



**AAFCO**  
Association of American Feed Control Officials



**Pet Food Ingredient Scheme**  
**Oats**

**# Labs Reporting: 99**  
**# Methods Reported 202**  
**Issue Date : 03/31/2024**

**Test Material Code # 202441**

**Method Proficiency Testing Report**

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 (%)	0504	8.710	0.2000				3		0	
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0309	8.929	0.0305				3		0	
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0027	8.976	0.0020				3		0	
001.03	Loss on Drying, Low temp. methods (%)	2393	8.875	0.0300				2		0	
001.03	Loss on Drying, Low temp. methods (%)	2124	8.945	0.0700				2		0	
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0876	8.550	0.1000	9.046	0.1638	0.0845	64	-3.03	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2477	8.625	0.0500	9.046	0.1638	0.0845	64	-2.57	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0010	8.700	0.0000	9.046	0.1638	0.0845	64	-2.11	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0845	8.795	0.0300	9.046	0.1638	0.0845	64	-1.53	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2435	8.830	0.0800	9.046	0.1638	0.0845	64	-1.32	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2408	8.835	0.1100	9.046	0.1638	0.0845	64	-1.29	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0142	8.840	0.1400	9.046	0.1638	0.0845	64	-1.26	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2252	8.845	0.2100	9.046	0.1638	0.0845	64	-1.23	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2473	8.890	0.1000	9.046	0.1638	0.0845	64	-0.95	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	1023	8.905	0.0500	9.046	0.1638	0.0845	64	-0.86	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2361	8.905	0.3100	9.046	0.1638	0.0845	64	-0.86	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0226	8.910	0.0800	9.046	0.1638	0.0845	64	-0.83	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0171	8.930	0.0400	9.046	0.1638	0.0845	64	-0.71	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0407	8.935	0.0006	9.046	0.1638	0.0845	64	-0.68	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0028	8.945	0.1100	9.046	0.1638	0.0845	64	-0.61	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2426	8.945	0.0700	9.046	0.1638	0.0845	64	-0.61	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	1022	8.950	0.0400	9.046	0.1638	0.0845	64	-0.58	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0098	8.955	0.3300	9.046	0.1638	0.0845	64	-0.55	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2398	8.960	0.0400	9.046	0.1638	0.0845	64	-0.52	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2439	8.960	0.0400	9.046	0.1638	0.0845	64	-0.52	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2424	8.980	0.0000	9.046	0.1638	0.0845	64	-0.40	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2452	8.980	0.1400	9.046	0.1638	0.0845	64	-0.40	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	1021	8.990	0.0000	9.046	0.1638	0.0845	64	-0.34	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2436	8.995	0.0100	9.046	0.1638	0.0845	64	-0.31	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2219	9.000	0.2400	9.046	0.1638	0.0845	64	-0.28	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2330	9.000	0.1000	9.046	0.1638	0.0845	64	-0.28	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2437	9.000	0.0400	9.046	0.1638	0.0845	64	-0.28	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2418	9.001	0.1990	9.046	0.1638	0.0845	64	-0.27	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 (%)	2478	9.010	0.1200	9.046	0.1638	0.0845	64	-0.22	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	1024	9.015	0.0300	9.046	0.1638	0.0845	64	-0.19	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2438	9.015	0.0100	9.046	0.1638	0.0845	64	-0.19	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2472	9.030	0.0600	9.046	0.1638	0.0845	64	-0.10	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0139	9.040	0.1000	9.046	0.1638	0.0845	64	-0.03	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0581	9.040	0.0800	9.046	0.1638	0.0845	64	-0.03	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2475	9.045	0.2700	9.046	0.1638	0.0845	64	0.00	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2474	9.050	0.1000	9.046	0.1638	0.0845	64	0.03	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2416	9.055	0.1700	9.046	0.1638	0.0845	64	0.06	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2417	9.055	0.1300	9.046	0.1638	0.0845	64	0.06	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2420	9.075	0.2100	9.046	0.1638	0.0845	64	0.18	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	1020	9.080	0.0200	9.046	0.1638	0.0845	64	0.21	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2124	9.080	0.0000	9.046	0.1638	0.0845	64	0.21	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2293	9.080	0.2600	9.046	0.1638	0.0845	64	0.21	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2220	9.090	0.0800	9.046	0.1638	0.0845	64	0.27	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2419	9.105	0.3700	9.046	0.1638	0.0845	64	0.36	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2441	9.105	0.0100	9.046	0.1638	0.0845	64	0.36	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2421	9.120	0.0800	9.046	0.1638	0.0845	64	0.45	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2422	9.120	0.0200	9.046	0.1638	0.0845	64	0.45	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2480	9.125	0.0500	9.046	0.1638	0.0845	64	0.48	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0003	9.130	0.1000	9.046	0.1638	0.0845	64	0.52	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2362	9.130	0.0400	9.046	0.1638	0.0845	64	0.52	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2396	9.165	0.2900	9.046	0.1638	0.0845	64	0.73	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2380	9.185	0.0100	9.046	0.1638	0.0845	64	0.85	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2479	9.215	0.0100	9.046	0.1638	0.0845	64	1.03	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2469	9.240	0.0200	9.046	0.1638	0.0845	64	1.19	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2470	9.245	0.0300	9.046	0.1638	0.0845	64	1.22	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2399	9.260	0.0400	9.046	0.1638	0.0845	64	1.31	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2444	9.290	0.0000	9.046	0.1638	0.0845	64	1.49	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2471	9.310	0.0200	9.046	0.1638	0.0845	64	1.61	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2156	9.315	0.0300	9.046	0.1638	0.0845	64	1.64	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2385	9.330	0.0000	9.046	0.1638	0.0845	64	1.74	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2382	9.370	0.0200	9.046	0.1638	0.0845	64	1.98	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2445	9.395	0.0300	9.046	0.1638	0.0845	64	2.13	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0074	9.450	0.0000	9.046	0.1638	0.0845	64	2.47	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2331	9.945	0.1100	9.046	0.1638	0.0845	64	5.49	5%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0613	7.425	0.9500	9.046	0.1638	0.0845	64	-9.90	9%	2
