78	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2444	7.390	0.1000	7.509	0.1582	0.0907	71	-0.76	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0870	7.394	0.1500	7.509	0.1582	0.0907	71	-0.73	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2184	7.405	0.1500	7.509	0.1582	0.0907	71	-0.66	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2380	7.410	0.1400	7.509	0.1582	0.0907	71	-0.63	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0208	7.420	0.3400	7.509	0.1582	0.0907	71	-0.57	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2417	7.425	0.0194	7.509	0.1582	0.0907	71	-0.53	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0047	7.450	0.3000	7.509	0.1582	0.0907	71	-0.38	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2437	7.465	0.0100	7.509	0.1582	0.0907	71	-0.28	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0511	7.470	0.0400	7.509	0.1582	0.0907	71	-0.25	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2408	7.470	0.0400	7.509	0.1582	0.0907	71	-0.25	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2452	7.475	0.0700	7.509	0.1582	0.0907	71	-0.22	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2156	7.485	0.0100	7.509	0.1582	0.0907	71	-0.15	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0650	7.490	0.3000	7.509	0.1582	0.0907	71	-0.12	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2422	7.497	0.1137	7.509	0.1582	0.0907	71	-0.08	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2421	7.500	0.0800	7.509	0.1582	0.0907	71	-0.06	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2426	7.505	0.1100	7.509	0.1582	0.0907	71	-0.03	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2419	7.515	0.0580	7.509	0.1582	0.0907	71	0.04	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2219	7.516	0.0462	7.509	0.1582	0.0907	71	0.04	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2362	7.518	0.1100	7.509	0.1582	0.0907	71	0.05	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	1021	7.518	0.0416	7.509	0.1582	0.0907	71	0.05	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0074	7.520	0.3000	7.509	0.1582	0.0907	71	0.07	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2438	7.525	0.0700	7.509	0.1582	0.0907	71	0.10	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2435	7.535	0.0100	7.509	0.1582	0.0907	71	0.16	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0226	7.540	0.0000	7.509	0.1582	0.0907	71	0.19	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0309	7.540	0.0336	7.509	0.1582	0.0907	71	0.20	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2220	7.541	0.0543	7.509	0.1582	0.0907	71	0.20	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0139	7.544	0.0139	7.509	0.1582	0.0907	71	0.22	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2439	7.550	0.0400	7.509	0.1582	0.0907	71	0.26	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2293	7.550	0.0085	7.509	0.1582	0.0907	71	0.26	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2361	7.556	0.0304	7.509	0.1582	0.0907	71	0.30	0%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0407	7.558	0.1290	7.509	0.1582	0.0907	71	0.30	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2429	7.560	0.0600	7.509	0.1582	0.0907	71	0.32	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2330	7.565	0.0500	7.509	0.1582	0.0907	71	0.35	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2436	7.565	0.0100	7.509	0.1582	0.0907	71	0.35	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2416	7.574	0.0990	7.509	0.1582	0.0907	71	0.41	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0508	7.578	0.0711	7.509	0.1582	0.0907	71	0.43	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2033	7.590	0.0800	7.509	0.1582	0.0907	71	0.51	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2302	7.590	0.1800	7.509	0.1582	0.0907	71	0.51	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0142	7.595	0.1300	7.509	0.1582	0.0907	71	0.54	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0504	7.605	0.0100	7.509	0.1582	0.0907	71	0.60	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0098	7.610	0.2400	7.509	0.1582	0.0907	71	0.64	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2016	7.625	0.0500	7.509	0.1582	0.0907	71	0.73	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2312	7.635	0.0900	7.509	0.1582	0.0907	71	0.79	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	1023	7.645	0.0647	7.509	0.1582	0.0907	71	0.86	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0554	7.660	0.0400	7.509	0.1582	0.0907	71	0.95	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0880	7.680	0.3600	7.509	0.1582	0.0907	71	1.08	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	1022	7.686	0.0647	7.509	0.1582	0.0907	71	1.12	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0003	7.700	0.2290	7.509	0.1582	0.0907	71	1.20	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0171	7.700	0.0000	7.509	0.1582	0.0907	71	1.20	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0001	7.718	0.0270	7.509	0.1582	0.0907	71	1.32	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	1020	7.725	0.0693	7.509	0.1582	0.0907	71	1.36	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0619	7.725	0.0100	7.509	0.1582	0.0907	71	1.36	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0034	7.820	0.0800	7.509	0.1582	0.0907	71	1.96	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0425	7.905	0.1900	7.509	0.1582	0.0907	71	2.50	3%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2023	7.905	0.1900	7.509	0.1582	0.0907	71	2.50	3%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0656	8.040	0.0000	7.509	0.1582	0.0907	71	3.35	4%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0242	6.980	0.7600	7.509	0.1582	0.0907	71	-3.35	4%	1
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2155	7.798	0.8000	7.509	0.1582	0.0907	71	1.82	2%	1
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2395	49.39	0.9000	7.509	0.1582	0.0907	71	>100	279%	2
002.08	Protein, Crude, Cu/Ti (%)	0098	7.500	0.0000				1			0
002.10	Protein, Crude, Block dig/distillation (%)	2023	7.380	0.0200				1			0
002.11	Protein, Crude, NIR (%)	0656	7.620	0.0000				1			0
002.99	Protein, Crude, Miscellaneous (%)	2373	7.895	0.0500				1			0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	1021	3.035	0.1900	3.219	0.1133	0.1308	16	-1.62	3%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	1023	3.065	0.5100	3.219	0.1133	0.1308	16	-1.36	2%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2416	3.100	0.4000	3.219	0.1133	0.1308	16	-1.05	2%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2417	3.120	0.3200	3.219	0.1133	0.1308	16	-0.87	2%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	1020	3.140	0.0400	3.219	0.1133	0.1308	16	-0.70	1%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	0142	3.180	0.0200	3.219	0.1133	0.1308	16	-0.34	1%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	0309	3.185	0.0592	3.219	0.1133	0.1308	16	-0.30	1%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	1022	3.240	0.0600	3.219	0.1133	0.1308	16	0.19	0%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2420	3.270	0.2600	3.219	0.1133	0.1308	16	0.45	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2452	3.275	0.0300	3.219	0.1133	0.1308	16	0.49	1%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2419	3.285	0.1500	3.219	0.1133	0.1308	16	0.58	1%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2421	3.285	0.0500	3.219	0.1133	0.1308	16	0.58	1%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2426	3.290	0.0400	3.219	0.1133	0.1308	16	0.63	1%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2373	3.330	0.0400	3.219	0.1133	0.1308	16	0.98	2%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2422	3.335	0.0100	3.219	0.1133	0.1308	16	1.02	2%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2424	3.355	0.1500	3.219	0.1133	0.1308	16	1.20	2%	0
003.01	Fat, Crude, Diethyl Ether Ext (13th ed.), Indirec	0504	3.380	0.5000				1			0
003.06	Fat, Crude, Pet Ether (%)	0656	2.790	0.0000	3.157	0.3161	0.1180	6	-1.16	6%	0
003.06	Fat, Crude, Pet Ether (%)	0918	3.000	0.2600	3.157	0.3161	0.1180	6	-0.50	2%	0
003.06	Fat, Crude, Pet Ether (%)	0164	3.135	0.0700	3.157	0.3161	0.1180	6	-0.07	0%	0
003.06	Fat, Crude, Pet Ether (%)	0910	3.165	0.0700	3.157	0.3161	0.1180	6	0.03	0%	0
003.06	Fat, Crude, Pet Ether (%)	2033	3.220	0.0800	3.157	0.3161	0.1180	6	0.20	1%	0
003.06	Fat, Crude, Pet Ether (%)	0425	4.135	0.1100	3.157	0.3161	0.1180	6	3.09	15%	0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0098	3.270	0.1000				2			0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0508	3.282	0.1671				2			0
003.10	Fat, Crude, Randall, Pet Ether (%)	0870	3.114	0.1763	3.196	0.0845	0.1056	6	-0.98	1%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2184	3.135	0.0100	3.196	0.0845	0.1056	6	-0.73	1%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2155	3.165	0.0570	3.196	0.0845	0.1056	6	-0.38	0%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0098	3.195	0.1500	3.196	0.0845	0.1056	6	-0.02	0%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0242	3.270	0.1000	3.196	0.0845	0.1056	6	0.87	1%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0619	3.300	0.1400	3.196	0.0845	0.1056	6	1.23	2%	0
003.12	Fat, Crude, Hexane Ext (%)	0171	3.210	0.0200				1			0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	2089	2.805	0.2100	3.124	0.2246	0.1293	4			0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	0028	3.140	0.0200	3.124	0.2246	0.1293	4			0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	0870	3.237	0.0171	3.124	0.2246	0.1293	4			0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	0098	3.315	0.2700	3.124	0.2246	0.1293	4			0
003.14	Fat, Crude, Ankom (%)	0619	2.845	0.0300	3.203	0.2900	0.0619	13	-1.23	6%	0
003.14	Fat, Crude, Ankom (%)	2302	2.920	0.0200	3.203	0.2900	0.0619	13	-0.98	4%	0
003.14	Fat, Crude, Ankom (%)	0003	2.930	0.1600	3.203	0.2900	0.0619	13	-0.94	4%	0
003.14	Fat, Crude, Ankom (%)	0511	2.980	0.0400	3.203	0.2900	0.0619	13	-0.77	3%	0
003.14	Fat, Crude, Ankom (%)	0074	3.070	0.0800	3.203	0.2900	0.0619	13	-0.46	2%	0
003.14	Fat, Crude, Ankom (%)	0034	3.155	0.2100	3.203	0.2900	0.0619	13	-0.16	1%	0
003.14	Fat, Crude, Ankom (%)	0171	3.240	0.1000	3.203	0.2900	0.0619	13	0.13	1%	0
003.14	Fat, Crude, Ankom (%)	0407	3.241	0.0090	3.203	0.2900	0.0619	13	0.13	1%	0
003.14	Fat, Crude, Ankom (%)	0226	3.275	0.0500	3.203	0.2900	0.0619	13	0.25	1%	0
003.14	Fat, Crude, Ankom (%)	0026	3.325	0.0300	3.203	0.2900	0.0619	13	0.42	2%	0
003.14	Fat, Crude, Ankom (%)	2023	3.380	0.0200	3.203	0.2900	0.0619	13	0.61	3%	0
003.14	Fat, Crude, Ankom (%)	0510	3.735	0.1100	3.203	0.2900	0.0619	13	1.83	8%	0
003.14	Fat, Crude, Ankom (%)	0042	4.985	0.0300	3.203	0.2900	0.0619	13	6.14	28%	0
003.14	Fat, Crude, Ankom (%)	0529	3.160	0.4200	3.203	0.2900	0.0619	13	-0.15	1%	1
003.14	Fat, Crude, Ankom (%)	0554	12.95	0.0100	3.203	0.2900	0.0619	13	33.59	152%	2

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