001.99	Loss on Drying, Miscellaneous (%)	2155	7.775	0.0300	8.480	0.7563	0.1000	4			0
001.99	Loss on Drying, Miscellaneous (%)	0889	7.890	0.1600	8.480	0.7563	0.1000	4			0
001.99	Loss on Drying, Miscellaneous (%)	0510	9.000	0.0000	8.480	0.7563	0.1000	4			0
001.99	Loss on Drying, Miscellaneous (%)	0914	9.255	0.1100	8.480	0.7563	0.1000	4			0
002.00	Protein, Crude, Crude (%)	0845	14.19	0.3800				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			
002.01	Protein, Crude, Auto Kjell-Foss (%)	2445	12.89	0.0100	13.12	0.1804	0.1115	4			0
002.01	Protein, Crude, Auto Kjell-Foss (%)	0889	13.11	0.0700	13.12	0.1804	0.1115	4			0
002.01	Protein, Crude, Auto Kjell-Foss (%)	0870	13.17	0.2660	13.12	0.1804	0.1115	4			0
002.01	Protein, Crude, Auto Kjell-Foss (%)	2373	13.32	0.1000	13.12	0.1804	0.1115	4			0
002.04	Protein, Crude, Copper Catalyst (%)	0504	12.49	0.7300				1			0
002.05	Protein, Crude, Copper, Boric Acid (%)	0407	12.64	0.0360				2			0
002.05	Protein, Crude, Copper, Boric Acid (%)	2393	12.81	0.1100				2			0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0613	12.42	0.3000	12.95	0.1696	0.1375	86	-3.13	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0510	12.50	0.0000	12.95	0.1696	0.1375	86	-2.66	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0529	12.52	0.1100	12.95	0.1696	0.1375	86	-2.57	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0098	12.70	0.2000	12.95	0.1696	0.1375	86	-1.48	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2490	12.71	0.0200	12.95	0.1696	0.1375	86	-1.42	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2399	12.72	0.0980	12.95	0.1696	0.1375	86	-1.34	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0139	12.74	0.1880	12.95	0.1696	0.1375	86	-1.26	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2462	12.75	0.1000	12.95	0.1696	0.1375	86	-1.18	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0028	12.76	0.1700	12.95	0.1696	0.1375	86	-1.15	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2361	12.76	0.1300	12.95	0.1696	0.1375	86	-1.15	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2089	12.77	0.0000	12.95	0.1696	0.1375	86	-1.06	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2491	12.77	0.1200	12.95	0.1696	0.1375	86	-1.06	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2330	12.78	0.0700	12.95	0.1696	0.1375	86	-1.03	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2475	12.78	0.1010	12.95	0.1696	0.1375	86	-0.99	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2362	12.79	0.0100	12.95	0.1696	0.1375	86	-0.98	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2486	12.79	0.0900	12.95	0.1696	0.1375	86	-0.98	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2408	12.79	0.0400	12.95	0.1696	0.1375	86	-0.95	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0074	12.80	0.3200	12.95	0.1696	0.1375	86	-0.89	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2156	12.81	0.0700	12.95	0.1696	0.1375	86	-0.86	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2220	12.81	0.1600	12.95	0.1696	0.1375	86	-0.83	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2426	12.82	0.1300	12.95	0.1696	0.1375	86	-0.80	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2124	12.82	0.4800	12.95	0.1696	0.1375	86	-0.77	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0914	12.83	0.3200	12.95	0.1696	0.1375	86	-0.71	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2396	12.84	0.1200	12.95	0.1696	0.1375	86	-0.65	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0208	12.85	0.3000	12.95	0.1696	0.1375	86	-0.59	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2293	12.85	0.2000	12.95	0.1696	0.1375	86	-0.59	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	1021	12.85	0.5190	12.95	0.1696	0.1375	86	-0.58	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2474	12.87	0.0300	12.95	0.1696	0.1375	86	-0.50	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2331	12.88	0.0510	12.95	0.1696	0.1375	86	-0.44	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2385	12.90	0.0100	12.95	0.1696	0.1375	86	-0.33	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0027	12.90	0.3000	12.95	0.1696	0.1375	86	-0.31	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0010	12.90	0.0000	12.95	0.1696	0.1375	86	-0.30	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2463	12.90	0.0000	12.95	0.1696	0.1375	86	-0.30	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	1024	12.91	0.0570	12.95	0.1696	0.1375	86	-0.25	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0003	12.91	0.0800	12.95	0.1696	0.1375	86	-0.24	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	2312	12.91	0.5400	12.95	0.1696	0.1375	86	-0.24	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	1022	12.92	0.2300	12.95	0.1696	0.1375	86	-0.20	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0309	12.92	0.0905	12.95	0.1696	0.1375	86	-0.18	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0511	12.93	0.3100	12.95	0.1696	0.1375	86	-0.15	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2219	12.93	0.0800	12.95	0.1696	0.1375	86	-0.12	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2420	12.93	0.1970	12.95	0.1696	0.1375	86	-0.10	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2418	12.94	0.0900	12.95	0.1696	0.1375	86	-0.08	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2380	12.94	0.1200	12.95	0.1696	0.1375	86	-0.06	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2252	12.95	0.1600	12.95	0.1696	0.1375	86	0.00	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2444	12.95	0.1000	12.95	0.1696	0.1375	86	0.00	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2460	12.95	0.3000	12.95	0.1696	0.1375	86	0.00	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2477	12.95	0.1740	12.95	0.1696	0.1375	86	0.01	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2471	12.96	0.2300	12.95	0.1696	0.1375	86	0.03	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2417	12.96	0.0080	12.95	0.1696	0.1375	86	0.03	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2424	12.96	0.2880	12.95	0.1696	0.1375	86	0.03	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2441	12.97	0.1500	12.95	0.1696	0.1375	86	0.09	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2469	12.97	0.0100	12.95	0.1696	0.1375	86	0.09	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2419	13.01	0.3700	12.95	0.1696	0.1375	86	0.32	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2452	13.01	0.1420	12.95	0.1696	0.1375	86	0.37	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0047	13.02	0.0100	12.95	0.1696	0.1375	86	0.38	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0870	13.03	0.0187	12.95	0.1696	0.1375	86	0.46	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2421	13.03	0.0150	12.95	0.1696	0.1375	86	0.46	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2470	13.03	0.1400	12.95	0.1696	0.1375	86	0.47	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2398	13.04	0.1480	12.95	0.1696	0.1375	86	0.52	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2437	13.04	0.0800	12.95	0.1696	0.1375	86	0.53	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2422	13.04	0.1250	12.95	0.1696	0.1375	86	0.53	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	1020	13.04	0.1130	12.95	0.1696	0.1375	86	0.55	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2416	13.06	0.1350	12.95	0.1696	0.1375	86	0.63	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0504	13.06	0.1600	12.95	0.1696	0.1375	86	0.65	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2439	13.08	0.0100	12.95	0.1696	0.1375	86	0.73	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0876	13.10	0.0000	12.95	0.1696	0.1375	86	0.88	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2461	13.10	0.2000	12.95	0.1696	0.1375	86	0.88	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0226	13.10	0.2800	12.95	0.1696	0.1375	86	0.88	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	1023	13.10	0.2130	12.95	0.1696	0.1375	86	0.91	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2472	13.11	0.0900	12.95	0.1696	0.1375	86	0.91	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2478	13.11	0.0480	12.95	0.1696	0.1375	86	0.92	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2473	13.12	0.1500	12.95	0.1696	0.1375	86	0.97	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2438	13.12	0.1300	12.95	0.1696	0.1375	86	0.97	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2435	13.13	0.0500	12.95	0.1696	0.1375	86	1.03	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0171	13.13	0.0600	12.95	0.1696	0.1375	86	1.06	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2436	13.13	0.0000	12.95	0.1696	0.1375	86	1.06	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2382	13.15	0.0500	12.95	0.1696	0.1375	86	1.15	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	
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0142	13.16	0.0800	12.95	0.1696	0.1375	86	1.24	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	1019	13.19	0.0900	12.95	0.1696	0.1375	86	1.38	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2480	13.24	0.2030	12.95	0.1696	0.1375	86	1.73	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2459	13.29	0.0600	12.95	0.1696	0.1375	86	2.00	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0001	13.30	0.1200	12.95	0.1696	0.1375	86	2.06	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0407	13.45	0.2440	12.95	0.1696	0.1375	86	2.97	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0508	13.49	0.1100	12.95	0.1696	0.1375	86	3.18	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	0034	13.61	0.1310	12.95	0.1696	0.1375	86	3.88	3%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2479	13.78	0.1700	12.95	0.1696	0.1375	86	4.86	3%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2155	13.94	1.337	12.95	0.1696	0.1375	86	5.86	4%	1
002.06	Protein, Crude, Combustion Nitrogen Analyzer	2476	10.69	0.2970	12.95	0.1696	0.1375	86	-13.30	9%	2
002.08	Protein, Crude, Cu/Ti (%)	0098	13.21	0.1900				1			0
002.11	Protein, Crude, NIR (%)	0889	10.79	0.0900				2			0
002.11	Protein, Crude, NIR (%)	0613	12.81	0.1700				2			0
002.99	Protein, Crude, Miscellaneous (%)	0160	13.30	0.8000				1			0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2477	4.465	0.0900	4.703	0.1933	0.1017	14	-1.23	3%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2419	4.480	0.3200	4.703	0.1933	0.1017	14	-1.15	2%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2422	4.525	0.3300	4.703	0.1933	0.1017	14	-0.92	2%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2418	4.640	0.0525	4.703	0.1933	0.1017	14	-0.33	1%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2452	4.640	0.0000	4.703	0.1933	0.1017	14	-0.33	1%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2420	4.650	0.0200	4.703	0.1933	0.1017	14	-0.27	1%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2424	4.655	0.0500	4.703	0.1933	0.1017	14	-0.25	1%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2416	4.655	0.0700	4.703	0.1933	0.1017	14	-0.25	1%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2426	4.655	0.0700	4.703	0.1933	0.1017	14	-0.25	1%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2417	4.775	0.0100	4.703	0.1933	0.1017	14	0.37	1%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2475	4.835	0.2100	4.703	0.1933	0.1017	14	0.68	1%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2220	4.880	0.1000	4.703	0.1933	0.1017	14	0.92	2%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	0309	5.157	0.0320	4.703	0.1933	0.1017	14	2.35	5%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	1020	6.200	0.1400	4.703	0.1933	0.1017	14	7.75	16%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2421	4.495	0.8700	4.703	0.1933	0.1017	14	-1.08	2%	1