003.99	Fat, Crude, Miscellaneous (%)	0880	3.000	0.8000				2			0
003.99	Fat, Crude, Miscellaneous (%)	2393	3.475	0.1500				2			0
004.00	Fiber, Crude, Asbestos Free (%)	0208	1.240	0.1400	1.642	0.3199	0.1162	9	-1.26	12%	0
004.00	Fiber, Crude, Asbestos Free (%)	2312	1.400	0.2000	1.642	0.3199	0.1162	9	-0.76	7%	0
004.00	Fiber, Crude, Asbestos Free (%)	0309	1.448	0.0192	1.642	0.3199	0.1162	9	-0.60	6%	0
004.00	Fiber, Crude, Asbestos Free (%)	0504	1.505	0.0100	1.642	0.3199	0.1162	9	-0.43	4%	0
004.00	Fiber, Crude, Asbestos Free (%)	0164	1.550	0.1000	1.642	0.3199	0.1162	9	-0.29	3%	0
004.00	Fiber, Crude, Asbestos Free (%)	0425	1.800	0.2000	1.642	0.3199	0.1162	9	0.50	5%	0
004.00	Fiber, Crude, Asbestos Free (%)	0042	1.800	0.0000	1.642	0.3199	0.1162	9	0.50	5%	0
004.00	Fiber, Crude, Asbestos Free (%)	2023	1.910	0.0600	1.642	0.3199	0.1162	9	0.84	8%	0
004.00	Fiber, Crude, Asbestos Free (%)	0171	2.190	0.2000	1.642	0.3199	0.1162	9	1.71	17%	0
004.03	Fiber, Crude, Fritted Glass (%)	2089	1.200	0.1000				2			0
004.03	Fiber, Crude, Fritted Glass (%)	2033	1.650	0.1000				2			0
004.06	Fiber, Crude, Fibertec (%)	2393	0.5000	0.2400				3			0
004.06	Fiber, Crude, Fibertec (%)	0918	0.9800	0.0200				3			0
004.06	Fiber, Crude, Fibertec (%)	0845	2.320	0.0200				3			0
004.07	Fiber, Crude, ANKOM (%)	0554	0.2950	0.2100	1.515	0.4024	0.1573	19	-3.03	40%	0
004.07	Fiber, Crude, ANKOM (%)	0510	0.5500	0.3000	1.515	0.4024	0.1573	19	-2.40	32%	0
004.07	Fiber, Crude, ANKOM (%)	0656	0.5500	0.0000	1.515	0.4024	0.1573	19	-2.40	32%	0
004.07	Fiber, Crude, ANKOM (%)	0242	1.105	0.0100	1.515	0.4024	0.1573	19	-1.02	14%	0
004.07	Fiber, Crude, ANKOM (%)	2373	1.270	0.0200	1.515	0.4024	0.1573	19	-0.61	8%	0
004.07	Fiber, Crude, ANKOM (%)	0026	1.300	0.0000	1.515	0.4024	0.1573	19	-0.54	7%	0
004.07	Fiber, Crude, ANKOM (%)	0407	1.452	0.2008	1.515	0.4024	0.1573	19	-0.16	2%	0
004.07	Fiber, Crude, ANKOM (%)	0910	1.500	0.0000	1.515	0.4024	0.1573	19	-0.04	1%	0
004.07	Fiber, Crude, ANKOM (%)	0034	1.505	0.3300	1.515	0.4024	0.1573	19	-0.03	0%	0
004.07	Fiber, Crude, ANKOM (%)	0619	1.635	0.1100	1.515	0.4024	0.1573	19	0.30	4%	0
004.07	Fiber, Crude, ANKOM (%)	2302	1.655	0.0500	1.515	0.4024	0.1573	19	0.35	5%	0
004.07	Fiber, Crude, ANKOM (%)	0870	1.737	0.0267	1.515	0.4024	0.1573	19	0.55	7%	0
004.07	Fiber, Crude, ANKOM (%)	0074	1.740	0.3000	1.515	0.4024	0.1573	19	0.56	7%	0
004.07	Fiber, Crude, ANKOM (%)	0226	1.755	0.0900	1.515	0.4024	0.1573	19	0.60	8%	0
004.07	Fiber, Crude, ANKOM (%)	2122	1.755	0.2900	1.515	0.4024	0.1573	19	0.60	8%	0
004.07	Fiber, Crude, ANKOM (%)	0003	1.840	0.0200	1.515	0.4024	0.1573	19	0.81	11%	0
004.07	Fiber, Crude, ANKOM (%)	2124	1.865	0.2100	1.515	0.4024	0.1573	19	0.87	12%	0
004.07	Fiber, Crude, ANKOM (%)	0511	1.950	0.3000	1.515	0.4024	0.1573	19	1.08	14%	0
004.07	Fiber, Crude, ANKOM (%)	0529	1.995	0.0500	1.515	0.4024	0.1573	19	1.19	16%	0
005.00	Ash, 2h @ 600°C (%)	2373	0.9000	0.0400	1.122	0.0645	0.0465	49	-3.44	10%	0
005.00	Ash, 2h @ 600°C (%)	0208	0.9325	0.0070	1.122	0.0645	0.0465	49	-2.93	8%	0
005.00	Ash, 2h @ 600°C (%)	0226	0.9500	0.0000	1.122	0.0645	0.0465	49	-2.66	8%	0
005.00	Ash, 2h @ 600°C (%)	0918	1.030	0.0200	1.122	0.0645	0.0465	49	-1.42	4%	0
005.00	Ash, 2h @ 600°C (%)	2124	1.035	0.0300	1.122	0.0645	0.0465	49	-1.34	4%	0
005.00	Ash, 2h @ 600°C (%)	2382	1.035	0.0500	1.122	0.0645	0.0465	49	-1.34	4%	0
005.00	Ash, 2h @ 600°C (%)	0142	1.040	0.0000	1.122	0.0645	0.0465	49	-1.27	4%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
005.00	Ash, 2h @ 600°C (%)	2361	1.060	0.0200	1.122	0.0645	0.0465	49	-0.96	3%	0
005.00	Ash, 2h @ 600°C (%)	2385	1.060	0.0200	1.122	0.0645	0.0465	49	-0.96	3%	0
005.00	Ash, 2h @ 600°C (%)	2219	1.065	0.0700	1.122	0.0645	0.0465	49	-0.88	3%	0
005.00	Ash, 2h @ 600°C (%)	2293	1.070	0.0600	1.122	0.0645	0.0465	49	-0.80	2%	0
005.00	Ash, 2h @ 600°C (%)	2380	1.075	0.0300	1.122	0.0645	0.0465	49	-0.72	2%	0
005.00	Ash, 2h @ 600°C (%)	2184	1.085	0.0100	1.122	0.0645	0.0465	49	-0.57	2%	0
005.00	Ash, 2h @ 600°C (%)	2408	1.085	0.1100	1.122	0.0645	0.0465	49	-0.57	2%	0
005.00	Ash, 2h @ 600°C (%)	2016	1.095	0.0300	1.122	0.0645	0.0465	49	-0.41	1%	0
005.00	Ash, 2h @ 600°C (%)	0098	1.100	0.0600	1.122	0.0645	0.0465	49	-0.34	1%	0
005.00	Ash, 2h @ 600°C (%)	0425	1.100	0.0000	1.122	0.0645	0.0465	49	-0.34	1%	0
005.00	Ash, 2h @ 600°C (%)	0171	1.105	0.0100	1.122	0.0645	0.0465	49	-0.26	1%	0
005.00	Ash, 2h @ 600°C (%)	2414	1.105	0.0100	1.122	0.0645	0.0465	49	-0.26	1%	0
005.00	Ash, 2h @ 600°C (%)	0042	1.110	0.1400	1.122	0.0645	0.0465	49	-0.18	1%	0
005.00	Ash, 2h @ 600°C (%)	0870	1.113	0.0004	1.122	0.0645	0.0465	49	-0.14	0%	0
005.00	Ash, 2h @ 600°C (%)	2362	1.115	0.0700	1.122	0.0645	0.0465	49	-0.10	0%	0
005.00	Ash, 2h @ 600°C (%)	2330	1.120	0.0600	1.122	0.0645	0.0465	49	-0.03	0%	0
005.00	Ash, 2h @ 600°C (%)	0026	1.125	0.0900	1.122	0.0645	0.0465	49	0.05	0%	0
005.00	Ash, 2h @ 600°C (%)	2220	1.125	0.0500	1.122	0.0645	0.0465	49	0.05	0%	0
005.00	Ash, 2h @ 600°C (%)	2312	1.125	0.0700	1.122	0.0645	0.0465	49	0.05	0%	0
005.00	Ash, 2h @ 600°C (%)	0650	1.130	0.0200	1.122	0.0645	0.0465	49	0.13	0%	0
005.00	Ash, 2h @ 600°C (%)	0656	1.130	0.0000	1.122	0.0645	0.0465	49	0.13	0%	0
005.00	Ash, 2h @ 600°C (%)	0504	1.135	0.0100	1.122	0.0645	0.0465	49	0.21	1%	0
005.00	Ash, 2h @ 600°C (%)	1020	1.135	0.0100	1.122	0.0645	0.0465	49	0.21	1%	0
005.00	Ash, 2h @ 600°C (%)	2302	1.140	0.0000	1.122	0.0645	0.0465	49	0.28	1%	0
005.00	Ash, 2h @ 600°C (%)	0242	1.140	0.0800	1.122	0.0645	0.0465	49	0.28	1%	0
005.00	Ash, 2h @ 600°C (%)	0407	1.143	0.0064	1.122	0.0645	0.0465	49	0.32	1%	0
005.00	Ash, 2h @ 600°C (%)	0510	1.145	0.0100	1.122	0.0645	0.0465	49	0.36	1%	0
005.00	Ash, 2h @ 600°C (%)	2444	1.145	0.0100	1.122	0.0645	0.0465	49	0.36	1%	0
005.00	Ash, 2h @ 600°C (%)	0529	1.150	0.0000	1.122	0.0645	0.0465	49	0.44	1%	0
005.00	Ash, 2h @ 600°C (%)	1023	1.160	0.0200	1.122	0.0645	0.0465	49	0.59	2%	0
005.00	Ash, 2h @ 600°C (%)	0001	1.162	0.0340	1.122	0.0645	0.0465	49	0.63	2%	0
005.00	Ash, 2h @ 600°C (%)	0164	1.170	0.0400	1.122	0.0645	0.0465	49	0.75	2%	0
005.00	Ash, 2h @ 600°C (%)	2381	1.175	0.0300	1.122	0.0645	0.0465	49	0.83	2%	0
005.00	Ash, 2h @ 600°C (%)	0309	1.185	0.1700	1.122	0.0645	0.0465	49	0.98	3%	0
005.00	Ash, 2h @ 600°C (%)	0554	1.190	0.2800	1.122	0.0645	0.0465	49	1.06	3%	0
005.00	Ash, 2h @ 600°C (%)	0047	1.200	0.0000	1.122	0.0645	0.0465	49	1.21	3%	0
005.00	Ash, 2h @ 600°C (%)	2033	1.200	0.0000	1.122	0.0645	0.0465	49	1.21	3%	0
005.00	Ash, 2h @ 600°C (%)	0880	1.200	0.2000	1.122	0.0645	0.0465	49	1.21	3%	0
005.00	Ash, 2h @ 600°C (%)	2393	1.220	0.1400	1.122	0.0645	0.0465	49	1.52	4%	0
005.00	Ash, 2h @ 600°C (%)	2122	1.245	0.0100	1.122	0.0645	0.0465	49	1.91	5%	0
005.00	Ash, 2h @ 600°C (%)	2156	1.245	0.1900	1.122	0.0645	0.0465	49	1.91	5%	0
005.00	Ash, 2h @ 600°C (%)	2089	1.280	0.0600	1.122	0.0645	0.0465	49	2.45	7%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
005.00	Ash, 2h @ 600°C (%)	2395	6.320	0.7800	1.122	0.0645	0.0465	49	80.58	232%	2
005.03	Ash, Microwave furnace (%)	2429	1.095	0.0100	1.138	0.0413	0.0750	7	-1.04	2%	0
005.03	Ash, Microwave furnace (%)	2436	1.115	0.1900	1.138	0.0413	0.0750	7	-0.55	1%	0
005.03	Ash, Microwave furnace (%)	2435	1.115	0.0100	1.138	0.0413	0.0750	7	-0.55	1%	0
005.03	Ash, Microwave furnace (%)	2437	1.125	0.0100	1.138	0.0413	0.0750	7	-0.31	1%	0
005.03	Ash, Microwave furnace (%)	2438	1.145	0.0300	1.138	0.0413	0.0750	7	0.17	0%	0
005.03	Ash, Microwave furnace (%)	2439	1.170	0.0000	1.138	0.0413	0.0750	7	0.78	1%	0
005.03	Ash, Microwave furnace (%)	0511	1.300	0.2000	1.138	0.0413	0.0750	7	3.92	7%	0
005.05	Ash, 3h @ 550°C (%)	0619	1.125	0.0100	1.150	0.0196	0.0239	16	-1.29	1%	0
005.05	Ash, 3h @ 550°C (%)	2417	1.125	0.0100	1.150	0.0196	0.0239	16	-1.29	1%	0
005.05	Ash, 3h @ 550°C (%)	2415	1.130	0.0000	1.150	0.0196	0.0239	16	-1.03	1%	0
005.05	Ash, 3h @ 550°C (%)	2426	1.135	0.0300	1.150	0.0196	0.0239	16	-0.78	1%	0
005.05	Ash, 3h @ 550°C (%)	2422	1.140	0.0800	1.150	0.0196	0.0239	16	-0.52	0%	0
005.05	Ash, 3h @ 550°C (%)	0139	1.145	0.0100	1.150	0.0196	0.0239	16	-0.27	0%	0
005.05	Ash, 3h @ 550°C (%)	1021	1.145	0.0100	1.150	0.0196	0.0239	16	-0.27	0%	0
005.05	Ash, 3h @ 550°C (%)	1022	1.145	0.0100	1.150	0.0196	0.0239	16	-0.27	0%	0
005.05	Ash, 3h @ 550°C (%)	2421	1.150	0.0400	1.150	0.0196	0.0239	16	-0.01	0%	0
005.05	Ash, 3h @ 550°C (%)	0845	1.155	0.0100	1.150	0.0196	0.0239	16	0.24	0%	0
005.05	Ash, 3h @ 550°C (%)	2416	1.160	0.0200	1.150	0.0196	0.0239	16	0.50	0%	0
005.05	Ash, 3h @ 550°C (%)	2424	1.160	0.0400	1.150	0.0196	0.0239	16	0.50	0%	0
005.05	Ash, 3h @ 550°C (%)	0003	1.165	0.0500	1.150	0.0196	0.0239	16	0.75	1%	0
005.05	Ash, 3h @ 550°C (%)	2452	1.165	0.0300	1.150	0.0196	0.0239	16	0.75	1%	0
005.05	Ash, 3h @ 550°C (%)	2420	1.180	0.0200	1.150	0.0196	0.0239	16	1.52	1%	0
005.05	Ash, 3h @ 550°C (%)	2419	1.200	0.0200	1.150	0.0196	0.0239	16	2.54	2%	0
005.05	Ash, 3h @ 550°C (%)	0034	6.193	0.1600	1.150	0.0196	0.0239	16	>100	219%	2
005.99	Ash, Miscellaneous (%)	2023	1.105	0.0300				1			0
006.00	Total Sugars, As sucrose (%)	0407	1.780	0.2000				1			0
006.99	Total Sugars, Miscellaneous (%)	2312	2.182	0.1180				1			0
008.02	Fiber, Acid Detergent, Crucible (%)	2089	1.860	0.0800				3			0
008.02	Fiber, Acid Detergent, Crucible (%)	0309	2.106	0.0733				3			0
008.02	Fiber, Acid Detergent, Crucible (%)	0226	3.145	0.0100				3			0
008.02	Fiber, Acid Detergent, Crucible (%)	0504	3.390	0.8000				3			1
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	2302	1.875	0.0300	2.289	0.2934	0.1198	9	-1.41	9%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0619	2.085	0.0300	2.289	0.2934	0.1198	9	-0.70	4%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0001	2.105	0.1850	2.289	0.2934	0.1198	9	-0.63	4%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0511	2.200	0.4000	2.289	0.2934	0.1198	9	-0.30	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0918	2.250	0.1800	2.289	0.2934	0.1198	9	-0.13	1%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0026	2.370	0.0000	2.289	0.2934	0.1198	9	0.27	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0042	2.445	0.0900	2.289	0.2934	0.1198	9	0.53	3%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0870	2.587	0.0152	2.289	0.2934	0.1198	9	1.01	6%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0407	2.688	0.1476	2.289	0.2934	0.1198	9	1.36	9%	0
008.99	Fiber, Acid Detergent, Miscellaneous (%)	0910	2.290	0.1800				1			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat	2089	7.310	0.0600				3			0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat	0309	7.409	0.3285				3			0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat	0226	12.68	0.5300				3			0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	2302	6.435	0.2100	7.107	0.4793	0.2280	6	-1.40	5%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0504	6.895	0.2500	7.107	0.4793	0.2280	6	-0.44	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0619	6.990	0.0600	7.107	0.4793	0.2280	6	-0.24	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0407	7.301	0.1310	7.107	0.4793	0.2280	6	0.40	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0870	7.411	0.2567	7.107	0.4793	0.2280	6	0.63	2%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (	0918	7.610	1.200	7.107	0.4793	0.2280	6	1.05	4%	0
009.99	Fiber, Neutral Detergent, Miscellaneous (%)	0910	6.950	0.1000				1			0
010.99	Moisture, Miscellaneous (%)	2089	12.77	0.1200				1			0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0554	3.125	0.1500	13.00	0.5589	0.1065	19	-17.68	38%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0026	11.59	0.1400	13.00	0.5589	0.1065	19	-2.53	5%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2016	12.02	1.040	13.00	0.5589	0.1065	19	-1.76	4%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2312	12.47	0.0000	13.00	0.5589	0.1065	19	-0.95	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0511	12.61	0.6300	13.00	0.5589	0.1065	19	-0.71	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0309	12.68	0.1200	13.00	0.5589	0.1065	19	-0.58	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0226	12.87	0.0400	13.00	0.5589	0.1065	19	-0.24	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0098	12.99	0.0300	13.00	0.5589	0.1065	19	-0.03	0%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0425	13.12	0.0300	13.00	0.5589	0.1065	19	0.20	0%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0208	13.15	0.1000	13.00	0.5589	0.1065	19	0.26	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0171	13.19	0.0400	13.00	0.5589	0.1065	19	0.33	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0047	13.25	0.1000	13.00	0.5589	0.1065	19	0.44	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0242	13.32	0.1800	13.00	0.5589	0.1065	19	0.57	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0164	13.39	0.2200	13.00	0.5589	0.1065	19	0.69	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2184	13.40	0.0100	13.00	0.5589	0.1065	19	0.70	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2302	13.41	0.0600	13.00	0.5589	0.1065	19	0.73	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0870	13.53	0.0692	13.00	0.5589	0.1065	19	0.94	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0510	13.55	0.1000	13.00	0.5589	0.1065	19	0.98	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0407	13.66	0.0744	13.00	0.5589	0.1065	19	1.17	3%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0880	9.910	1.140	13.00	0.5589	0.1065	19	-5.53	12%	1
011.02	Loss on Drying, HT, 130°C for 2 hours (%)	2033	13.02	0.0100				3			0
011.02	Loss on Drying, HT, 130°C for 2 hours (%)	0529	13.25	0.1100				3			0
011.02	Loss on Drying, HT, 130°C for 2 hours (%)	2023	13.44	0.0200				3			0
012.00	Starch, Polarimetric (Ewers) (%)	0619	67.30	0.4000				2			0
012.00	Starch, Polarimetric (Ewers) (%)	2023	68.00	0.2000				2			0
012.01	Starch, Enzymatic-Colorimetric Method (Megaz	0870	63.06	0.6615				3			0
012.01	Starch, Enzymatic-Colorimetric Method (Megaz	0407	64.14	0.7523				3			0
012.01	Starch, Enzymatic-Colorimetric Method (Megaz	0918	68.83	0.9170				3			0
012.03	Starch, Enzymatic-Colorimetric Method, Miscell	0407	61.63	0.5780				2			0
012.03	Starch, Enzymatic-Colorimetric Method, Miscell	0656	62.67	0.0000				2			0
012.04	Starch, Enzymatic-Enzyme Membrane Technol	0510	60.30	0.4000				2			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
012.04	Starch, Enzymatic-Enzyme Membrane Technol	0226	63.90	0.6400				2			0
012.99	Starch, Miscellaneous (%)	0918	66.99	0.4930				1			0
013.00	Fat, Pretreat, Acid hydrolysis (%)	2016	3.185	0.0700	3.763	0.1375	0.1284	11	-4.21	8%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	0309	3.584	0.4613	3.763	0.1375	0.1284	11	-1.30	2%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	0910	3.700	0.0800	3.763	0.1375	0.1284	11	-0.46	1%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	0650	3.710	0.1400	3.763	0.1375	0.1284	11	-0.39	1%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	2393	3.760	0.2000	3.763	0.1375	0.1284	11	-0.02	0%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	0242	3.770	0.0800	3.763	0.1375	0.1284	11	0.05	0%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	2436	3.785	0.2700	3.763	0.1375	0.1284	11	0.16	0%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	2437	3.850	0.0000	3.763	0.1375	0.1284	11	0.63	1%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	2438	3.850	0.0400	3.763	0.1375	0.1284	11	0.63	1%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	2435	3.870	0.0800	3.763	0.1375	0.1284	11	0.78	1%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	2429	3.960	0.0400	3.763	0.1375	0.1284	11	1.43	3%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	2439	3.745	0.7900	3.763	0.1375	0.1284	11	-0.13	0%	1
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	2122	2.940	0.2200	3.762	0.4390	0.1501	11	-1.87	11%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	0139	3.200	0.0200	3.762	0.4390	0.1501	11	-1.28	7%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	2312	3.530	0.0000	3.762	0.4390	0.1501	11	-0.53	3%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	0098	3.645	0.1100	3.762	0.4390	0.1501	11	-0.27	2%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	0208	3.665	0.2700	3.762	0.4390	0.1501	11	-0.22	1%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	0001	3.746	0.2390	3.762	0.4390	0.1501	11	-0.04	0%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	0870	3.854	0.1493	3.762	0.4390	0.1501	11	0.21	1%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	2023	4.035	0.0300	3.762	0.4390	0.1501	11	0.62	4%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	0171	4.120	0.0400	3.762	0.4390	0.1501	11	0.82	5%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	2414	4.215	0.2700	3.762	0.4390	0.1501	11	1.03	6%	0
013.02	Fat, Pretreat, Mojonnier, Bak Ext, Acid hydrolys	0407	4.268	0.1530	3.762	0.4390	0.1501	11	1.15	7%	0
013.10	Fat, Pretreat, Soxtec-Acid Hydrolysis (%)	2124	3.505	0.0100				2			0
013.10	Fat, Pretreat, Soxtec-Acid Hydrolysis (%)	0845	3.895	0.1700				2			0
013.13	Fat, Pretreat, Ankom- Acid Hydrolysis (%)	0407	4.248	0.1205				1			0
015.41	Aluminum, ICP, Dry ash (ppm)	0407	2.240	1.124				1			0
015.43	Aluminum, ICP, Microwave (ppm)	0407	0.7368	0.2026				1			0
015.53	Aluminum, ICP-MS, Microwave (ppm)	0407	0.6667	0.2315				1			0
017.41	Boron, ICP, Dry ash (ppm)	0407	0.7207	0.1377				1			0
017.43	Boron, ICP, Microwave (ppm)	0407	1.545	0.0032				3			0
017.43	Boron, ICP, Microwave (ppm)	0918	1.550	0.0600				3			0
017.43	Boron, ICP, Microwave (ppm)	0510	2.000	0.0000				3			0
017.53	Boron, ICP-MS, Microwave (ppm)	0407	1.346	0.1531				1			0
019.00	Calcium, Ox-Mn04 Vol. (%)	2302	0.0300	0.0000				1			0
019.31	Calcium, AAS, Dry ash (%)	0656	0.0100	0.0000				1			0
019.41	Calcium, ICP, Dry ash (%)	0098	0.0043	0.0001	0.0100	0.0000	0.0004	9	0.00	29%	0
019.41	Calcium, ICP, Dry ash (%)	0164	0.0045	0.0010	0.0100	0.0000	0.0004	9	0.00	28%	0
019.41	Calcium, ICP, Dry ash (%)	0407	0.0068	0.0001	0.0100	0.0000	0.0004	9	0.00	16%	0
019.41	Calcium, ICP, Dry ash (%)	0226	0.0100	0.0000	0.0100	0.0000	0.0004	9	0.00	0%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
019.41	Calcium, ICP, Dry ash (%)	0619	0.0100	0.0000	0.0100	0.0000	0.0004	9	0.00	0%	0
019.41	Calcium, ICP, Dry ash (%)	1020	0.0100	0.0000	0.0100	0.0000	0.0004	9	0.00	0%	0
019.41	Calcium, ICP, Dry ash (%)	1022	0.0100	0.0000	0.0100	0.0000	0.0004	9	0.00	0%	0
019.41	Calcium, ICP, Dry ash (%)	1023	0.0100	0.0000	0.0100	0.0000	0.0004	9	0.00	0%	0
019.41	Calcium, ICP, Dry ash (%)	1021	0.0200	0.0000	0.0100	0.0000	0.0004	9	0.00	50%	0
019.41	Calcium, ICP, Dry ash (%)	0139	0.0050	0.0100	0.0100	0.0000	0.0004	9			4
019.41	Calcium, ICP, Dry ash (%)	0910	< 0.02		0.0100	0.0000	0.0004	9			5
019.42	Calcium, ICP, Open vessel (%)	0026	0.0025	0.0010				2			0
019.42	Calcium, ICP, Open vessel (%)	0870	0.0039	0.0000				2			0
019.43	Calcium, ICP, Microwave (%)	2429	0.0036	0.0005	0.0059	0.0031	0.0003	17	-0.76	20%	0
019.43	Calcium, ICP, Microwave (%)	2023	0.0036	0.0002	0.0059	0.0031	0.0003	17	-0.75	20%	0
019.43	Calcium, ICP, Microwave (%)	0870	0.0040	0.0000	0.0059	0.0031	0.0003	17	-0.62	16%	0
019.43	Calcium, ICP, Microwave (%)	2124	0.0040	0.0000	0.0059	0.0031	0.0003	17	-0.62	16%	0
019.43	Calcium, ICP, Microwave (%)	2439	0.0040	0.0006	0.0059	0.0031	0.0003	17	-0.62	16%	0
019.43	Calcium, ICP, Microwave (%)	0098	0.0041	0.0004	0.0059	0.0031	0.0003	17	-0.59	15%	0
019.43	Calcium, ICP, Microwave (%)	2033	0.0041	0.0002	0.0059	0.0031	0.0003	17	-0.59	15%	0
019.43	Calcium, ICP, Microwave (%)	2438	0.0041	0.0002	0.0059	0.0031	0.0003	17	-0.59	15%	0
019.43	Calcium, ICP, Microwave (%)	2435	0.0042	0.0002	0.0059	0.0031	0.0003	17	-0.56	15%	0
019.43	Calcium, ICP, Microwave (%)	2436	0.0045	0.0004	0.0059	0.0031	0.0003	17	-0.46	12%	0
019.43	Calcium, ICP, Microwave (%)	2437	0.0050	0.0000	0.0059	0.0031	0.0003	17	-0.30	8%	0
019.43	Calcium, ICP, Microwave (%)	0407	0.0057	0.0004	0.0059	0.0031	0.0003	17	-0.07	2%	0
019.43	Calcium, ICP, Microwave (%)	0042	0.0100	0.0000	0.0059	0.0031	0.0003	17	1.30	34%	0
019.43	Calcium, ICP, Microwave (%)	0226	0.0100	0.0000	0.0059	0.0031	0.0003	17	1.30	34%	0
019.43	Calcium, ICP, Microwave (%)	0510	0.0100	0.0000	0.0059	0.0031	0.0003	17	1.30	34%	0
019.43	Calcium, ICP, Microwave (%)	0511	0.0100	0.0000	0.0059	0.0031	0.0003	17	1.30	34%	0
019.43	Calcium, ICP, Microwave (%)	2089	0.0100	0.0000	0.0059	0.0031	0.0003	17	1.30	34%	0
019.43	Calcium, ICP, Microwave (%)	0918	0.0030	0.0020	0.0059	0.0031	0.0003	17	-0.94	25%	1
019.44	Calcium, ICP, Dry ash (%)	2382	0.0100	0.0000				3			0
019.44	Calcium, ICP, Dry ash (%)	2415	0.0200	0.0000				3			0
019.44	Calcium, ICP, Dry ash (%)	2408	0.0215	0.0370				3			0
019.44	Calcium, ICP, Dry ash (%)	2219	0.0000	0.0000				3			4
019.44	Calcium, ICP, Dry ash (%)	2220	0.0000	0.0000				3			4
019.44	Calcium, ICP, Dry ash (%)	2293	0.0000	0.0000				3			4
019.44	Calcium, ICP, Dry ash (%)	2330	0.0000	0.0000				3			4
019.44	Calcium, ICP, Dry ash (%)	2361	0.0000	0.0000				3			4
019.44	Calcium, ICP, Dry ash (%)	2362	0.0000	0.0000				3			4
019.44	Calcium, ICP, Dry ash (%)	2380	0.0000	0.0000				3			4
019.44	Calcium, ICP, Dry ash (%)	2381	0.0000	0.0000				3			4
019.44	Calcium, ICP, Dry ash (%)	2385	0.0000	0.0000				3			4
019.44	Calcium, ICP, Dry ash (%)	2414	0.0000	0.0000				3			4
019.44	Calcium, ICP, Dry ash (%)	2416	0.0000	0.0000				3			4
019.44	Calcium, ICP, Dry ash (%)	2417	0.0000	0.0000				3			4

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
019.44	Calcium, ICP, Dry ash (%)	2419	0.0000	0.0000				3			4
019.44	Calcium, ICP, Dry ash (%)	2420	0.0000	0.0000				3			4
019.44	Calcium, ICP, Dry ash (%)	2421	0.0000	0.0000				3			4
019.44	Calcium, ICP, Dry ash (%)	2422	0.0000	0.0000				3			4
019.44	Calcium, ICP, Dry ash (%)	2424	0.0000	0.0000				3			4
019.44	Calcium, ICP, Dry ash (%)	2426	0.0000	0.0000				3			4
019.44	Calcium, ICP, Dry ash (%)	2444	0.0000	0.0000				3			4
019.44	Calcium, ICP, Dry ash (%)	2452	0.0000	0.0000				3			4
019.44	Calcium, ICP, Dry ash (%)	2156	0.0040	0.0080				3			4