003.01	Fat, Crude, Diethyl Ether Ext (13th ed.), Indirec	0504	4.110	0.1600				1			0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	2331	3.280	0.0600	4.741	0.1947	0.1413	17	-7.50	15%	0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	2479	4.380	0.0400	4.741	0.1947	0.1413	17	-1.85	4%	0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	2480	4.495	0.0100	4.741	0.1947	0.1413	17	-1.26	3%	0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	1023	4.595	0.0300	4.741	0.1947	0.1413	17	-0.75	2%	0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	2474	4.675	0.0100	4.741	0.1947	0.1413	17	-0.34	1%	0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	2441	4.680	0.0200	4.741	0.1947	0.1413	17	-0.31	1%	0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	2361	4.720	0.1600	4.741	0.1947	0.1413	17	-0.11	0%	0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	2293	4.725	0.0500	4.741	0.1947	0.1413	17	-0.08	0%	0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	2219	4.765	0.0700	4.741	0.1947	0.1413	17	0.12	0%	0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	2330	4.790	0.1800	4.741	0.1947	0.1413	17	0.25	1%	0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0098	4.825	0.4500	4.741	0.1947	0.1413	17	0.43	1%	0

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003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	2476	4.827	0.0450	4.741	0.1947	0.1413	17	0.44	1%	0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	2252	4.835	0.3500	4.741	0.1947	0.1413	17	0.48	1%	0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	2156	4.865	0.4100	4.741	0.1947	0.1413	17	0.64	1%	0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	2362	4.870	0.3400	4.741	0.1947	0.1413	17	0.66	1%	0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0160	5.000	0.0000	4.741	0.1947	0.1413	17	1.33	3%	0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	2398	6.125	0.1300	4.741	0.1947	0.1413	17	7.11	15%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2478	4.645	0.0300	4.844	0.1984	0.0605	5			0
003.10	Fat, Crude, Randall, Pet Ether (%)	2155	4.653	0.1080	4.844	0.1984	0.0605	5			0
003.10	Fat, Crude, Randall, Pet Ether (%)	0098	4.830	0.0400	4.844	0.1984	0.0605	5			0
003.10	Fat, Crude, Randall, Pet Ether (%)	0870	5.041	0.0846	4.844	0.1984	0.0605	5			0
003.10	Fat, Crude, Randall, Pet Ether (%)	0889	5.050	0.0400	4.844	0.1984	0.0605	5			0
003.11	Fat, Crude, NIR (%)	0889	3.655	0.0300				2			0
003.11	Fat, Crude, NIR (%)	0613	6.485	2.950				2			0
003.12	Fat, Crude, Hexane Ext (%)	0171	4.940	0.0400				1			0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	0870	4.913	0.0019				2			0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	0098	4.980	0.1200				2			0
003.14	Fat, Crude, Ankom (%)	2459	2.785	0.7700	4.319	0.9329	0.1893	15	-1.64	18%	0
003.14	Fat, Crude, Ankom (%)	2445	2.910	0.0600	4.319	0.9329	0.1893	15	-1.51	16%	0
003.14	Fat, Crude, Ankom (%)	0003	3.310	0.1000	4.319	0.9329	0.1893	15	-1.08	12%	0
003.14	Fat, Crude, Ankom (%)	0613	3.440	0.2600	4.319	0.9329	0.1893	15	-0.94	10%	0
003.14	Fat, Crude, Ankom (%)	2302	3.825	0.3300	4.319	0.9329	0.1893	15	-0.53	6%	0
003.14	Fat, Crude, Ankom (%)	0026	4.440	0.1200	4.319	0.9329	0.1893	15	0.13	1%	0
003.14	Fat, Crude, Ankom (%)	0511	4.620	0.3800	4.319	0.9329	0.1893	15	0.32	3%	0
003.14	Fat, Crude, Ankom (%)	0407	4.645	0.0203	4.319	0.9329	0.1893	15	0.35	4%	0
003.14	Fat, Crude, Ankom (%)	0171	4.685	0.0900	4.319	0.9329	0.1893	15	0.39	4%	0
003.14	Fat, Crude, Ankom (%)	0876	4.750	0.5000	4.319	0.9329	0.1893	15	0.46	5%	0
003.14	Fat, Crude, Ankom (%)	0581	4.755	0.1100	4.319	0.9329	0.1893	15	0.47	5%	0
003.14	Fat, Crude, Ankom (%)	0034	4.830	0.0200	4.319	0.9329	0.1893	15	0.55	6%	0
003.14	Fat, Crude, Ankom (%)	0529	4.920	0.2400	4.319	0.9329	0.1893	15	0.64	7%	0
003.14	Fat, Crude, Ankom (%)	0510	5.330	0.1800	4.319	0.9329	0.1893	15	1.08	12%	0
003.14	Fat, Crude, Ankom (%)	0226	5.395	0.0300	4.319	0.9329	0.1893	15	1.15	12%	0
003.99	Fat, Crude, Miscellaneous (%)	1019	2.270	0.6400				2			0
003.99	Fat, Crude, Miscellaneous (%)	2393	4.505	0.3100				2			0
004.00	Fiber, Crude, Asbestos Free (%)	0309	8.066	0.0497	8.079	0.0153	0.1274	4			0
004.00	Fiber, Crude, Asbestos Free (%)	0171	8.070	0.2400	8.079	0.0153	0.1274	4			0
004.00	Fiber, Crude, Asbestos Free (%)	2490	8.080	0.0400	8.079	0.0153	0.1274	4			0
004.00	Fiber, Crude, Asbestos Free (%)	0208	8.100	0.1800	8.079	0.0153	0.1274	4			0
004.00	Fiber, Crude, Asbestos Free (%)	2491	8.310	0.5200	8.079	0.0153	0.1274	4			2
004.03	Fiber, Crude, Fritted Glass (%)	2089	8.015	0.4900				1			0
004.06	Fiber, Crude, Fibertec (%)	0027	7.996	0.1340				2			0
004.06	Fiber, Crude, Fibertec (%)	2393	9.220	0.0000				2			0
004.07	Fiber, Crude, ANKOM (%)	0407	6.873	0.5556	8.242	1.088	0.3772	22	-1.26	8%	0

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004.07	Fiber, Crude, ANKOM (%)	0510	7.000	0.0000	8.242	1.088	0.3772	22	-1.14	8%	0
004.07	Fiber, Crude, ANKOM (%)	0003	7.120	1.660	8.242	1.088	0.3772	22	-1.03	7%	0
004.07	Fiber, Crude, ANKOM (%)	0028	7.200	0.4000	8.242	1.088	0.3772	22	-0.96	6%	0
004.07	Fiber, Crude, ANKOM (%)	0026	7.250	0.1000	8.242	1.088	0.3772	22	-0.91	6%	0
004.07	Fiber, Crude, ANKOM (%)	2445	7.410	0.1000	8.242	1.088	0.3772	22	-0.76	5%	0
004.07	Fiber, Crude, ANKOM (%)	0511	7.700	1.000	8.242	1.088	0.3772	22	-0.50	3%	0
004.07	Fiber, Crude, ANKOM (%)	0876	8.000	0.2000	8.242	1.088	0.3772	22	-0.22	1%	0
004.07	Fiber, Crude, ANKOM (%)	2312	8.000	0.2000	8.242	1.088	0.3772	22	-0.22	1%	0
004.07	Fiber, Crude, ANKOM (%)	2486	8.040	0.0800	8.242	1.088	0.3772	22	-0.19	1%	0
004.07	Fiber, Crude, ANKOM (%)	0504	8.080	0.1000	8.242	1.088	0.3772	22	-0.15	1%	0
004.07	Fiber, Crude, ANKOM (%)	0074	8.150	0.3600	8.242	1.088	0.3772	22	-0.08	1%	0
004.07	Fiber, Crude, ANKOM (%)	0226	8.160	0.0400	8.242	1.088	0.3772	22	-0.08	0%	0
004.07	Fiber, Crude, ANKOM (%)	0870	8.278	0.0655	8.242	1.088	0.3772	22	0.03	0%	0
004.07	Fiber, Crude, ANKOM (%)	0034	8.310	0.2000	8.242	1.088	0.3772	22	0.06	0%	0
004.07	Fiber, Crude, ANKOM (%)	2124	8.450	0.9200	8.242	1.088	0.3772	22	0.19	1%	0
004.07	Fiber, Crude, ANKOM (%)	0160	8.650	1.500	8.242	1.088	0.3772	22	0.37	2%	0
004.07	Fiber, Crude, ANKOM (%)	2476	9.526	0.0080	8.242	1.088	0.3772	22	1.18	8%	0
004.07	Fiber, Crude, ANKOM (%)	0581	9.630	0.0600	8.242	1.088	0.3772	22	1.27	8%	0
004.07	Fiber, Crude, ANKOM (%)	0613	9.755	1.450	8.242	1.088	0.3772	22	1.39	9%	0
004.07	Fiber, Crude, ANKOM (%)	0529	10.72	0.0200	8.242	1.088	0.3772	22	2.28	15%	0
004.07	Fiber, Crude, ANKOM (%)	0914	10.90	0.4000	8.242	1.088	0.3772	22	2.44	16%	0
004.07	Fiber, Crude, ANKOM (%)	0889	0.0000	0.0000	8.242	1.088	0.3772	22			4
004.11	Fiber, Crude, NIR (%)	0889	6.598	0.0550				2			0
004.11	Fiber, Crude, NIR (%)	0613	7.550	0.9400				2			0
005.00	Ash, 2h @ 600°C (%)	1020	2.015	0.2100	2.204	0.0506	0.0391	55	-3.73	4%	0
005.00	Ash, 2h @ 600°C (%)	0142	2.065	0.1300	2.204	0.0506	0.0391	55	-2.74	3%	0
005.00	Ash, 2h @ 600°C (%)	0171	2.105	0.0100	2.204	0.0506	0.0391	55	-1.95	2%	0
005.00	Ash, 2h @ 600°C (%)	2124	2.125	0.1100	2.204	0.0506	0.0391	55	-1.56	2%	0
005.00	Ash, 2h @ 600°C (%)	2220	2.125	0.2100	2.204	0.0506	0.0391	55	-1.56	2%	0
005.00	Ash, 2h @ 600°C (%)	0208	2.130	0.0000	2.204	0.0506	0.0391	55	-1.46	2%	0
005.00	Ash, 2h @ 600°C (%)	0160	2.140	0.0400	2.204	0.0506	0.0391	55	-1.26	1%	0
005.00	Ash, 2h @ 600°C (%)	2382	2.145	0.0500	2.204	0.0506	0.0391	55	-1.16	1%	0
005.00	Ash, 2h @ 600°C (%)	2396	2.145	0.1900	2.204	0.0506	0.0391	55	-1.16	1%	0
005.00	Ash, 2h @ 600°C (%)	0309	2.150	0.0192	2.204	0.0506	0.0391	55	-1.07	1%	0
005.00	Ash, 2h @ 600°C (%)	2445	2.155	0.0100	2.204	0.0506	0.0391	55	-0.97	1%	0
005.00	Ash, 2h @ 600°C (%)	2471	2.160	0.0200	2.204	0.0506	0.0391	55	-0.87	1%	0
005.00	Ash, 2h @ 600°C (%)	2385	2.165	0.0100	2.204	0.0506	0.0391	55	-0.77	1%	0
005.00	Ash, 2h @ 600°C (%)	2476	2.171	0.0510	2.204	0.0506	0.0391	55	-0.66	1%	0
005.00	Ash, 2h @ 600°C (%)	0026	2.175	0.0100	2.204	0.0506	0.0391	55	-0.57	1%	0
005.00	Ash, 2h @ 600°C (%)	0047	2.175	0.0300	2.204	0.0506	0.0391	55	-0.57	1%	0
005.00	Ash, 2h @ 600°C (%)	0870	2.176	0.0142	2.204	0.0506	0.0391	55	-0.56	1%	0
005.00	Ash, 2h @ 600°C (%)	2219	2.180	0.1000	2.204	0.0506	0.0391	55	-0.47	1%	0

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005.00	Ash, 2h @ 600°C (%)	2469	2.185	0.0100	2.204	0.0506	0.0391	55	-0.37	0%	0
005.00	Ash, 2h @ 600°C (%)	0407	2.190	0.0182	2.204	0.0506	0.0391	55	-0.28	0%	0
005.00	Ash, 2h @ 600°C (%)	2380	2.190	0.0200	2.204	0.0506	0.0391	55	-0.27	0%	0
005.00	Ash, 2h @ 600°C (%)	2479	2.190	0.0200	2.204	0.0506	0.0391	55	-0.27	0%	0
005.00	Ash, 2h @ 600°C (%)	0529	2.200	0.0000	2.204	0.0506	0.0391	55	-0.08	0%	0
005.00	Ash, 2h @ 600°C (%)	0876	2.200	0.0000	2.204	0.0506	0.0391	55	-0.08	0%	0
005.00	Ash, 2h @ 600°C (%)	2459	2.200	0.0200	2.204	0.0506	0.0391	55	-0.08	0%	0
005.00	Ash, 2h @ 600°C (%)	2302	2.205	0.0100	2.204	0.0506	0.0391	55	0.02	0%	0
005.00	Ash, 2h @ 600°C (%)	2393	2.205	0.0700	2.204	0.0506	0.0391	55	0.02	0%	0
005.00	Ash, 2h @ 600°C (%)	0098	2.210	0.0000	2.204	0.0506	0.0391	55	0.12	0%	0
005.00	Ash, 2h @ 600°C (%)	2330	2.210	0.0400	2.204	0.0506	0.0391	55	0.12	0%	0
005.00	Ash, 2h @ 600°C (%)	2331	2.215	0.0900	2.204	0.0506	0.0391	55	0.22	0%	0
005.00	Ash, 2h @ 600°C (%)	2398	2.215	0.0300	2.204	0.0506	0.0391	55	0.22	0%	0
005.00	Ash, 2h @ 600°C (%)	2491	2.216	0.0040	2.204	0.0506	0.0391	55	0.24	0%	0
005.00	Ash, 2h @ 600°C (%)	2373	2.225	0.0700	2.204	0.0506	0.0391	55	0.42	0%	0
005.00	Ash, 2h @ 600°C (%)	0001	2.231	0.0300	2.204	0.0506	0.0391	55	0.53	1%	0
005.00	Ash, 2h @ 600°C (%)	1022	2.235	0.0100	2.204	0.0506	0.0391	55	0.61	1%	0
005.00	Ash, 2h @ 600°C (%)	2089	2.235	0.0700	2.204	0.0506	0.0391	55	0.61	1%	0
005.00	Ash, 2h @ 600°C (%)	2475	2.235	0.0100	2.204	0.0506	0.0391	55	0.61	1%	0
005.00	Ash, 2h @ 600°C (%)	2490	2.235	0.0700	2.204	0.0506	0.0391	55	0.61	1%	0
005.00	Ash, 2h @ 600°C (%)	0504	2.240	0.0200	2.204	0.0506	0.0391	55	0.71	1%	0
005.00	Ash, 2h @ 600°C (%)	2156	2.240	0.0000	2.204	0.0506	0.0391	55	0.71	1%	0
005.00	Ash, 2h @ 600°C (%)	2362	2.240	0.0400	2.204	0.0506	0.0391	55	0.71	1%	0
005.00	Ash, 2h @ 600°C (%)	2441	2.240	0.0200	2.204	0.0506	0.0391	55	0.71	1%	0
005.00	Ash, 2h @ 600°C (%)	2480	2.240	0.0400	2.204	0.0506	0.0391	55	0.71	1%	0
005.00	Ash, 2h @ 600°C (%)	2486	2.240	0.0200	2.204	0.0506	0.0391	55	0.71	1%	0
005.00	Ash, 2h @ 600°C (%)	0027	2.244	0.0460	2.204	0.0506	0.0391	55	0.79	1%	0
005.00	Ash, 2h @ 600°C (%)	2293	2.245	0.0300	2.204	0.0506	0.0391	55	0.81	1%	0
005.00	Ash, 2h @ 600°C (%)	2474	2.245	0.0100	2.204	0.0506	0.0391	55	0.81	1%	0
005.00	Ash, 2h @ 600°C (%)	2477	2.245	0.0100	2.204	0.0506	0.0391	55	0.81	1%	0
005.00	Ash, 2h @ 600°C (%)	2252	2.250	0.0000	2.204	0.0506	0.0391	55	0.91	1%	0
005.00	Ash, 2h @ 600°C (%)	2361	2.255	0.0300	2.204	0.0506	0.0391	55	1.01	1%	0
005.00	Ash, 2h @ 600°C (%)	2408	2.255	0.0300	2.204	0.0506	0.0391	55	1.01	1%	0
005.00	Ash, 2h @ 600°C (%)	2478	2.265	0.0100	2.204	0.0506	0.0391	55	1.21	1%	0
005.00	Ash, 2h @ 600°C (%)	0510	2.295	0.1700	2.204	0.0506	0.0391	55	1.80	2%	0
005.00	Ash, 2h @ 600°C (%)	1019	2.300	0.2400	2.204	0.0506	0.0391	55	1.90	2%	0
005.00	Ash, 2h @ 600°C (%)	0226	2.520	0.0400	2.204	0.0506	0.0391	55	6.24	7%	0
005.00	Ash, 2h @ 600°C (%)	2312	2.455	0.4900	2.204	0.0506	0.0391	55	4.96	6%	1
005.03	Ash, Microwave furnace (%)	2436	2.225	0.0700	2.245	0.0198	0.0483	8	-1.01	0%	0
005.03	Ash, Microwave furnace (%)	2437	2.230	0.0200	2.245	0.0198	0.0483	8	-0.76	0%	0
005.03	Ash, Microwave furnace (%)	2438	2.235	0.0300	2.245	0.0198	0.0483	8	-0.50	0%	0
005.03	Ash, Microwave furnace (%)	2439	2.235	0.0100	2.245	0.0198	0.0483	8	-0.50	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	
005.03	Ash, Microwave furnace (%)	2435	2.245	0.0700	2.245	0.0198	0.0483	8	0.00	0%	0
005.03	Ash, Microwave furnace (%)	2473	2.250	0.0000	2.245	0.0198	0.0483	8	0.26	0%	0
005.03	Ash, Microwave furnace (%)	2472	2.265	0.0900	2.245	0.0198	0.0483	8	1.01	0%	0
005.03	Ash, Microwave furnace (%)	0511	2.300	0.0000	2.245	0.0198	0.0483	8	2.79	1%	0
005.05	Ash, 3h @ 550°C (%)	2444	2.160	0.0000	2.220	0.0412	0.0322	20	-1.46	1%	0
005.05	Ash, 3h @ 550°C (%)	0889	2.170	0.0200	2.220	0.0412	0.0322	20	-1.22	1%	0
005.05	Ash, 3h @ 550°C (%)	2399	2.170	0.0400	2.220	0.0412	0.0322	20	-1.22	1%	0
005.05	Ash, 3h @ 550°C (%)	0003	2.185	0.0500	2.220	0.0412	0.0322	20	-0.86	1%	0
005.05	Ash, 3h @ 550°C (%)	0139	2.190	0.0000	2.220	0.0412	0.0322	20	-0.73	1%	0
005.05	Ash, 3h @ 550°C (%)	0845	2.190	0.0200	2.220	0.0412	0.0322	20	-0.73	1%	0
005.05	Ash, 3h @ 550°C (%)	2422	2.195	0.0100	2.220	0.0412	0.0322	20	-0.61	1%	0
005.05	Ash, 3h @ 550°C (%)	0034	2.215	0.0300	2.220	0.0412	0.0322	20	-0.13	0%	0
005.05	Ash, 3h @ 550°C (%)	2418	2.218	0.0192	2.220	0.0412	0.0322	20	-0.05	0%	0
005.05	Ash, 3h @ 550°C (%)	1021	2.220	0.0000	2.220	0.0412	0.0322	20	-0.01	0%	0
005.05	Ash, 3h @ 550°C (%)	1024	2.225	0.0100	2.220	0.0412	0.0322	20	0.11	0%	0