019.53	Calcium, ICP-MS, Microwave (%)	2428	0.0040	0.0016				2			0
019.53	Calcium, ICP-MS, Microwave (%)	0407	0.0044	0.0005				2			0
019.53	Calcium, ICP-MS, Microwave (%)	2250	< 0.005					2			5
019.99	Calcium, Miscellaneous (%)	0242	< 0.01					0			5
021.31	Cobalt, AAS, Dry ash (ppm)	0164	< 0.5					0			5
021.41	Cobalt, ICP, Dry ash (ppm)	0407	0.1163	0.0118				1			0
021.43	Cobalt, ICP, Microwave (ppm)	0510	0.2250	0.0300				2			0
021.43	Cobalt, ICP, Microwave (ppm)	0407	0.2379	0.0337				2			0
021.53	Cobalt, ICP-MS, Microwave (ppm)	0407	0.0156	0.0003				1			0
021.53	Cobalt, ICP-MS, Microwave (ppm)	2428	< 0.5					1			5
022.31	Copper, AAS, Dry ash (ppm)	0656	< 0.1514					0			5
022.31	Copper, AAS, Dry ash (ppm)	0529	< 9.6					0			5
022.33	Copper, AAS, Microwave (ppm)	0010	1.750	0.1000				1			0
022.41	Copper, ICP, Dry ash (ppm)	0171	0.3900	0.1200	1.821	0.5037	0.0505	6	-2.84	39%	0
022.41	Copper, ICP, Dry ash (ppm)	2415	1.628	0.0150	1.821	0.5037	0.0505	6	-0.38	5%	0
022.41	Copper, ICP, Dry ash (ppm)	0407	1.799	0.0076	1.821	0.5037	0.0505	6	-0.04	1%	0
022.41	Copper, ICP, Dry ash (ppm)	0619	2.035	0.0100	1.821	0.5037	0.0505	6	0.42	6%	0
022.41	Copper, ICP, Dry ash (ppm)	0226	2.050	0.0000	1.821	0.5037	0.0505	6	0.45	6%	0
022.41	Copper, ICP, Dry ash (ppm)	0164	2.350	0.1000	1.821	0.5037	0.0505	6	1.05	15%	0
022.42	Copper, ICP, Open vessel (ppm)	0026	1.472	0.1190				2			0
022.42	Copper, ICP, Open vessel (ppm)	0870	1.540	0.0170				2			0
022.43	Copper, ICP, Microwave (ppm)	0511	1.000	0.0000	1.580	0.4255	0.2176	14	-1.36	18%	0
022.43	Copper, ICP, Microwave (ppm)	2124	1.110	0.2400	1.580	0.4255	0.2176	14	-1.11	15%	0
022.43	Copper, ICP, Microwave (ppm)	0226	1.265	0.0500	1.580	0.4255	0.2176	14	-0.74	10%	0
022.43	Copper, ICP, Microwave (ppm)	2429	1.300	0.0000	1.580	0.4255	0.2176	14	-0.66	9%	0
022.43	Copper, ICP, Microwave (ppm)	2428	1.400	0.2000	1.580	0.4255	0.2176	14	-0.42	6%	0
022.43	Copper, ICP, Microwave (ppm)	2438	1.425	0.0500	1.580	0.4255	0.2176	14	-0.37	5%	0
022.43	Copper, ICP, Microwave (ppm)	2436	1.500	0.2000	1.580	0.4255	0.2176	14	-0.19	3%	0
022.43	Copper, ICP, Microwave (ppm)	0870	1.613	0.0460	1.580	0.4255	0.2176	14	0.08	1%	0
022.43	Copper, ICP, Microwave (ppm)	0918	1.655	0.1100	1.580	0.4255	0.2176	14	0.18	2%	0
022.43	Copper, ICP, Microwave (ppm)	2033	1.700	0.0000	1.580	0.4255	0.2176	14	0.28	4%	0
022.43	Copper, ICP, Microwave (ppm)	0407	1.720	0.2469	1.580	0.4255	0.2176	14	0.33	4%	0
022.43	Copper, ICP, Microwave (ppm)	0510	2.000	0.0000	1.580	0.4255	0.2176	14	0.99	13%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
022.43	Copper, ICP, Microwave (ppm)	0042	3.245	1.370	1.580	0.4255	0.2176	14	3.91	53%	0
022.43	Copper, ICP, Microwave (ppm)	2089	4.480	1.160	1.580	0.4255	0.2176	14	6.81	92%	0
022.44	Copper, ICP, Dry ash (ppm)	2408	0.0388	0.0445	1.772	0.2490	0.0982	10	-6.96	49%	0
022.44	Copper, ICP, Dry ash (ppm)	2382	1.617	0.0940	1.772	0.2490	0.0982	10	-0.62	4%	0
022.44	Copper, ICP, Dry ash (ppm)	2444	1.619	0.0780	1.772	0.2490	0.0982	10	-0.61	4%	0
022.44	Copper, ICP, Dry ash (ppm)	2414	1.630	0.1070	1.772	0.2490	0.0982	10	-0.57	4%	0
022.44	Copper, ICP, Dry ash (ppm)	2380	1.668	0.0300	1.772	0.2490	0.0982	10	-0.42	3%	0
022.44	Copper, ICP, Dry ash (ppm)	2381	1.795	0.1370	1.772	0.2490	0.0982	10	0.09	1%	0
022.44	Copper, ICP, Dry ash (ppm)	2219	1.945	0.2160	1.772	0.2490	0.0982	10	0.70	5%	0
022.44	Copper, ICP, Dry ash (ppm)	2220	1.953	0.0300	1.772	0.2490	0.0982	10	0.73	5%	0
022.44	Copper, ICP, Dry ash (ppm)	2330	2.025	0.2830	1.772	0.2490	0.0982	10	1.01	7%	0
022.44	Copper, ICP, Dry ash (ppm)	2156	2.070	0.0200	1.772	0.2490	0.0982	10	1.20	8%	0
022.52	Copper, ICP-MS, Open vessel (ppm)	0047	3.139	0.1910				1			0
022.53	Copper, ICP-MS, Microwave (ppm)	2023	0.0100	0.0000				2			0
022.53	Copper, ICP-MS, Microwave (ppm)	0407	1.705	0.5534				2			0
022.99	Copper, Miscellaneous (ppm)	0242	< 1					0			5
025.31	Iron, AAS, Dry ash (ppm)	0529	19.30	0.2000				1			0
025.31	Iron, AAS, Dry ash (ppm)	0656	< 0.162					1			5
025.41	Iron, ICP, Dry ash (ppm)	0164	18.00	0.0000	19.82	1.630	0.8113	5			0
025.41	Iron, ICP, Dry ash (ppm)	0171	18.40	0.4000	19.82	1.630	0.8113	5			0
025.41	Iron, ICP, Dry ash (ppm)	0407	19.90	1.525	19.82	1.630	0.8113	5			0
025.41	Iron, ICP, Dry ash (ppm)	0226	20.99	0.3200	19.82	1.630	0.8113	5			0
025.41	Iron, ICP, Dry ash (ppm)	0619	21.80	1.000	19.82	1.630	0.8113	5			0
025.42	Iron, ICP, Open vessel (ppm)	0870	15.87	0.8500				2			0
025.42	Iron, ICP, Open vessel (ppm)	0026	24.74	7.326				2			0
025.43	Iron, ICP, Microwave (ppm)	2023	0.1450	0.0100	15.94	2.342	1.145	10	-6.74	50%	0
025.43	Iron, ICP, Microwave (ppm)	2089	12.61	2.430	15.94	2.342	1.145	10	-1.42	10%	0
025.43	Iron, ICP, Microwave (ppm)	0226	15.46	0.2900	15.94	2.342	1.145	10	-0.21	2%	0
025.43	Iron, ICP, Microwave (ppm)	0870	16.24	0.4300	15.94	2.342	1.145	10	0.13	1%	0
025.43	Iron, ICP, Microwave (ppm)	2124	16.37	0.4500	15.94	2.342	1.145	10	0.18	1%	0
025.43	Iron, ICP, Microwave (ppm)	0510	16.50	1.000	15.94	2.342	1.145	10	0.24	2%	0
025.43	Iron, ICP, Microwave (ppm)	0511	16.50	3.000	15.94	2.342	1.145	10	0.24	2%	0
025.43	Iron, ICP, Microwave (ppm)	2033	16.50	1.000	15.94	2.342	1.145	10	0.24	2%	0
025.43	Iron, ICP, Microwave (ppm)	0918	17.61	2.610	15.94	2.342	1.145	10	0.71	5%	0
025.43	Iron, ICP, Microwave (ppm)	0407	19.21	0.2323	15.94	2.342	1.145	10	1.40	10%	0
025.43	Iron, ICP, Microwave (ppm)	0042	26.50	7.000	15.94	2.342	1.145	10	4.51	33%	1
025.52	Iron, ICP-MS, Open vessel (ppm)	0047	30.52	0.4300				1			0
025.53	Iron, ICP-MS, Microwave (ppm)	2428	12.35	5.300				2			0
025.53	Iron, ICP-MS, Microwave (ppm)	0407	16.07	1.154				2			0
025.99	Iron, Miscellaneous (ppm)	0242	14.00	0.0000				1			0
027.31	Magnesium, AAS, Dry ash (%)	0656	0.0700	0.0000				1			0
027.41	Magnesium, ICP, Dry ash (%)	1020	0.0705	0.0010	0.0749	0.0044	0.0027	10	-1.02	3%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
027.41	Magnesium, ICP, Dry ash (%)	1021	0.0705	0.0010	0.0749	0.0044	0.0027	10	-1.02	3%	0
027.41	Magnesium, ICP, Dry ash (%)	1022	0.0710	0.0000	0.0749	0.0044	0.0027	10	-0.90	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0139	0.0735	0.0050	0.0749	0.0044	0.0027	10	-0.33	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0098	0.0741	0.0000	0.0749	0.0044	0.0027	10	-0.19	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0407	0.0747	0.0022	0.0749	0.0044	0.0027	10	-0.05	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0164	0.0765	0.0010	0.0749	0.0044	0.0027	10	0.36	1%	0
027.41	Magnesium, ICP, Dry ash (%)	1023	0.0770	0.0000	0.0749	0.0044	0.0027	10	0.48	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0226	0.0800	0.0000	0.0749	0.0044	0.0027	10	1.17	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0619	0.0910	0.0060	0.0749	0.0044	0.0027	10	3.70	11%	0
027.42	Magnesium, ICP, Open vessel (%)	0026	0.0495	0.0010				3			0
027.42	Magnesium, ICP, Open vessel (%)	0870	0.0728	0.0002				3			0
027.42	Magnesium, ICP, Open vessel (%)	0504	0.0745	0.0070				3			0
027.43	Magnesium, ICP, Microwave (%)	2429	0.0653	0.0059	0.0743	0.0057	0.0041	17	-1.58	6%	0
027.43	Magnesium, ICP, Microwave (%)	2023	0.0657	0.0015	0.0743	0.0057	0.0041	17	-1.51	6%	0
027.43	Magnesium, ICP, Microwave (%)	0226	0.0700	0.0000	0.0743	0.0057	0.0041	17	-0.75	3%	0
027.43	Magnesium, ICP, Microwave (%)	0511	0.0700	0.0000	0.0743	0.0057	0.0041	17	-0.75	3%	0
027.43	Magnesium, ICP, Microwave (%)	0918	0.0705	0.0010	0.0743	0.0057	0.0041	17	-0.66	3%	0
027.43	Magnesium, ICP, Microwave (%)	0870	0.0710	0.0023	0.0743	0.0057	0.0041	17	-0.58	2%	0
027.43	Magnesium, ICP, Microwave (%)	2436	0.0725	0.0087	0.0743	0.0057	0.0041	17	-0.32	1%	0
027.43	Magnesium, ICP, Microwave (%)	2439	0.0741	0.0052	0.0743	0.0057	0.0041	17	-0.03	0%	0
027.43	Magnesium, ICP, Microwave (%)	0098	0.0743	0.0003	0.0743	0.0057	0.0041	17	0.00	0%	0
027.43	Magnesium, ICP, Microwave (%)	0510	0.0750	0.0100	0.0743	0.0057	0.0041	17	0.13	0%	0
027.43	Magnesium, ICP, Microwave (%)	2435	0.0753	0.0024	0.0743	0.0057	0.0041	17	0.18	1%	0
027.43	Magnesium, ICP, Microwave (%)	0407	0.0780	0.0017	0.0743	0.0057	0.0041	17	0.65	2%	0
027.43	Magnesium, ICP, Microwave (%)	2438	0.0781	0.0039	0.0743	0.0057	0.0041	17	0.66	3%	0
027.43	Magnesium, ICP, Microwave (%)	2089	0.0800	0.0000	0.0743	0.0057	0.0041	17	1.01	4%	0
027.43	Magnesium, ICP, Microwave (%)	2124	0.0800	0.0000	0.0743	0.0057	0.0041	17	1.01	4%	0
027.43	Magnesium, ICP, Microwave (%)	2437	0.0805	0.0091	0.0743	0.0057	0.0041	17	1.09	4%	0
027.43	Magnesium, ICP, Microwave (%)	2033	0.0820	0.0020	0.0743	0.0057	0.0041	17	1.36	5%	0
027.43	Magnesium, ICP, Microwave (%)	0042	0.2145	0.0050	0.0743	0.0057	0.0041	17	24.58	94%	2
027.44	Magnesium, ICP, Dry ash (%)	2385	0.0630	0.0000	0.0670	0.0015	0.0017	23	-2.74	3%	0
027.44	Magnesium, ICP, Dry ash (%)	2421	0.0640	0.0000	0.0670	0.0015	0.0017	23	-2.06	2%	0
027.44	Magnesium, ICP, Dry ash (%)	2381	0.0655	0.0010	0.0670	0.0015	0.0017	23	-1.04	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2444	0.0655	0.0010	0.0670	0.0015	0.0017	23	-1.04	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2156	0.0660	0.0020	0.0670	0.0015	0.0017	23	-0.70	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2382	0.0660	0.0000	0.0670	0.0015	0.0017	23	-0.70	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2414	0.0660	0.0000	0.0670	0.0015	0.0017	23	-0.70	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2452	0.0660	0.0020	0.0670	0.0015	0.0017	23	-0.70	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2416	0.0665	0.0010	0.0670	0.0015	0.0017	23	-0.36	0%	0
027.44	Magnesium, ICP, Dry ash (%)	2219	0.0670	0.0020	0.0670	0.0015	0.0017	23	-0.02	0%	0
027.44	Magnesium, ICP, Dry ash (%)	2415	0.0670	0.0000	0.0670	0.0015	0.0017	23	-0.02	0%	0
027.44	Magnesium, ICP, Dry ash (%)	2417	0.0670	0.0000	0.0670	0.0015	0.0017	23	-0.02	0%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
027.44	Magnesium, ICP, Dry ash (%)	2420	0.0670	0.0000	0.0670	0.0015	0.0017	23	-0.02	0%	0
027.44	Magnesium, ICP, Dry ash (%)	2426	0.0670	0.0020	0.0670	0.0015	0.0017	23	-0.02	0%	0
027.44	Magnesium, ICP, Dry ash (%)	2408	0.0680	0.0020	0.0670	0.0015	0.0017	23	0.66	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2419	0.0680	0.0000	0.0670	0.0015	0.0017	23	0.66	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2422	0.0680	0.0040	0.0670	0.0015	0.0017	23	0.66	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2424	0.0680	0.0020	0.0670	0.0015	0.0017	23	0.66	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2330	0.0685	0.0010	0.0670	0.0015	0.0017	23	1.00	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2362	0.0685	0.0010	0.0670	0.0015	0.0017	23	1.00	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2380	0.0685	0.0010	0.0670	0.0015	0.0017	23	1.00	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2293	0.0690	0.0000	0.0670	0.0015	0.0017	23	1.34	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2361	0.0690	0.0060	0.0670	0.0015	0.0017	23	1.34	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2220	5.599	0.7340	0.0670	0.0015	0.0017	23	>100	4127%	2