005.05	Ash, 3h @ 550°C (%)	2424	2.225	0.0100	2.220	0.0412	0.0322	20	0.11	0%	0
005.05	Ash, 3h @ 550°C (%)	1023	2.235	0.0100	2.220	0.0412	0.0322	20	0.36	0%	0
005.05	Ash, 3h @ 550°C (%)	2419	2.235	0.1100	2.220	0.0412	0.0322	20	0.36	0%	0
005.05	Ash, 3h @ 550°C (%)	2420	2.235	0.0300	2.220	0.0412	0.0322	20	0.36	0%	0
005.05	Ash, 3h @ 550°C (%)	2452	2.245	0.0300	2.220	0.0412	0.0322	20	0.60	1%	0
005.05	Ash, 3h @ 550°C (%)	2417	2.260	0.0400	2.220	0.0412	0.0322	20	0.96	1%	0
005.05	Ash, 3h @ 550°C (%)	2426	2.275	0.0300	2.220	0.0412	0.0322	20	1.33	1%	0
005.05	Ash, 3h @ 550°C (%)	2416	2.275	0.0700	2.220	0.0412	0.0322	20	1.33	1%	0
005.05	Ash, 3h @ 550°C (%)	2421	2.305	0.1500	2.220	0.0412	0.0322	20	2.05	2%	0
005.05	Ash, 3h @ 550°C (%)	2470	20.47	1.108	2.220	0.0412	0.0322	20	>100	411%	2
005.11	Ash, NIR (%)	0889	2.838	0.2050				2			0
005.11	Ash, NIR (%)	0613	4.985	1.550				2			0
005.99	Ash, Miscellaneous (%)	0914	2.100	0.0800				2			0
005.99	Ash, Miscellaneous (%)	0613	2.290	0.0600				2			0
006.00	Total Sugars, As sucrose (%)	0407	1.645	0.0310				1			0
008.02	Fiber, Acid Detergent, Crucible (%)	2089	10.05	0.3400	11.79	1.601	0.2103	4			0
008.02	Fiber, Acid Detergent, Crucible (%)	0309	10.82	0.0311	11.79	1.601	0.2103	4			0
008.02	Fiber, Acid Detergent, Crucible (%)	0226	13.11	0.2100	11.79	1.601	0.2103	4			0
008.02	Fiber, Acid Detergent, Crucible (%)	0171	13.20	0.2600	11.79	1.601	0.2103	4			0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0889	9.190	0.0200	10.96	1.197	0.4100	11	-1.48	8%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	2445	9.385	0.2300	10.96	1.197	0.4100	11	-1.31	7%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0160	10.09	0.4200	10.96	1.197	0.4100	11	-0.73	4%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0001	10.86	0.2750	10.96	1.197	0.4100	11	-0.08	0%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0026	10.95	0.2500	10.96	1.197	0.4100	11	-0.01	0%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0407	11.17	0.2000	10.96	1.197	0.4100	11	0.18	1%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0870	11.33	0.7145	10.96	1.197	0.4100	11	0.31	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0613	11.40	0.6000	10.96	1.197	0.4100	11	0.37	2%	0

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			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0511	11.55	0.5000	10.96	1.197	0.4100	11	0.49	3%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0504	11.87	1.730	10.96	1.197	0.4100	11	0.76	4%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0581	15.07	0.4800	10.96	1.197	0.4100	11	3.43	19%	0
008.99	Fiber, Acid Detergent, Miscellaneous (%)	0027	11.14	0.1610				1			0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat	2089	22.91	0.1100				3			0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat	0226	23.93	0.4000				3			0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat	0309	25.42	0.3116				3			0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0160	20.10	0.6000	22.04	1.666	0.4590	8	-1.16	4%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	2445	20.54	0.1800	22.04	1.666	0.4590	8	-0.90	3%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0889	20.92	0.2200	22.04	1.666	0.4590	8	-0.67	3%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0870	21.94	0.3919	22.04	1.666	0.4590	8	-0.06	0%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0581	22.53	1.910	22.04	1.666	0.4590	8	0.29	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0407	22.82	0.0223	22.04	1.666	0.4590	8	0.47	2%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0613	22.92	0.8100	22.04	1.666	0.4590	8	0.53	2%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0504	29.63	0.4100	22.04	1.666	0.4590	8	4.55	17%	0
009.99	Fiber, Neutral Detergent, Miscellaneous (%)	0889	20.48	0.5950				1			0
010.11	Moisture, NIR (%)	0889	8.915	0.0100				1			0
010.99	Moisture, Miscellaneous (%)	0034	9.010	0.0400				3			0
010.99	Moisture, Miscellaneous (%)	2089	9.090	0.2800				3			0
010.99	Moisture, Miscellaneous (%)	2476	9.465	0.0160				3			0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0026	7.255	0.0700	9.301	0.2578	0.1129	19	-7.94	11%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0309	8.635	0.0900	9.301	0.2578	0.1129	19	-2.58	4%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2373	8.930	0.1000	9.301	0.2578	0.1129	19	-1.44	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0226	9.075	0.0500	9.301	0.2578	0.1129	19	-0.88	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0047	9.140	0.2400	9.301	0.2578	0.1129	19	-0.63	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0171	9.225	0.0100	9.301	0.2578	0.1129	19	-0.30	0%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2459	9.235	0.2700	9.301	0.2578	0.1129	19	-0.26	0%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2312	9.260	0.2800	9.301	0.2578	0.1129	19	-0.16	0%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2490	9.265	0.0700	9.301	0.2578	0.1129	19	-0.14	0%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0511	9.325	0.2100	9.301	0.2578	0.1129	19	0.09	0%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2491	9.355	0.0900	9.301	0.2578	0.1129	19	0.21	0%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0870	9.430	0.0806	9.301	0.2578	0.1129	19	0.50	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2486	9.435	0.0100	9.301	0.2578	0.1129	19	0.52	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	1019	9.440	0.2600	9.301	0.2578	0.1129	19	0.54	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0208	9.485	0.0700	9.301	0.2578	0.1129	19	0.71	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0098	9.490	0.0000	9.301	0.2578	0.1129	19	0.73	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0407	9.545	0.0211	9.301	0.2578	0.1129	19	0.95	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2302	9.610	0.0200	9.301	0.2578	0.1129	19	1.20	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0510	9.650	0.1000	9.301	0.2578	0.1129	19	1.35	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0160	9.205	0.6100	9.301	0.2578	0.1129	19	-0.37	1%	1
011.02	Loss on Drying, HT, 130°C for 2 hours (%)	0529	9.380	0.1200				1			0
012.01	Starch, Enzymatic-Colorimetric Method (Megaz	0613	42.15	2.410	44.76	2.271	0.9220	6	-1.15	3%	0

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012.01	Starch, Enzymatic-Colorimetric Method (Megaz	0171	43.80	1.200	44.76	2.271	0.9220	6	-0.42	1%	0