027.53	Magnesium, ICP-MS, Microwave (%)	0407	0.0699	0.0004				2			0
027.53	Magnesium, ICP-MS, Microwave (%)	2428	0.0745	0.0050				2			0
027.99	Magnesium, Miscellaneous (%)	0242	0.0700	0.0000				1			0
028.31	Manganese, AAS, Dry ash (ppm)	0529	6.450	1.100				1			0
028.31	Manganese, AAS, Dry ash (ppm)	0656	< 0.059					1			5
028.41	Manganese, ICP, Dry ash (ppm)	0139	5.063	0.6830	5.979	0.6719	0.1749	11	-1.36	8%	0
028.41	Manganese, ICP, Dry ash (ppm)	0164	5.150	0.1000	5.979	0.6719	0.1749	11	-1.23	7%	0
028.41	Manganese, ICP, Dry ash (ppm)	0171	5.595	0.1500	5.979	0.6719	0.1749	11	-0.57	3%	0
028.41	Manganese, ICP, Dry ash (ppm)	2361	5.630	0.9170	5.979	0.6719	0.1749	11	-0.52	3%	0
028.41	Manganese, ICP, Dry ash (ppm)	0098	5.755	0.2300	5.979	0.6719	0.1749	11	-0.33	2%	0
028.41	Manganese, ICP, Dry ash (ppm)	2415	6.112	0.0740	5.979	0.6719	0.1749	11	0.20	1%	0
028.41	Manganese, ICP, Dry ash (ppm)	0407	6.164	0.0314	5.979	0.6719	0.1749	11	0.27	2%	0
028.41	Manganese, ICP, Dry ash (ppm)	0226	6.220	0.1800	5.979	0.6719	0.1749	11	0.36	2%	0
028.41	Manganese, ICP, Dry ash (ppm)	0619	6.590	0.2400	5.979	0.6719	0.1749	11	0.91	5%	0
028.41	Manganese, ICP, Dry ash (ppm)	1021	6.705	0.0920	5.979	0.6719	0.1749	11	1.08	6%	0
028.41	Manganese, ICP, Dry ash (ppm)	1022	6.788	0.0390	5.979	0.6719	0.1749	11	1.20	7%	0
028.42	Manganese, ICP, Open vessel (ppm)	0026	3.471	0.0400				2			0
028.42	Manganese, ICP, Open vessel (ppm)	0870	5.596	0.3720				2			0
028.43	Manganese, ICP, Microwave (ppm)	2429	4.875	0.4500	5.721	0.4026	0.1979	16	-2.10	7%	0
028.43	Manganese, ICP, Microwave (ppm)	0511	5.000	0.0000	5.721	0.4026	0.1979	16	-1.79	6%	0
028.43	Manganese, ICP, Microwave (ppm)	0226	5.230	0.1000	5.721	0.4026	0.1979	16	-1.22	4%	0
028.43	Manganese, ICP, Microwave (ppm)	0918	5.385	0.3300	5.721	0.4026	0.1979	16	-0.84	3%	0
028.43	Manganese, ICP, Microwave (ppm)	2439	5.500	0.5000	5.721	0.4026	0.1979	16	-0.55	2%	0
028.43	Manganese, ICP, Microwave (ppm)	2435	5.650	0.1000	5.721	0.4026	0.1979	16	-0.18	1%	0
028.43	Manganese, ICP, Microwave (ppm)	0098	5.685	0.0300	5.721	0.4026	0.1979	16	-0.09	0%	0
028.43	Manganese, ICP, Microwave (ppm)	0870	5.778	0.3090	5.721	0.4026	0.1979	16	0.14	0%	0
028.43	Manganese, ICP, Microwave (ppm)	2089	5.840	0.0200	5.721	0.4026	0.1979	16	0.29	1%	0
028.43	Manganese, ICP, Microwave (ppm)	2438	5.925	0.0500	5.721	0.4026	0.1979	16	0.51	2%	0
028.43	Manganese, ICP, Microwave (ppm)	0042	6.000	0.7000	5.721	0.4026	0.1979	16	0.69	2%	0
028.43	Manganese, ICP, Microwave (ppm)	0510	6.000	0.0000	5.721	0.4026	0.1979	16	0.69	2%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
028.43	Manganese, ICP, Microwave (ppm)	2033	6.005	0.0100	5.721	0.4026	0.1979	16	0.70	2%	0
028.43	Manganese, ICP, Microwave (ppm)	2124	6.005	0.0700	5.721	0.4026	0.1979	16	0.70	2%	0
028.43	Manganese, ICP, Microwave (ppm)	2437	6.100	0.0000	5.721	0.4026	0.1979	16	0.94	3%	0
028.43	Manganese, ICP, Microwave (ppm)	0407	6.204	0.0708	5.721	0.4026	0.1979	16	1.20	4%	0
028.43	Manganese, ICP, Microwave (ppm)	2436	5.450	1.100	5.721	0.4026	0.1979	16	-0.67	2%	1
028.43	Manganese, ICP, Microwave (ppm)	2023	0.0560	0.0020	5.721	0.4026	0.1979	16	-14.07	50%	2
028.44	Manganese, ICP, Dry ash (ppm)	2416	5.315	0.0900	5.765	0.4114	0.2173	16	-1.09	4%	0
028.44	Manganese, ICP, Dry ash (ppm)	2421	5.395	0.4100	5.765	0.4114	0.2173	16	-0.90	3%	0
028.44	Manganese, ICP, Dry ash (ppm)	2424	5.430	0.0000	5.765	0.4114	0.2173	16	-0.81	3%	0
028.44	Manganese, ICP, Dry ash (ppm)	2452	5.459	0.3580	5.765	0.4114	0.2173	16	-0.74	3%	0
028.44	Manganese, ICP, Dry ash (ppm)	2420	5.490	0.3200	5.765	0.4114	0.2173	16	-0.67	2%	0
028.44	Manganese, ICP, Dry ash (ppm)	2417	5.537	0.3480	5.765	0.4114	0.2173	16	-0.55	2%	0
028.44	Manganese, ICP, Dry ash (ppm)	2408	5.559	0.6280	5.765	0.4114	0.2173	16	-0.50	2%	0
028.44	Manganese, ICP, Dry ash (ppm)	2422	5.605	0.2100	5.765	0.4114	0.2173	16	-0.39	1%	0
028.44	Manganese, ICP, Dry ash (ppm)	2426	5.640	0.1200	5.765	0.4114	0.2173	16	-0.30	1%	0
028.44	Manganese, ICP, Dry ash (ppm)	2419	5.705	0.7700	5.765	0.4114	0.2173	16	-0.14	1%	0
028.44	Manganese, ICP, Dry ash (ppm)	2382	5.870	0.0400	5.765	0.4114	0.2173	16	0.26	1%	0
028.44	Manganese, ICP, Dry ash (ppm)	2444	6.107	0.0370	5.765	0.4114	0.2173	16	0.83	3%	0
028.44	Manganese, ICP, Dry ash (ppm)	2380	6.196	0.0950	5.765	0.4114	0.2173	16	1.05	4%	0
028.44	Manganese, ICP, Dry ash (ppm)	2414	6.213	0.0340	5.765	0.4114	0.2173	16	1.09	4%	0
028.44	Manganese, ICP, Dry ash (ppm)	2381	6.352	0.1260	5.765	0.4114	0.2173	16	1.43	5%	0
028.44	Manganese, ICP, Dry ash (ppm)	2385	6.362	0.0210	5.765	0.4114	0.2173	16	1.45	5%	0
028.44	Manganese, ICP, Dry ash (ppm)	2156	4.635	1.590	5.765	0.4114	0.2173	16	-2.75	10%	1
028.52	Manganese, ICP-MS, Open vessel (ppm)	0047	6.255	0.3500				1			0
028.53	Manganese, ICP-MS, Microwave (ppm)	0407	5.165	0.3355				2			0
028.53	Manganese, ICP-MS, Microwave (ppm)	2428	5.550	0.9000				2			0
028.99	Manganese, Miscellaneous (ppm)	0242	5.000	0.0000				1			0
031.01	Phosphorus, Photometric (%)	0529	0.2400	0.0000				3			0
031.01	Phosphorus, Photometric (%)	2302	0.2900	0.0000				3			0
031.01	Phosphorus, Photometric (%)	0656	0.3000	0.0000				3			0
031.03	Phosphorus, Autoanalyzer (%)	0001	0.2415	0.0041				1			0
031.41	Phosphorus, ICP, Dry ash (%)	0139	0.2350	0.0100	0.2498	0.0111	0.0075	10	-1.34	3%	0
031.41	Phosphorus, ICP, Dry ash (%)	0098	0.2392	0.0021	0.2498	0.0111	0.0075	10	-0.96	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	1023	0.2400	0.0000	0.2498	0.0111	0.0075	10	-0.89	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0407	0.2483	0.0021	0.2498	0.0111	0.0075	10	-0.14	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0171	0.2500	0.0000	0.2498	0.0111	0.0075	10	0.01	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0226	0.2500	0.0000	0.2498	0.0111	0.0075	10	0.01	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0164	0.2545	0.0010	0.2498	0.0111	0.0075	10	0.42	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	1021	0.2550	0.0100	0.2498	0.0111	0.0075	10	0.46	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	1020	0.2600	0.0000	0.2498	0.0111	0.0075	10	0.92	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0619	0.3210	0.0220	0.2498	0.0111	0.0075	10	6.41	14%	0
031.42	Phosphorus, ICP, Open vessel (%)	0026	0.1985	0.0070	0.2421	0.0347	0.0162	4			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
031.42	Phosphorus, ICP, Open vessel (%)	0504	0.2305	0.0230	0.2421	0.0347	0.0162	4			0
031.42	Phosphorus, ICP, Open vessel (%)	0870	0.2644	0.0047	0.2421	0.0347	0.0162	4			0
031.42	Phosphorus, ICP, Open vessel (%)	0047	0.2750	0.0300	0.2421	0.0347	0.0162	4			0
031.43	Phosphorus, ICP, Microwave (%)	2429	0.2105	0.0180	0.2522	0.0198	0.0102	20	-2.11	8%	0
031.43	Phosphorus, ICP, Microwave (%)	0027	0.2308	0.0054	0.2522	0.0198	0.0102	20	-1.08	4%	0
031.43	Phosphorus, ICP, Microwave (%)	2439	0.2313	0.0369	0.2522	0.0198	0.0102	20	-1.06	4%	0
031.43	Phosphorus, ICP, Microwave (%)	2436	0.2352	0.0304	0.2522	0.0198	0.0102	20	-0.86	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0226	0.2400	0.0000	0.2522	0.0198	0.0102	20	-0.62	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0918	0.2405	0.0010	0.2522	0.0198	0.0102	20	-0.59	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0098	0.2435	0.0037	0.2522	0.0198	0.0102	20	-0.44	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0511	0.2450	0.0100	0.2522	0.0198	0.0102	20	-0.36	1%	0
031.43	Phosphorus, ICP, Microwave (%)	2435	0.2455	0.0101	0.2522	0.0198	0.0102	20	-0.34	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0010	0.2500	0.0000	0.2522	0.0198	0.0102	20	-0.11	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0001	0.2515	0.0070	0.2522	0.0198	0.0102	20	-0.03	0%	0
031.43	Phosphorus, ICP, Microwave (%)	2438	0.2516	0.0095	0.2522	0.0198	0.0102	20	-0.03	0%	0
031.43	Phosphorus, ICP, Microwave (%)	2033	0.2550	0.0080	0.2522	0.0198	0.0102	20	0.14	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0510	0.2600	0.0200	0.2522	0.0198	0.0102	20	0.40	2%	0
031.43	Phosphorus, ICP, Microwave (%)	2124	0.2600	0.0000	0.2522	0.0198	0.0102	20	0.40	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0870	0.2648	0.0061	0.2522	0.0198	0.0102	20	0.64	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0407	0.2728	0.0083	0.2522	0.0198	0.0102	20	1.04	4%	0
031.43	Phosphorus, ICP, Microwave (%)	2089	0.2800	0.0000	0.2522	0.0198	0.0102	20	1.41	6%	0
031.43	Phosphorus, ICP, Microwave (%)	2437	0.2827	0.0032	0.2522	0.0198	0.0102	20	1.55	6%	0
031.43	Phosphorus, ICP, Microwave (%)	0042	0.5940	0.0100	0.2522	0.0198	0.0102	20	17.30	68%	0
031.43	Phosphorus, ICP, Microwave (%)	2023	24.65	0.1000	0.2522	0.0198	0.0102	20	>100	4838%	2
031.44	Phosphorus, ICP, Dry ash (%)	2385	0.2300	0.0000	0.2441	0.0167	0.0123	24	-0.84	3%	0
031.44	Phosphorus, ICP, Dry ash (%)	2415	0.2300	0.0000	0.2441	0.0167	0.0123	24	-0.84	3%	0
031.44	Phosphorus, ICP, Dry ash (%)	2417	0.2300	0.0000	0.2441	0.0167	0.0123	24	-0.84	3%	0
031.44	Phosphorus, ICP, Dry ash (%)	2419	0.2300	0.0000	0.2441	0.0167	0.0123	24	-0.84	3%	0
031.44	Phosphorus, ICP, Dry ash (%)	2420	0.2300	0.0000	0.2441	0.0167	0.0123	24	-0.84	3%	0
031.44	Phosphorus, ICP, Dry ash (%)	2421	0.2300	0.0000	0.2441	0.0167	0.0123	24	-0.84	3%	0
031.44	Phosphorus, ICP, Dry ash (%)	2444	0.2300	0.0000	0.2441	0.0167	0.0123	24	-0.84	3%	0
031.44	Phosphorus, ICP, Dry ash (%)	2452	0.2300	0.0000	0.2441	0.0167	0.0123	24	-0.84	3%	0
031.44	Phosphorus, ICP, Dry ash (%)	2380	0.2350	0.0100	0.2441	0.0167	0.0123	24	-0.54	2%	0
031.44	Phosphorus, ICP, Dry ash (%)	2416	0.2350	0.0100	0.2441	0.0167	0.0123	24	-0.54	2%	0
031.44	Phosphorus, ICP, Dry ash (%)	2426	0.2350	0.0100	0.2441	0.0167	0.0123	24	-0.54	2%	0
031.44	Phosphorus, ICP, Dry ash (%)	2381	0.2400	0.0000	0.2441	0.0167	0.0123	24	-0.24	1%	0
031.44	Phosphorus, ICP, Dry ash (%)	2382	0.2400	0.0000	0.2441	0.0167	0.0123	24	-0.24	1%	0
031.44	Phosphorus, ICP, Dry ash (%)	2422	0.2400	0.0200	0.2441	0.0167	0.0123	24	-0.24	1%	0
031.44	Phosphorus, ICP, Dry ash (%)	2424	0.2400	0.0000	0.2441	0.0167	0.0123	24	-0.24	1%	0
031.44	Phosphorus, ICP, Dry ash (%)	2414	0.2450	0.0100	0.2441	0.0167	0.0123	24	0.06	0%	0
031.44	Phosphorus, ICP, Dry ash (%)	2408	0.2585	0.0030	0.2441	0.0167	0.0123	24	0.86	3%	0
031.44	Phosphorus, ICP, Dry ash (%)	1022	0.2600	0.0000	0.2441	0.0167	0.0123	24	0.95	3%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
031.44	Phosphorus, ICP, Dry ash (%)	2219	0.2605	0.0050	0.2441	0.0167	0.0123	24	0.98	3%	0
031.44	Phosphorus, ICP, Dry ash (%)	2293	0.2620	0.0000	0.2441	0.0167	0.0123	24	1.07	4%	0
031.44	Phosphorus, ICP, Dry ash (%)	2361	0.2625	0.0090	0.2441	0.0167	0.0123	24	1.10	4%	0
031.44	Phosphorus, ICP, Dry ash (%)	2330	0.2655	0.0070	0.2441	0.0167	0.0123	24	1.28	4%	0
031.44	Phosphorus, ICP, Dry ash (%)	2156	0.2775	0.0330	0.2441	0.0167	0.0123	24	2.00	7%	0
031.44	Phosphorus, ICP, Dry ash (%)	2362	0.2900	0.0480	0.2441	0.0167	0.0123	24	2.75	9%	0
031.44	Phosphorus, ICP, Dry ash (%)	2220	0.4865	0.4490	0.2441	0.0167	0.0123	24	14.49	50%	2
031.53	Phosphorus, ICP-MS, Microwave (%)	0407	0.2230	0.0007				2			0
031.53	Phosphorus, ICP-MS, Microwave (%)	2428	0.2350	0.0500				2			0
031.99	Phosphorus, Miscellaneous (%)	0242	0.2100	0.0000				1			0
032.31	Potassium, AAS, Dry ash (%)	0529	0.3200	0.0000				3			0
032.31	Potassium, AAS, Dry ash (%)	0656	0.3300	0.0000				3			0
032.31	Potassium, AAS, Dry ash (%)	0208	0.3595	0.0730				3			0
032.41	Potassium, ICP, Dry ash (%)	0407	0.2858	0.0080	0.3171	0.0158	0.0119	11	-1.98	5%	0
032.41	Potassium, ICP, Dry ash (%)	0139	0.3000	0.0200	0.3171	0.0158	0.0119	11	-1.08	3%	0
032.41	Potassium, ICP, Dry ash (%)	0208	0.3090	0.0100	0.3171	0.0158	0.0119	11	-0.51	1%	0
032.41	Potassium, ICP, Dry ash (%)	1023	0.3100	0.0000	0.3171	0.0158	0.0119	11	-0.45	1%	0
032.41	Potassium, ICP, Dry ash (%)	0164	0.3150	0.0020	0.3171	0.0158	0.0119	11	-0.13	0%	0
032.41	Potassium, ICP, Dry ash (%)	0226	0.3150	0.0100	0.3171	0.0158	0.0119	11	-0.13	0%	0
032.41	Potassium, ICP, Dry ash (%)	0098	0.3200	0.0000	0.3171	0.0158	0.0119	11	0.18	0%	0
032.41	Potassium, ICP, Dry ash (%)	1021	0.3250	0.0100	0.3171	0.0158	0.0119	11	0.50	1%	0
032.41	Potassium, ICP, Dry ash (%)	1020	0.3300	0.0000	0.3171	0.0158	0.0119	11	0.82	2%	0
032.41	Potassium, ICP, Dry ash (%)	1022	0.3300	0.0000	0.3171	0.0158	0.0119	11	0.82	2%	0
032.41	Potassium, ICP, Dry ash (%)	0619	0.3505	0.0230	0.3171	0.0158	0.0119	11	2.11	5%	0
032.42	Potassium, ICP, Open vessel (%)	0026	0.2255	0.0010	0.2671	0.0408	0.0294	4			0
032.42	Potassium, ICP, Open vessel (%)	0504	0.2550	0.0740	0.2671	0.0408	0.0294	4			0
032.42	Potassium, ICP, Open vessel (%)	0047	0.2650	0.0300	0.2671	0.0408	0.0294	4			0
032.42	Potassium, ICP, Open vessel (%)	0870	0.3229	0.0126	0.2671	0.0408	0.0294	4			0
032.43	Potassium, ICP, Microwave (%)	0226	0.2800	0.0000	0.3165	0.0191	0.0122	19	-1.90	6%	0
032.43	Potassium, ICP, Microwave (%)	2429	0.2802	0.0171	0.3165	0.0191	0.0122	19	-1.90	6%	0
032.43	Potassium, ICP, Microwave (%)	0918	0.2965	0.0030	0.3165	0.0191	0.0122	19	-1.04	3%	0
032.43	Potassium, ICP, Microwave (%)	0870	0.3047	0.0160	0.3165	0.0191	0.0122	19	-0.61	2%	0
032.43	Potassium, ICP, Microwave (%)	2436	0.3074	0.0333	0.3165	0.0191	0.0122	19	-0.48	1%	0
032.43	Potassium, ICP, Microwave (%)	2089	0.3100	0.0000	0.3165	0.0191	0.0122	19	-0.34	1%	0
032.43	Potassium, ICP, Microwave (%)	2124	0.3100	0.0000	0.3165	0.0191	0.0122	19	-0.34	1%	0
032.43	Potassium, ICP, Microwave (%)	0027	0.3122	0.0105	0.3165	0.0191	0.0122	19	-0.23	1%	0
032.43	Potassium, ICP, Microwave (%)	0098	0.3150	0.0100	0.3165	0.0191	0.0122	19	-0.08	0%	0
032.43	Potassium, ICP, Microwave (%)	0511	0.3150	0.0300	0.3165	0.0191	0.0122	19	-0.08	0%	0
032.43	Potassium, ICP, Microwave (%)	2439	0.3176	0.0252	0.3165	0.0191	0.0122	19	0.06	0%	0
032.43	Potassium, ICP, Microwave (%)	2435	0.3177	0.0059	0.3165	0.0191	0.0122	19	0.06	0%	0
032.43	Potassium, ICP, Microwave (%)	0010	0.3200	0.0060	0.3165	0.0191	0.0122	19	0.18	1%	0
032.43	Potassium, ICP, Microwave (%)	0510	0.3200	0.0000	0.3165	0.0191	0.0122	19	0.18	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
032.43	Potassium, ICP, Microwave (%)	2438	0.3270	0.0115	0.3165	0.0191	0.0122	19	0.55	2%	0
032.43	Potassium, ICP, Microwave (%)	0042	0.3290	0.0060	0.3165	0.0191	0.0122	19	0.66	2%	0
032.43	Potassium, ICP, Microwave (%)	2033	0.3450	0.0100	0.3165	0.0191	0.0122	19	1.49	5%	0
032.43	Potassium, ICP, Microwave (%)	0407	0.3481	0.0093	0.3165	0.0191	0.0122	19	1.65	5%	0
032.43	Potassium, ICP, Microwave (%)	2437	0.3579	0.0002	0.3165	0.0191	0.0122	19	2.16	7%	0
032.43	Potassium, ICP, Microwave (%)	2023	28.85	0.1000	0.3165	0.0191	0.0122	19	>100	4508%	2
032.44	Potassium, ICP, Dry ash (%)	2385	0.2650	0.0100	0.2915	0.0133	0.0142	24	-1.99	5%	0
032.44	Potassium, ICP, Dry ash (%)	2415	0.2700	0.0200	0.2915	0.0133	0.0142	24	-1.62	4%	0
032.44	Potassium, ICP, Dry ash (%)	2381	0.2750	0.0100	0.2915	0.0133	0.0142	24	-1.24	3%	0
032.44	Potassium, ICP, Dry ash (%)	2444	0.2750	0.0100	0.2915	0.0133	0.0142	24	-1.24	3%	0
032.44	Potassium, ICP, Dry ash (%)	2380	0.2800	0.0000	0.2915	0.0133	0.0142	24	-0.87	2%	0
032.44	Potassium, ICP, Dry ash (%)	2382	0.2850	0.0100	0.2915	0.0133	0.0142	24	-0.49	1%	0
032.44	Potassium, ICP, Dry ash (%)	2421	0.2850	0.0100	0.2915	0.0133	0.0142	24	-0.49	1%	0
032.44	Potassium, ICP, Dry ash (%)	2220	0.2870	0.0220	0.2915	0.0133	0.0142	24	-0.34	1%	0
032.44	Potassium, ICP, Dry ash (%)	2408	0.2875	0.0090	0.2915	0.0133	0.0142	24	-0.30	1%	0
032.44	Potassium, ICP, Dry ash (%)	2293	0.2880	0.0240	0.2915	0.0133	0.0142	24	-0.26	1%	0
032.44	Potassium, ICP, Dry ash (%)	2361	0.2890	0.0040	0.2915	0.0133	0.0142	24	-0.19	0%	0
032.44	Potassium, ICP, Dry ash (%)	2330	0.2895	0.0150	0.2915	0.0133	0.0142	24	-0.15	0%	0
032.44	Potassium, ICP, Dry ash (%)	2414	0.2900	0.0000	0.2915	0.0133	0.0142	24	-0.11	0%	0
032.44	Potassium, ICP, Dry ash (%)	2452	0.2950	0.0100	0.2915	0.0133	0.0142	24	0.26	1%	0
032.44	Potassium, ICP, Dry ash (%)	2219	0.2955	0.0070	0.2915	0.0133	0.0142	24	0.30	1%	0
032.44	Potassium, ICP, Dry ash (%)	2416	0.3000	0.0000	0.2915	0.0133	0.0142	24	0.64	1%	0
032.44	Potassium, ICP, Dry ash (%)	2417	0.3000	0.0000	0.2915	0.0133	0.0142	24	0.64	1%	0
032.44	Potassium, ICP, Dry ash (%)	2419	0.3000	0.0000	0.2915	0.0133	0.0142	24	0.64	1%	0
032.44	Potassium, ICP, Dry ash (%)	2420	0.3000	0.0000	0.2915	0.0133	0.0142	24	0.64	1%	0
032.44	Potassium, ICP, Dry ash (%)	2426	0.3000	0.0000	0.2915	0.0133	0.0142	24	0.64	1%	0
032.44	Potassium, ICP, Dry ash (%)	2156	0.3005	0.0210	0.2915	0.0133	0.0142	24	0.67	2%	0
032.44	Potassium, ICP, Dry ash (%)	2422	0.3100	0.0200	0.2915	0.0133	0.0142	24	1.39	3%	0
032.44	Potassium, ICP, Dry ash (%)	2424	0.3100	0.0000	0.2915	0.0133	0.0142	24	1.39	3%	0
032.44	Potassium, ICP, Dry ash (%)	2362	0.3195	0.0430	0.2915	0.0133	0.0142	24	2.10	5%	0
032.53	Potassium, ICP-MS, Microwave (%)	0407	0.2924	0.0058				2			0
032.53	Potassium, ICP-MS, Microwave (%)	2428	0.3150	0.0100				2			0
032.99	Potassium, Miscellaneous (%)	0242	0.2750	0.0100				2			0
032.99	Potassium, Miscellaneous (%)	0001	0.3044	0.0158				2			0
033.00	Salt as chloride, Sol Cl (%)	0309	< 0.1					0			5
033.01	Salt as chloride, Poten Cl (%)	2023	0.0500	0.0000	0.0730	0.0154		4			0
033.01	Salt as chloride, Poten Cl (%)	0407	0.0790	0.0000	0.0730	0.0154		4			0
033.01	Salt as chloride, Poten Cl (%)	0242	0.0800	0.0000	0.0730	0.0154		4			0
033.01	Salt as chloride, Poten Cl (%)	0510	0.0830	0.0000	0.0730	0.0154		4			0
033.01	Salt as chloride, Poten Cl (%)	0619	0.0285	0.0010	0.0730	0.0154		4			1
033.01	Salt as chloride, Poten Cl (%)	0164	< 0.1		0.0730	0.0154		4			5
033.99	Salt, Miscellaneous (%)	0650	0.0700	0.0000				1			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
034.04	Selenium, Total (Se), AA, Hydride (ppm)	0164	0.0600	0.0080				1			0
034.53	Selenium, Total (Se), ICP-MS, Microwave (ppm)	0407	0.0715	0.0091				1			0
034.53	Selenium, Total (Se), ICP-MS, Microwave (ppm)	2428	< 0.5					1			5
035.41	Sodium, ICP, Dry ash (%)	0407	0.0009	0.0002	0.0089	0.0044	0.0043	25	-1.79	45%	0
035.41	Sodium, ICP, Dry ash (%)	2220	0.0040	0.0040	0.0089	0.0044	0.0043	25	-1.09	27%	0
035.41	Sodium, ICP, Dry ash (%)	2330	0.0040	0.0040	0.0089	0.0044	0.0043	25	-1.09	27%	0
035.41	Sodium, ICP, Dry ash (%)	2408	0.0040	0.0040	0.0089	0.0044	0.0043	25	-1.09	27%	0
035.41	Sodium, ICP, Dry ash (%)	0619	0.0045	0.0010	0.0089	0.0044	0.0043	25	-0.98	25%	0
035.41	Sodium, ICP, Dry ash (%)	2293	0.0055	0.0030	0.0089	0.0044	0.0043	25	-0.75	19%	0
035.41	Sodium, ICP, Dry ash (%)	2361	0.0055	0.0050	0.0089	0.0044	0.0043	25	-0.75	19%	0
035.41	Sodium, ICP, Dry ash (%)	2362	0.0055	0.0050	0.0089	0.0044	0.0043	25	-0.75	19%	0
035.41	Sodium, ICP, Dry ash (%)	2156	0.0060	0.0080	0.0089	0.0044	0.0043	25	-0.64	16%	0
035.41	Sodium, ICP, Dry ash (%)	2219	0.0080	0.0100	0.0089	0.0044	0.0043	25	-0.19	5%	0
035.41	Sodium, ICP, Dry ash (%)	0226	0.0100	0.0000	0.0089	0.0044	0.0043	25	0.26	6%	0
035.41	Sodium, ICP, Dry ash (%)	1020	0.0100	0.0000	0.0089	0.0044	0.0043	25	0.26	6%	0
035.41	Sodium, ICP, Dry ash (%)	1021	0.0100	0.0000	0.0089	0.0044	0.0043	25	0.26	6%	0
035.41	Sodium, ICP, Dry ash (%)	1022	0.0100	0.0000	0.0089	0.0044	0.0043	25	0.26	6%	0
035.41	Sodium, ICP, Dry ash (%)	1023	0.0100	0.0000	0.0089	0.0044	0.0043	25	0.26	6%	0
035.41	Sodium, ICP, Dry ash (%)	2382	0.0100	0.0000	0.0089	0.0044	0.0043	25	0.26	6%	0
035.41	Sodium, ICP, Dry ash (%)	2385	0.0100	0.0000	0.0089	0.0044	0.0043	25	0.26	6%	0
035.41	Sodium, ICP, Dry ash (%)	2414	0.0100	0.0000	0.0089	0.0044	0.0043	25	0.26	6%	0
035.41	Sodium, ICP, Dry ash (%)	2419	0.0100	0.0000	0.0089	0.0044	0.0043	25	0.26	6%	0
035.41	Sodium, ICP, Dry ash (%)	2422	0.0100	0.0000	0.0089	0.0044	0.0043	25	0.26	6%	0
035.41	Sodium, ICP, Dry ash (%)	2426	0.0100	0.0000	0.0089	0.0044	0.0043	25	0.26	6%	0
035.41	Sodium, ICP, Dry ash (%)	2380	0.0200	0.0000	0.0089	0.0044	0.0043	25	2.51	63%	0
035.41	Sodium, ICP, Dry ash (%)	2381	0.0200	0.0000	0.0089	0.0044	0.0043	25	2.51	63%	0
035.41	Sodium, ICP, Dry ash (%)	2415	0.0200	0.0000	0.0089	0.0044	0.0043	25	2.51	63%	0
035.41	Sodium, ICP, Dry ash (%)	2444	0.0200	0.0000	0.0089	0.0044	0.0043	25	2.51	63%	0
035.41	Sodium, ICP, Dry ash (%)	2421	0.0000	0.0000	0.0089	0.0044	0.0043	25			4
035.41	Sodium, ICP, Dry ash (%)	0139	0.0050	0.0100	0.0089	0.0044	0.0043	25			4
035.41	Sodium, ICP, Dry ash (%)	2416	0.0050	0.0100	0.0089	0.0044	0.0043	25			4
035.41	Sodium, ICP, Dry ash (%)	2417	0.0050	0.0100	0.0089	0.0044	0.0043	25			4
035.41	Sodium, ICP, Dry ash (%)	2420	0.0050	0.0100	0.0089	0.0044	0.0043	25			4
035.41	Sodium, ICP, Dry ash (%)	2424	0.0050	0.0100	0.0089	0.0044	0.0043	25			4
035.41	Sodium, ICP, Dry ash (%)	2452	0.0050	0.0100	0.0089	0.0044	0.0043	25			4
035.41	Sodium, ICP, Dry ash (%)	0164	< 0.002		0.0089	0.0044	0.0043	25			5
035.42	Sodium, ICP, Open vessel (%)	0870	0.0004	0.0000				1			0
035.43	Sodium, ICP, Microwave (%)	0870	0.0004	0.0000	0.0013	0.0009	0.0007	8	-0.97	34%	0
035.43	Sodium, ICP, Microwave (%)	2438	0.0008	0.0001	0.0013	0.0009	0.0007	8	-0.59	21%	0
035.43	Sodium, ICP, Microwave (%)	0407	0.0010	0.0001	0.0013	0.0009	0.0007	8	-0.36	13%	0
035.43	Sodium, ICP, Microwave (%)	2429	0.0010	0.0014	0.0013	0.0009	0.0007	8	-0.31	11%	0
035.43	Sodium, ICP, Microwave (%)	2437	0.0011	0.0003	0.0013	0.0009	0.0007	8	-0.25	9%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
035.43	Sodium, ICP, Microwave (%)	2435	0.0011	0.0001	0.0013	0.0009	0.0007	8	-0.25	9%	0
035.43	Sodium, ICP, Microwave (%)	0226	0.0024	0.0008	0.0013	0.0009	0.0007	8	1.24	44%	0
035.43	Sodium, ICP, Microwave (%)	0042	0.0065	0.0030	0.0013	0.0009	0.0007	8	5.79	204%	0
035.43	Sodium, ICP, Microwave (%)	2089	0.0250	0.0100	0.0013	0.0009	0.0007	8	26.29	927%	1
035.43	Sodium, ICP, Microwave (%)	2439	0.0000	0.0000	0.0013	0.0009	0.0007	8			4
035.43	Sodium, ICP, Microwave (%)	2436	0.0002	0.0004	0.0013	0.0009	0.0007	8			4
035.43	Sodium, ICP, Microwave (%)	2033	< 0.001		0.0013	0.0009	0.0007	8			5
035.43	Sodium, ICP, Microwave (%)	2124	< 0.001		0.0013	0.0009	0.0007	8			5