012.01	Starch, Enzymatic-Colorimetric Method (Megaz	0870	44.15	0.8573	44.76	2.271	0.9220	6	-0.27	1%	0
012.01	Starch, Enzymatic-Colorimetric Method (Megaz	0160	45.14	0.6800	44.76	2.271	0.9220	6	0.17	0%	0
012.01	Starch, Enzymatic-Colorimetric Method (Megaz	0407	45.16	0.6160	44.76	2.271	0.9220	6	0.18	0%	0
012.01	Starch, Enzymatic-Colorimetric Method (Megaz	2089	50.68	0.5200	44.76	2.271	0.9220	6	2.61	7%	0
012.03	Starch, Enzymatic-Colorimetric Method, Miscell	0407	45.72	0.1863				1			0
012.04	Starch, Enzymatic-Enzyme Membrane Technol	0510	43.05	0.1000				2			0
012.04	Starch, Enzymatic-Enzyme Membrane Technol	0226	44.80	0.5200				2			0
012.11	Starch, NIR (%)	0889	46.49	0.0200				2			0
012.11	Starch, NIR (%)	0613	50.90	1.300				2			0
013.00	Fat, Pretreat, Acid hydrolysis (%)	2438	5.070	0.0400	5.680	0.2077	0.1480	9	-2.94	5%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	2473	5.520	0.3200	5.680	0.2077	0.1480	9	-0.77	1%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	2439	5.590	0.3200	5.680	0.2077	0.1480	9	-0.43	1%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	2435	5.600	0.0400	5.680	0.2077	0.1480	9	-0.38	1%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	2472	5.695	0.1700	5.680	0.2077	0.1480	9	0.07	0%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	2437	5.740	0.1400	5.680	0.2077	0.1480	9	0.29	1%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	2436	5.800	0.0200	5.680	0.2077	0.1480	9	0.58	1%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	0309	5.813	0.0123	5.680	0.2077	0.1480	9	0.64	1%	0
013.00	Fat, Pretreat, Acid hydrolysis (%)	2393	6.005	0.2700	5.680	0.2077	0.1480	9	1.57	3%	0
013.02	Fat, Pretreat, Mojonniier, Bak Ext, Acid hydrolys	2396	4.405	1.070	5.880	0.8005	0.2443	14	-1.84	13%	0
013.02	Fat, Pretreat, Mojonniier, Bak Ext, Acid hydrolys	1024	4.590	0.0200	5.880	0.8005	0.2443	14	-1.61	11%	0
013.02	Fat, Pretreat, Mojonniier, Bak Ext, Acid hydrolys	2408	4.725	0.1100	5.880	0.8005	0.2443	14	-1.44	10%	0
013.02	Fat, Pretreat, Mojonniier, Bak Ext, Acid hydrolys	0001	5.452	0.1420	5.880	0.8005	0.2443	14	-0.53	4%	0
013.02	Fat, Pretreat, Mojonniier, Bak Ext, Acid hydrolys	2312	6.010	0.5800	5.880	0.8005	0.2443	14	0.16	1%	0
013.02	Fat, Pretreat, Mojonniier, Bak Ext, Acid hydrolys	0914	6.060	0.3600	5.880	0.8005	0.2443	14	0.23	2%	0
013.02	Fat, Pretreat, Mojonniier, Bak Ext, Acid hydrolys	2486	6.130	0.0400	5.880	0.8005	0.2443	14	0.31	2%	0
013.02	Fat, Pretreat, Mojonniier, Bak Ext, Acid hydrolys	0870	6.190	0.3034	5.880	0.8005	0.2443	14	0.39	3%	0
013.02	Fat, Pretreat, Mojonniier, Bak Ext, Acid hydrolys	0407	6.211	0.0130	5.880	0.8005	0.2443	14	0.41	3%	0
013.02	Fat, Pretreat, Mojonniier, Bak Ext, Acid hydrolys	2491	6.215	0.1500	5.880	0.8005	0.2443	14	0.42	3%	0
013.02	Fat, Pretreat, Mojonniier, Bak Ext, Acid hydrolys	0139	6.270	0.0000	5.880	0.8005	0.2443	14	0.49	3%	0
013.02	Fat, Pretreat, Mojonniier, Bak Ext, Acid hydrolys	2490	6.325	0.0300	5.880	0.8005	0.2443	14	0.56	4%	0
013.02	Fat, Pretreat, Mojonniier, Bak Ext, Acid hydrolys	1022	6.670	0.5400	5.880	0.8005	0.2443	14	0.99	7%	0
013.02	Fat, Pretreat, Mojonniier, Bak Ext, Acid hydrolys	0010	6.700	0.0000	5.880	0.8005	0.2443	14	1.02	7%	0
013.10	Fat, Pretreat, Soxtec-Acid Hydrolysis (%)	0028	4.895	0.0500				3			0
013.10	Fat, Pretreat, Soxtec-Acid Hydrolysis (%)	2124	5.430	0.2200				3			0
013.10	Fat, Pretreat, Soxtec-Acid Hydrolysis (%)	0613	5.510	0.0200				3			0
013.13	Fat, Pretreat, Ankom- Acid Hydrolysis (%)	0581	5.130	0.0200				3			0
013.13	Fat, Pretreat, Ankom- Acid Hydrolysis (%)	0407	5.524	0.1745				3			0
013.13	Fat, Pretreat, Ankom- Acid Hydrolysis (%)	0074	5.700	0.1400				3			0
015.41	Aluminum, ICP, Dry ash (ppm)	0407	3.854	0.2887				1			0
015.43	Aluminum, ICP, Microwave (ppm)	0407	4.299	0.6719				2			0
015.43	Aluminum, ICP, Microwave (ppm)	0226	6.910	0.3000				2			0

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			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
015.43	Aluminum, ICP, Microwave (ppm)	0510	< 1					2			5
015.53	Aluminum, ICP-MS, Microwave (ppm)	0407	4.422	0.3076				1			0
017.41	Boron, ICP, Dry ash (ppm)	0407	1.048	0.0207				1			0
017.43	Boron, ICP, Microwave (ppm)	0510	1.000	0.0000				2			0
017.43	Boron, ICP, Microwave (ppm)	0407	1.232	0.0008				2			0
017.53	Boron, ICP-MS, Microwave (ppm)	0407	0.6597	0.3041				1			0
019.00	Calcium, Ox-Mn04 Vol. (%)	2373	0.3850	0.0100				1			0
019.31	Calcium, AAS, Dry ash (%)	0001	0.0556	0.0006				2			0
019.31	Calcium, AAS, Dry ash (%)	0529	0.0600	0.0000				2			0
019.41	Calcium, ICP, Dry ash (%)	0226	0.0500	0.0000	0.0691	0.0186	0.0013	9	-1.03	14%	0
019.41	Calcium, ICP, Dry ash (%)	0098	0.0557	0.0020	0.0691	0.0186	0.0013	9	-0.72	10%	0
019.41	Calcium, ICP, Dry ash (%)	0171	0.0575	0.0010	0.0691	0.0186	0.0013	9	-0.62	8%	0
019.41	Calcium, ICP, Dry ash (%)	2444	0.0600	0.0000	0.0691	0.0186	0.0013	9	-0.49	7%	0
019.41	Calcium, ICP, Dry ash (%)	0407	0.0617	0.0010	0.0691	0.0186	0.0013	9	-0.40	5%	0
019.41	Calcium, ICP, Dry ash (%)	1024	0.0700	0.0000	0.0691	0.0186	0.0013	9	0.05	1%	0
019.41	Calcium, ICP, Dry ash (%)	2399	0.0800	0.0000	0.0691	0.0186	0.0013	9	0.59	8%	0
019.41	Calcium, ICP, Dry ash (%)	0139	0.0900	0.0000	0.0691	0.0186	0.0013	9	1.12	15%	0
019.41	Calcium, ICP, Dry ash (%)	1020	0.1900	0.0000	0.0691	0.0186	0.0013	9	6.50	87%	0
019.42	Calcium, ICP, Open vessel (%)	0504	0.0500	0.0000				3			0
019.42	Calcium, ICP, Open vessel (%)	0870	0.0526	0.0016				3			0
019.42	Calcium, ICP, Open vessel (%)	0613	0.0650	0.0100				3			0
019.43	Calcium, ICP, Microwave (%)	0226	0.0500	0.0000	0.0571	0.0051	0.0017	19	-1.38	6%	0
019.43	Calcium, ICP, Microwave (%)	2124	0.0500	0.0000	0.0571	0.0051	0.0017	19	-1.38	6%	0
019.43	Calcium, ICP, Microwave (%)	0051	0.0519	0.0015	0.0571	0.0051	0.0017	19	-1.02	5%	0
019.43	Calcium, ICP, Microwave (%)	2437	0.0534	0.0017	0.0571	0.0051	0.0017	19	-0.73	3%	0
019.43	Calcium, ICP, Microwave (%)	0001	0.0545	0.0010	0.0571	0.0051	0.0017	19	-0.50	2%	0
019.43	Calcium, ICP, Microwave (%)	2472	0.0545	0.0038	0.0571	0.0051	0.0017	19	-0.50	2%	0
019.43	Calcium, ICP, Microwave (%)	2089	0.0550	0.0100	0.0571	0.0051	0.0017	19	-0.41	2%	0
019.43	Calcium, ICP, Microwave (%)	2476	0.0555	0.0030	0.0571	0.0051	0.0017	19	-0.31	1%	0
019.43	Calcium, ICP, Microwave (%)	2436	0.0565	0.0004	0.0571	0.0051	0.0017	19	-0.11	0%	0
019.43	Calcium, ICP, Microwave (%)	2435	0.0568	0.0002	0.0571	0.0051	0.0017	19	-0.05	0%	0