035.43	Sodium, ICP, Microwave (%)	2023	< 0.002		0.0013	0.0009	0.0007	8			5
035.43	Sodium, ICP, Microwave (%)	0918	< 0.01		0.0013	0.0009	0.0007	8			5
035.53	Sodium, ICP-MS, Microwave (%)	0407	0.0005	0.0008				1			0
035.53	Sodium, ICP-MS, Microwave (%)	2428	< 0.0005					1			5
035.53	Sodium, ICP-MS, Microwave (%)	2250	< 0.005					1			5
035.99	Sodium, Miscellaneous (%)	0242	< 0.01					0			5
036.42	Sulfur, ICP, Open vessel (%)	0870	0.0929	0.0011				3			0
036.42	Sulfur, ICP, Open vessel (%)	0164	0.1000	0.0000				3			0
036.42	Sulfur, ICP, Open vessel (%)	0407	0.1072	0.0018				3			0
036.43	Sulfur, ICP, Microwave (%)	2428	0.0935	0.0110	0.0989	0.0053	0.0045	8	-1.03	3%	0
036.43	Sulfur, ICP, Microwave (%)	0042	0.0950	0.0080	0.0989	0.0053	0.0045	8	-0.75	2%	0
036.43	Sulfur, ICP, Microwave (%)	0870	0.0956	0.0022	0.0989	0.0053	0.0045	8	-0.63	2%	0
036.43	Sulfur, ICP, Microwave (%)	0918	0.0975	0.0050	0.0989	0.0053	0.0045	8	-0.27	1%	0
036.43	Sulfur, ICP, Microwave (%)	0098	0.0987	0.0005	0.0989	0.0053	0.0045	8	-0.05	0%	0
036.43	Sulfur, ICP, Microwave (%)	0510	0.1000	0.0000	0.0989	0.0053	0.0045	8	0.20	1%	0
036.43	Sulfur, ICP, Microwave (%)	0407	0.1044	0.0003	0.0989	0.0053	0.0045	8	1.03	3%	0
036.43	Sulfur, ICP, Microwave (%)	2089	0.1500	0.0000	0.0989	0.0053	0.0045	8	9.69	26%	0
036.99	Sulfur, Miscellaneous (%)	0242	< 0.1					0			5
037.31	Zinc, AAS, Dry ash (ppm)	0001	17.55	0.8700				3			0
037.31	Zinc, AAS, Dry ash (ppm)	0529	19.65	0.1000				3			0
037.31	Zinc, AAS, Dry ash (ppm)	0656	20.87	0.0000				3			0
037.33	Zinc, AAS, Microwave (ppm)	0010	19.55	0.3000				1			0
037.41	Zinc, ICP, Dry ash (ppm)	2408	0.2520	0.0760	17.50	5.044	2.117	14	-3.42	49%	0
037.41	Zinc, ICP, Dry ash (ppm)	2156	11.45	8.600	17.50	5.044	2.117	14	-1.20	17%	0
037.41	Zinc, ICP, Dry ash (ppm)	2381	12.48	0.5500	17.50	5.044	2.117	14	-1.00	14%	0
037.41	Zinc, ICP, Dry ash (ppm)	2330	13.46	7.937	17.50	5.044	2.117	14	-0.80	12%	0
037.41	Zinc, ICP, Dry ash (ppm)	2382	14.81	0.3800	17.50	5.044	2.117	14	-0.53	8%	0
037.41	Zinc, ICP, Dry ash (ppm)	2220	15.45	4.290	17.50	5.044	2.117	14	-0.41	6%	0
037.41	Zinc, ICP, Dry ash (ppm)	0164	19.00	0.0000	17.50	5.044	2.117	14	0.30	4%	0
037.41	Zinc, ICP, Dry ash (ppm)	0098	19.72	1.170	17.50	5.044	2.117	14	0.44	6%	0
037.41	Zinc, ICP, Dry ash (ppm)	0407	20.54	0.5640	17.50	5.044	2.117	14	0.60	9%	0
037.41	Zinc, ICP, Dry ash (ppm)	2219	20.63	2.920	17.50	5.044	2.117	14	0.62	9%	0
037.41	Zinc, ICP, Dry ash (ppm)	0171	21.03	0.8900	17.50	5.044	2.117	14	0.70	10%	0
037.41	Zinc, ICP, Dry ash (ppm)	0226	21.04	0.2200	17.50	5.044	2.117	14	0.70	10%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
037.41	Zinc, ICP, Dry ash (ppm)	2380	21.19	0.2500	17.50	5.044	2.117	14	0.73	11%	0
037.41	Zinc, ICP, Dry ash (ppm)	0619	24.25	4.300	17.50	5.044	2.117	14	1.34	19%	0
037.42	Zinc, ICP, Open vessel (ppm)	0870	18.14	0.2200				3			0
037.42	Zinc, ICP, Open vessel (ppm)	0026	20.98	3.233				3			0
037.42	Zinc, ICP, Open vessel (ppm)	0504	25.00	2.000				3			0
037.43	Zinc, ICP, Microwave (ppm)	2023	0.1900	0.0000	18.33	4.275	0.6424	16	-4.24	49%	0
037.43	Zinc, ICP, Microwave (ppm)	0027	6.500	1.000	18.33	4.275	0.6424	16	-2.77	32%	0
037.43	Zinc, ICP, Microwave (ppm)	0226	11.94	0.1500	18.33	4.275	0.6424	16	-1.50	17%	0
037.43	Zinc, ICP, Microwave (ppm)	2429	16.35	2.100	18.33	4.275	0.6424	16	-0.46	5%	0
037.43	Zinc, ICP, Microwave (ppm)	0511	17.50	1.000	18.33	4.275	0.6424	16	-0.19	2%	0
037.43	Zinc, ICP, Microwave (ppm)	0918	17.89	0.3200	18.33	4.275	0.6424	16	-0.10	1%	0
037.43	Zinc, ICP, Microwave (ppm)	0870	18.71	0.3400	18.33	4.275	0.6424	16	0.09	1%	0
037.43	Zinc, ICP, Microwave (ppm)	2124	19.23	0.2700	18.33	4.275	0.6424	16	0.21	2%	0
037.43	Zinc, ICP, Microwave (ppm)	2438	19.25	0.5000	18.33	4.275	0.6424	16	0.22	3%	0
037.43	Zinc, ICP, Microwave (ppm)	0098	19.28	0.3900	18.33	4.275	0.6424	16	0.22	3%	0
037.43	Zinc, ICP, Microwave (ppm)	2436	19.60	0.2000	18.33	4.275	0.6424	16	0.30	3%	0
037.43	Zinc, ICP, Microwave (ppm)	0510	20.00	0.0000	18.33	4.275	0.6424	16	0.39	5%	0
037.43	Zinc, ICP, Microwave (ppm)	2033	20.30	0.2000	18.33	4.275	0.6424	16	0.46	5%	0
037.43	Zinc, ICP, Microwave (ppm)	0407	21.55	0.8084	18.33	4.275	0.6424	16	0.75	9%	0
037.43	Zinc, ICP, Microwave (ppm)	0042	23.10	1.200	18.33	4.275	0.6424	16	1.12	13%	0
037.43	Zinc, ICP, Microwave (ppm)	2089	27.29	1.220	18.33	4.275	0.6424	16	2.10	24%	0
037.44	Zinc, ICP, Dry ash (ppm)	2414	13.46	0.0900				3			0
037.44	Zinc, ICP, Dry ash (ppm)	2444	13.59	0.3400				3			0
037.44	Zinc, ICP, Dry ash (ppm)	2415	21.02	0.0500				3			0
037.52	Zinc, ICP-MS, Open vessel (ppm)	0047	22.84	1.610				1			0
037.53	Zinc, ICP-MS, Microwave (ppm)	2428	15.00	4.000				2			0
037.53	Zinc, ICP-MS, Microwave (ppm)	0407	17.28	1.671				2			0
037.99	Zinc, Miscellaneous (ppm)	0242	18.50	3.000				1			0
038.41	Molybdenum, ICP, Dry ash (ppm)	0407	0.1171	0.0319				2			0
038.41	Molybdenum, ICP, Dry ash (ppm)	0164	0.1345	0.0070				2			0
038.43	Molybdenum, ICP, Microwave (ppm)	0407	0.1203	0.0032				2			0
038.43	Molybdenum, ICP, Microwave (ppm)	0510	0.3500	0.1000				2			0
038.53	Molybdenum, ICP-MS, Microwave (ppm)	0407	0.1248	0.0032				1			0
038.53	Molybdenum, ICP-MS, Microwave (ppm)	2428	< 0.5					1			5
040.53	Barium, ICP-MS, Microwave (ppm)	0407	0.1894	0.0477				1			0
041.53	Vanadium, ICP-MS, Microwave (ppm)	0407	0.0105	0.0122				1			0
115.00	Non Protein N (NPN), Urea + Am, Urease meth	0407	0.1300	0.0000				1			0
120.00	Alanine, Post-col Ninhydrin Der (%)	0226	0.5491	0.0045				3			0
120.00	Alanine, Post-col Ninhydrin Der (%)	0504	0.5650	0.0100				3			0
120.00	Alanine, Post-col Ninhydrin Der (%)	0619	0.5875	0.0070				3			0
120.00	Alanine, Post-col Ninhydrin Der (%)	0918	0.5900	0.0600				3			1
120.02	Alanine, Post-col OPA Der (%)	2023	0.4950	0.0100				1			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
120.05	Alanine, Pre-col AQC Der (%)	0407	0.5235	0.0050				2		0	
120.05	Alanine, Pre-col AQC Der (%)	0870	0.5705	0.0310				2		0	
120.99	Alanine, Miscellaneous (%)	2428	0.5250	0.1100				2		0	
120.99	Alanine, Miscellaneous (%)	0656	0.6000	0.0000				2		0	
121.00	Arginine, Post-col Ninhydrin Der (%)	0504	0.3300	0.0000	0.3611	0.0240	0.0122	4		0	
121.00	Arginine, Post-col Ninhydrin Der (%)	0918	0.3550	0.0100	0.3611	0.0240	0.0122	4		0	
121.00	Arginine, Post-col Ninhydrin Der (%)	0226	0.3766	0.0047	0.3611	0.0240	0.0122	4		0	
121.00	Arginine, Post-col Ninhydrin Der (%)	0619	0.3830	0.0220	0.3611	0.0240	0.0122	4		0	
121.02	Arginine, Post-col OPA Der (%)	2023	0.3300	0.0000				1		0	
121.05	Arginine, Pre-col AQC Der (%)	0407	0.3345	0.0030				2		0	
121.05	Arginine, Pre-col AQC Der (%)	0870	0.3690	0.0180				2		0	
121.99	Arginine, Miscellaneous (%)	2428	0.3650	0.0500				2		0	
121.99	Arginine, Miscellaneous (%)	0656	0.3800	0.0000				2		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0504	0.4850	0.0100	0.5083	0.0235	0.0227	4		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0226	0.4927	0.0178	0.5083	0.0235	0.0227	4		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0918	0.5200	0.0400	0.5083	0.0235	0.0227	4		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0619	0.5355	0.0230	0.5083	0.0235	0.0227	4		0	
122.02	Aspartic, Post-col OPA Der (%)	2023	0.4600	0.0000				1		0	
122.05	Aspartic, Pre-col AQC Der (%)	0407	0.4685	0.0010				2		0	
122.05	Aspartic, Pre-col AQC Der (%)	0870	0.5400	0.0180				2		0	
122.99	Aspartic, Miscellaneous (%)	2428	0.4350	0.0700				2		0	
122.99	Aspartic, Miscellaneous (%)	0656	0.5000	0.0000				2		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0226	0.1679	0.0026	0.1872	0.0153	0.0149	4		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0619	0.1860	0.0120	0.1872	0.0153	0.0149	4		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0504	0.1900	0.0000	0.1872	0.0153	0.0149	4		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0918	0.2050	0.0300	0.1872	0.0153	0.0149	4		0	
124.02	Cysteine/Cystine, PAO Post-col OPA Der (%)	2023	0.2200	0.0000				1		0	
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0407	0.2349	0.0057				2		0	
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0870	0.2465	0.0170				2		0	
124.99	Cysteine/Cystine, Miscellaneous (%)	0656	0.1900	0.0000				2		0	
124.99	Cysteine/Cystine, Miscellaneous (%)	2428	0.5100	0.1800				2		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0619	1.395	0.0300	1.455	0.0589	0.0650	4		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0504	1.435	0.0500	1.455	0.0589	0.0650	4		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0226	1.453	0.0101	1.455	0.0589	0.0650	4		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0918	1.535	0.1700	1.455	0.0589	0.0650	4		0	
125.02	Glutamic, Post-col OPA Der (%)	2023	1.365	0.0100				1		0	
125.05	Glutamic, Pre-col AQC Der (%)	0407	1.340	0.0240				2		0	
125.05	Glutamic, Pre-col AQC Der (%)	0870	1.658	0.0810				2		0	
125.99	Glutamic, Miscellaneous (%)	2428	1.340	0.2800				2		0	
125.99	Glutamic, Miscellaneous (%)	0656	1.490	0.0000				2		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0504	0.3000	0.0000				3		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0226	0.3068	0.0032				3		0	

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
126.00	Glycine, Post-col Ninhydrin Der (%)	0619	0.3190	0.0040				3		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0918	0.3200	0.0200				3		1	
126.02	Glycine, Post-col OPA Der (%)	2023	0.2800	0.0000				1		0	
126.05	Glycine, Pre-col AQC Der (%)	0407	0.3035	0.0050				2		0	
126.05	Glycine, Pre-col AQC Der (%)	0870	0.3535	0.0190				2		0	
126.99	Glycine, Miscellaneous (%)	2428	0.2800	0.0400				2		0	
126.99	Glycine, Miscellaneous (%)	0656	0.3300	0.0000				2		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0226	0.1994	0.0049	0.2330	0.0505	0.0053	4		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0918	0.2050	0.0100	0.2330	0.0505	0.0053	4		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0504	0.2200	0.0000	0.2330	0.0505	0.0053	4		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0619	0.3075	0.0010	0.2330	0.0505	0.0053	4		0	
127.02	Histidine, Post-col OPA Der (%)	2023	0.2100	0.0000				1		0	
127.05	Histidine, Pre-col AQC Der (%)	0407	0.1245	0.0010				2		0	
127.05	Histidine, Pre-col AQC Der (%)	0870	0.2240	0.0040				2		0	
127.99	Histidine, Miscellaneous (%)	2428	0.2000	0.0400				2		0	
127.99	Histidine, Miscellaneous (%)	0656	0.2300	0.0000				2		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0918	0.2550	0.0100	0.2735	0.0129	0.0092	4		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0504	0.2750	0.0100	0.2735	0.0129	0.0092	4		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0226	0.2796	0.0058	0.2735	0.0129	0.0092	4		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0619	0.2845	0.0110	0.2735	0.0129	0.0092	4		0	
128.02	Isoleucine, Post-col OPA Der (%)	2023	0.2400	0.0000				1		0	
128.05	Isoleucine, Pre-col AQC Der (%)	0870	0.2515	0.0030				2		0	
128.05	Isoleucine, Pre-col AQC Der (%)	0407	0.2630	0.0020				2		0	
128.99	Isoleucine, Miscellaneous (%)	0656	0.2800	0.0000				2		0	
128.99	Isoleucine, Miscellaneous (%)	2428	0.3400	0.2200				2		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0226	0.9025	0.0185	0.9220	0.0180	0.0394	4		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0504	0.9150	0.0300	0.9220	0.0180	0.0394	4		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0619	0.9255	0.0190	0.9220	0.0180	0.0394	4		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0918	0.9450	0.0900	0.9220	0.0180	0.0394	4		0	
129.02	Leucine, Post-col OPA Der (%)	2023	0.8600	0.0000				1		0	
129.05	Leucine, Pre-col AQC Der (%)	0407	0.8680	0.0060				2		0	
129.05	Leucine, Pre-col AQC Der (%)	0870	0.9775	0.0670				2		0	
129.99	Leucine, Miscellaneous (%)	0656	0.8300	0.0000				2		0	
129.99	Leucine, Miscellaneous (%)	2428	0.8900	0.2400				2		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0918	0.2200	0.0000	0.2474	0.0200	0.0101	4		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0504	0.2450	0.0100	0.2474	0.0200	0.0101	4		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0619	0.2605	0.0130	0.2474	0.0200	0.0101	4		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0226	0.2640	0.0074	0.2474	0.0200	0.0101	4		0	
130.02	L-Lysine, Post-col OPA Der (%)	2023	0.2250	0.0100				1		0	
130.05	L-Lysine, Pre-col AQC Der (%)	0407	0.2160	0.0040				2		0	
130.05	L-Lysine, Pre-col AQC Der (%)	0870	0.2580	0.0060				2		0	
130.99	L-Lysine, Miscellaneous (%)	2428	0.2200	0.0200				2		0	

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
130.99	L-Lysine, Miscellaneous (%)	0656	0.2500	0.0000				2		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0226	0.1648	0.0062				3		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0504	0.1800	0.0200				3		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0619	0.1875	0.0110				3		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0918	< 0.01					3		5	
131.02	Methionine, PAO Post-col OPA Der (%)	2023	0.1750	0.0100				1		0	
131.05	Methionine, PAO Pre-col AQC Der (%)	0870	0.2075	0.0110				2		0	
131.05	Methionine, PAO Pre-col AQC Der (%)	0407	0.2347	0.0017				2		0	
131.99	Methionine, Miscellaneous (%)	2428	0.1600	0.0000				2		0	
131.99	Methionine, Miscellaneous (%)	0656	0.1900	0.0000				2		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0619	0.3590	0.0200	0.3691	0.0099	0.0107	4		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0918	0.3650	0.0100	0.3691	0.0099	0.0107	4		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0504	0.3700	0.0000	0.3691	0.0099	0.0107	4		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0226	0.3823	0.0022	0.3691	0.0099	0.0107	4		0	
132.02	Phenylalanine, Post-col OPA Der (%)	2023	0.3000	0.0000				1		0	
132.05	Phenylalanine, Pre-col AQC Der (%)	0407	0.3345	0.0010				2		0	
132.05	Phenylalanine, Pre-col AQC Der (%)	0870	0.3960	0.0220				2		0	
132.99	Phenylalanine, Miscellaneous (%)	2428	0.3000	0.1000				2		0	
132.99	Phenylalanine, Miscellaneous (%)	0656	0.3700	0.0000				2		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0619	0.6570	0.0420	0.6816	0.0299	0.0359	4		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0226	0.6695	0.0015	0.6816	0.0299	0.0359	4		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0504	0.6750	0.0300	0.6816	0.0299	0.0359	4		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0918	0.7250	0.0700	0.6816	0.0299	0.0359	4		0	
133.05	Proline, Pre-col AQC Der (%)	0407	0.6395	0.0010				2		0	
133.05	Proline, Pre-col AQC Der (%)	0870	0.7220	0.0460				2		0	
133.99	Proline, Miscellaneous (%)	2428	0.5750	0.1500				3		0	
133.99	Proline, Miscellaneous (%)	0656	0.7200	0.0000				3		0	
133.99	Proline, Miscellaneous (%)	2023	0.7650	0.0100				3		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0504	0.3550	0.0300	0.3755	0.0147	0.0220	4		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0226	0.3779	0.0041	0.3755	0.0147	0.0220	4		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0619	0.3790	0.0140	0.3755	0.0147	0.0220	4		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0918	0.3900	0.0400	0.3755	0.0147	0.0220	4		0	
134.02	Serine, Post-col OPA Der (%)	2023	0.3600	0.0000				1		0	
134.05	Serine, Pre-col AQC Der (%)	0407	0.2725	0.0230				2		0	
134.05	Serine, Pre-col AQC Der (%)	0870	0.4285	0.0210				2		0	
134.99	Serine, Miscellaneous (%)	2428	0.3750	0.0500				2		0	
134.99	Serine, Miscellaneous (%)	0656	0.3800	0.0000				2		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0619	0.2640	0.0040	0.2765	0.0107	0.0089	4		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0504	0.2750	0.0100	0.2765	0.0107	0.0089	4		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0226	0.2769	0.0017	0.2765	0.0107	0.0089	4		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0918	0.2900	0.0200	0.2765	0.0107	0.0089	4		0	
135.02	Threonine, Post-col OPA Der (%)	2023	0.2500	0.0000				1		0	

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
135.05	Threonine, Pre-col AQC Der (%)	0407	0.2095	0.0030				2		0	
135.05	Threonine, Pre-col AQC Der (%)	0870	0.2950	0.0120				2		0	
135.99	Threonine, Miscellaneous (%)	2428	0.2600	0.0400				2		0	
135.99	Threonine, Miscellaneous (%)	0656	0.2800	0.0000				2		0	
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0619	0.0620	0.0040				2		0	
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0918	0.0750	0.0100				2		0	
136.02	Tryptophan, Alka-Hydrol Post-col OPA De (%)	2023	0.0500	0.0000				1		0	
136.03	Tryptophan, Alka-Hydrol + IS RP LC FI (%)	0226	0.0592	0.0015				1		0	
136.05	Tryptophan, Pre-col AQC Der (%)	0407	0.0715	0.0110				2		0	
136.05	Tryptophan, Pre-col AQC Der (%)	0870	0.1725	0.0090				2		0	
136.99	Tryptophan, Miscellaneous (%)	0504	0.0550	0.0100				2		0	
136.99	Tryptophan, Miscellaneous (%)	2428	0.1500	0.0400				2		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0504	0.1500	0.0000				3		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0918	0.2000	0.0000				3		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0226	0.2637	0.0046				3		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0910	< 0.1					3		5	
137.02	Tyrosine, Post-col OPA Der (%)	2023	0.1700	0.0000				1		0	
137.05	Tyrosine, Pre-col AQC Der (%)	0407	0.1865	0.0690				2		0	
137.05	Tyrosine, Pre-col AQC Der (%)	0870	0.3385	0.0230				2		0	
137.99	Tyrosine, Miscellaneous (%)	2428	0.2000	0.0800				2		0	
137.99	Tyrosine, Miscellaneous (%)	0656	0.3100	0.0000				2		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0504	0.3650	0.0100	0.3821	0.0283	0.0127	4		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0918	0.3650	0.0300	0.3821	0.0283	0.0127	4		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0226	0.3746	0.0047	0.3821	0.0283	0.0127	4		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0619	0.4240	0.0060	0.3821	0.0283	0.0127	4		0	
138.02	Valine, Post-col OPA Der (%)	2023	0.3450	0.0100				1		0	
138.05	Valine, Pre-col AQC Der (%)	0870	0.3600	0.0240				2		0	
138.05	Valine, Pre-col AQC Der (%)	0407	0.4165	0.0030				2		0	
138.99	Valine, Miscellaneous (%)	2428	0.2600	0.0800				2		0	
138.99	Valine, Miscellaneous (%)	0656	0.4100	0.0000				2		0	
139.00	Taurine, Post-col Ninhydrin Der (%)	0504	0.1600	0.0200				1		0	
139.05	Taurine, Pre-col AQC Der (%)	0407	0.0010	0.0000				1		0	
400.01	Water Activity, Aqualab chilled mirror (Units)	0407	0.5823	0.0001				1		0	
413.01	Starch, Resistant, Enzymatic-Colorimetric (%)	0171	63.15	0.8100				1		0	
516.43	Arsenic, Total (As), ICP, Microwave (ppm)	2124	< 0.89					0		5	
516.53	Arsenic, Total (As), ICP-MS, Microwave (ppm)	0407	0.0226	0.0098				1		0	
516.53	Arsenic, Total (As), ICP-MS, Microwave (ppm)	2428	< 0.5					1		5	
518.41	Cadmium, ICP, Dry ash (ppm)	0407	0.0131	0.0025				1		0	
518.43	Cadmium, ICP, Microwave (ppm)	0407	0.0199	0.0177				1		0	
518.43	Cadmium, ICP, Microwave (ppm)	2124	< 0.16					1		5	
518.53	Cadmium, ICP-MS, Microwave (ppm)	0407	0.0039	0.0004				1		0	
518.53	Cadmium, ICP-MS, Microwave (ppm)	2428	< 0.25					1		5	

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Robust* Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
520.41	Chromium, Total (Cr), ICP, Dry ash (ppm)	0407	0.2674	0.0031				1		0	
520.43	Chromium, Total (Cr), ICP, Microwave (ppm)	0510	0.3400	0.2200				2		0	
520.43	Chromium, Total (Cr), ICP, Microwave (ppm)	0407	0.3438	0.0016				2		0	
520.53	Chromium, Total (Cr), ICP-MS, Microwave (ppr)	0407	0.0595	0.0361				1		0	
520.53	Chromium, Total (Cr), ICP-MS, Microwave (ppr)	2428	< 0.5					1		5	
526.41	Lead, ICP, Dry ash (ppm)	0407	0.0401	0.0476				1		0	
526.43	Lead, ICP, Microwave (ppm)	0407	0.2472	0.0288				1		0	
526.53	Lead, ICP-MS, Microwave (ppm)	0407	0.0045	0.0007				1		0	
526.53	Lead, ICP-MS, Microwave (ppm)	2428	< 0.5					1		5	
529.99	Mercury, Miscellaneous (ppb)	0407	1.056	0.0621				1		0	
529.99	Mercury, Miscellaneous (ppb)	2428	< 100					1		5	
539.41	Nickel, ICP, Dry ash (ppm)	0407	0.5381	0.0118				1		0	
539.43	Nickel, ICP, Microwave (ppm)	0407	0.5025	0.0842				1		0	
539.53	Nickel, ICP-MS, Microwave (ppm)	0407	0.4500	0.0201				1		0	
539.53	Nickel, ICP-MS, Microwave (ppm)	2428	< 0.5					1		5	
710.99	Lauric Acid (12:0), Miscellaneous (% (w/w))	0164	< 0.02					0		5	
714.99	Myristic Acid (14:0), Miscellaneous (% (w/w))	0164	< 0.02					0		5	
716.99	Palmitic Acid (16:0), Miscellaneous (% (w/w))	0164	0.2945	0.0010				1		0	
718.99	Palmitoleic Acid (9c-16:1), Miscellaneous (% (w/w))	0164	< 0.02					0		5	
724.99	Oleic Acid (9c-18:1), Miscellaneous (% (w/w))	0164	0.8555	0.0030				1		0	
726.99	Linoleic Acid (9c,12c-18:2), Miscellaneous (% (w/w))	0164	1.641	0.0080				1		0	
728.99	alpha-Linolenic Acid (9c,12c,15c-18:3), Miscellaneous (% (w/w))	0164	0.0360	0.0000				1		0	
742.99	Behenic Acid (22:0), Miscellaneous (% (w/w))	0164	< 0.02					0		5	
754.99	Total n-3 Polyunsaturated (Omega-3) Fatty Acids, Miscellaneous (% (w/w))	0164	0.0360	0.0000				1		0	
756.99	Total n-6 Polyunsaturated (Omega-6) Fatty Acids, Miscellaneous (% (w/w))	0164	1.641	0.0080				1		0	
758.99	Total Saturated Fatty Acids, Miscellaneous (% (w/w))	0164	0.3695	0.0010				1		0	
762.99	Total Monounsaturated Fatty Acids, Miscellaneous (% (w/w))	0164	0.8930	0.0020				1		0	
766.99	Total Polyunsaturated Fatty Acids, Miscellaneous (% (w/w))	0164	1.677	0.0080				1		0	
770.99	Total Fat (equivalent to NLEA), Miscellaneous (% (w/w))	0164	3.076	0.0130				1		0	
772.99	Total Fatty Acids, Miscellaneous (% (w/w))	0164	2.942	0.0130				1		0	

Note 1: Interpreting Z Scores: Red indicates a normally distributed Z value >3 or <-3 (requires action), Orange = Z between 2 and 3 or between -2 and -3 (warning) and Green = Z <= 2 and >= -2 (OK at 95%).

Note 2: Data Not Used Flags: 1=Rejected for duplicates too far apart, 2=Rejected as extreme outlier, 5=Reporting limit (<), 4=Zeros submitted as values and 3=Statistical problem. Flag 0 indicates data used in calculations.

Note 3: *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). A zero range is not included in robust R-bar calculation.