019.43	Calcium, ICP, Microwave (%)	2439	0.0573	0.0005	0.0571	0.0051	0.0017	19	0.04	0%	0
019.43	Calcium, ICP, Microwave (%)	2438	0.0576	0.0005	0.0571	0.0051	0.0017	19	0.09	0%	0
019.43	Calcium, ICP, Microwave (%)	2473	0.0577	0.0005	0.0571	0.0051	0.0017	19	0.11	1%	0
019.43	Calcium, ICP, Microwave (%)	0870	0.0584	0.0027	0.0571	0.0051	0.0017	19	0.25	1%	0
019.43	Calcium, ICP, Microwave (%)	0510	0.0600	0.0000	0.0571	0.0051	0.0017	19	0.57	3%	0
019.43	Calcium, ICP, Microwave (%)	0010	0.0615	0.0010	0.0571	0.0051	0.0017	19	0.87	4%	0
019.43	Calcium, ICP, Microwave (%)	0098	0.0646	0.0015	0.0571	0.0051	0.0017	19	1.46	7%	0
019.43	Calcium, ICP, Microwave (%)	0407	0.0650	0.0012	0.0571	0.0051	0.0017	19	1.55	7%	0
019.43	Calcium, ICP, Microwave (%)	0511	0.0850	0.0100	0.0571	0.0051	0.0017	19	5.47	24%	0
019.44	Calcium, ICP, Dry ash (%)	2452	0.0400	0.0000	0.0579	0.0097	0.0002	15	-1.84	15%	0
019.44	Calcium, ICP, Dry ash (%)	2441	0.0500	0.0000	0.0579	0.0097	0.0002	15	-0.81	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	
019.44	Calcium, ICP, Dry ash (%)	2477	0.0500	0.0000	0.0579	0.0097	0.0002	15	-0.81	7%	0
019.44	Calcium, ICP, Dry ash (%)	2480	0.0500	0.0000	0.0579	0.0097	0.0002	15	-0.81	7%	0
019.44	Calcium, ICP, Dry ash (%)	2478	0.0511	0.0002	0.0579	0.0097	0.0002	15	-0.70	6%	0
019.44	Calcium, ICP, Dry ash (%)	2479	0.0511	0.0002	0.0579	0.0097	0.0002	15	-0.70	6%	0
019.44	Calcium, ICP, Dry ash (%)	1022	0.0600	0.0000	0.0579	0.0097	0.0002	15	0.22	2%	0
019.44	Calcium, ICP, Dry ash (%)	2380	0.0600	0.0000	0.0579	0.0097	0.0002	15	0.22	2%	0
019.44	Calcium, ICP, Dry ash (%)	2382	0.0600	0.0000	0.0579	0.0097	0.0002	15	0.22	2%	0
019.44	Calcium, ICP, Dry ash (%)	2385	0.0600	0.0000	0.0579	0.0097	0.0002	15	0.22	2%	0
019.44	Calcium, ICP, Dry ash (%)	2469	0.0600	0.0000	0.0579	0.0097	0.0002	15	0.22	2%	0
019.44	Calcium, ICP, Dry ash (%)	2471	0.0600	0.0000	0.0579	0.0097	0.0002	15	0.22	2%	0
019.44	Calcium, ICP, Dry ash (%)	1021	0.0700	0.0000	0.0579	0.0097	0.0002	15	1.25	10%	0
019.44	Calcium, ICP, Dry ash (%)	1023	0.0700	0.0000	0.0579	0.0097	0.0002	15	1.25	10%	0
019.44	Calcium, ICP, Dry ash (%)	2445	0.0800	0.0000	0.0579	0.0097	0.0002	15	2.28	19%	0
019.44	Calcium, ICP, Dry ash (%)	2420	0.0450	0.0100	0.0579	0.0097	0.0002	15	-1.33	11%	1
019.53	Calcium, ICP-MS, Microwave (%)	0407	0.0587	0.0010				2			0
019.53	Calcium, ICP-MS, Microwave (%)	2428	0.0600	0.0000				2			0
019.99	Calcium, Miscellaneous (%)	2302	0.0200	0.0000				1			0
021.41	Cobalt, ICP, Dry ash (ppm)	0407	0.2028	0.0508				1			0
021.43	Cobalt, ICP, Microwave (ppm)	0510	0.1550	0.0300				2			0
021.43	Cobalt, ICP, Microwave (ppm)	0407	0.2457	0.0163				2			0
021.53	Cobalt, ICP-MS, Microwave (ppm)	0407	0.2209	0.0062				1			0
021.53	Cobalt, ICP-MS, Microwave (ppm)	2428	< 0.5					1			5
022.31	Copper, AAS, Dry ash (ppm)	0529	< 9.6					0			5
022.41	Copper, ICP, Dry ash (ppm)	0407	3.588	0.1353	4.608	0.8312	0.0982	10	-1.23	11%	0
022.41	Copper, ICP, Dry ash (ppm)	2444	3.590	0.0400	4.608	0.8312	0.0982	10	-1.22	11%	0
022.41	Copper, ICP, Dry ash (ppm)	0171	3.905	0.1300	4.608	0.8312	0.0982	10	-0.85	8%	0
022.41	Copper, ICP, Dry ash (ppm)	0098	4.345	0.1500	4.608	0.8312	0.0982	10	-0.32	3%	0
022.41	Copper, ICP, Dry ash (ppm)	1024	4.876	0.0020	4.608	0.8312	0.0982	10	0.32	3%	0
022.41	Copper, ICP, Dry ash (ppm)	0139	4.898	0.0150	4.608	0.8312	0.0982	10	0.35	3%	0
022.41	Copper, ICP, Dry ash (ppm)	1023	4.972	0.0950	4.608	0.8312	0.0982	10	0.44	4%	0
022.41	Copper, ICP, Dry ash (ppm)	0226	5.005	0.0700	4.608	0.8312	0.0982	10	0.48	4%	0
022.41	Copper, ICP, Dry ash (ppm)	2399	5.049	0.1340	4.608	0.8312	0.0982	10	0.53	5%	0
022.41	Copper, ICP, Dry ash (ppm)	1020	11.29	0.2200	4.608	0.8312	0.0982	10	8.04	72%	0
022.42	Copper, ICP, Open vessel (ppm)	0613	3.450	0.2600				2			0
022.42	Copper, ICP, Open vessel (ppm)	0870	3.823	0.1360				2			0
022.42	Copper, ICP, Open vessel (ppm)	0504	< 15					2			5
022.43	Copper, ICP, Microwave (ppm)	2445	3.230	0.0400	3.858	0.3254	0.1715	20	-1.93	8%	0
022.43	Copper, ICP, Microwave (ppm)	0511	3.500	1.000	3.858	0.3254	0.1715	20	-1.10	5%	0
022.43	Copper, ICP, Microwave (ppm)	2436	3.500	0.6000	3.858	0.3254	0.1715	20	-1.10	5%	0
022.43	Copper, ICP, Microwave (ppm)	0226	3.530	0.3200	3.858	0.3254	0.1715	20	-1.01	4%	0
022.43	Copper, ICP, Microwave (ppm)	2124	3.560	0.1400	3.858	0.3254	0.1715	20	-0.92	4%	0
022.43	Copper, ICP, Microwave (ppm)	2089	3.640	0.0800	3.858	0.3254	0.1715	20	-0.67	3%	0

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			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
022.43	Copper, ICP, Microwave (ppm)	0051	3.685	0.1100	3.858	0.3254	0.1715	20	-0.53	2%	0
022.43	Copper, ICP, Microwave (ppm)	0407	3.748	0.0012	3.858	0.3254	0.1715	20	-0.34	1%	0
022.43	Copper, ICP, Microwave (ppm)	2472	3.850	0.1000	3.858	0.3254	0.1715	20	-0.03	0%	0
022.43	Copper, ICP, Microwave (ppm)	0098	3.885	0.1500	3.858	0.3254	0.1715	20	0.08	0%	0
022.43	Copper, ICP, Microwave (ppm)	2437	3.900	0.2000	3.858	0.3254	0.1715	20	0.13	1%	0
022.43	Copper, ICP, Microwave (ppm)	0870	3.933	0.0480	3.858	0.3254	0.1715	20	0.23	1%	0
022.43	Copper, ICP, Microwave (ppm)	2438	3.975	0.0500	3.858	0.3254	0.1715	20	0.36	2%	0
022.43	Copper, ICP, Microwave (ppm)	0510	4.000	0.0000	3.858	0.3254	0.1715	20	0.44	2%	0
022.43	Copper, ICP, Microwave (ppm)	2473	4.000	0.0000	3.858	0.3254	0.1715	20	0.44	2%	0
022.43	Copper, ICP, Microwave (ppm)	2435	4.050	0.3000	3.858	0.3254	0.1715	20	0.59	2%	0
022.43	Copper, ICP, Microwave (ppm)	2439	4.100	0.2000	3.858	0.3254	0.1715	20	0.74	3%	0
022.43	Copper, ICP, Microwave (ppm)	0001	4.245	0.0700	3.858	0.3254	0.1715	20	1.19	5%	0
022.43	Copper, ICP, Microwave (ppm)	2476	4.446	1.439	3.858	0.3254	0.1715	20	1.80	8%	0
022.43	Copper, ICP, Microwave (ppm)	0027	4.446	0.0600	3.858	0.3254	0.1715	20	1.81	8%	0
022.43	Copper, ICP, Microwave (ppm)	0010	4.850	1.900	3.858	0.3254	0.1715	20	3.05	13%	1
022.43	Copper, ICP, Microwave (ppm)	2428	< 0.5		3.858	0.3254	0.1715	20			5
022.44	Copper, ICP, Dry ash (ppm)	2382	3.740	0.1600	4.035	0.3701	0.1046	13	-0.80	4%	0
022.44	Copper, ICP, Dry ash (ppm)	2380	3.755	0.1300	4.035	0.3701	0.1046	13	-0.76	3%	0
022.44	Copper, ICP, Dry ash (ppm)	2441	3.775	0.0100	4.035	0.3701	0.1046	13	-0.70	3%	0
022.44	Copper, ICP, Dry ash (ppm)	2471	3.820	0.0800	4.035	0.3701	0.1046	13	-0.58	3%	0
022.44	Copper, ICP, Dry ash (ppm)	2477	3.844	0.0110	4.035	0.3701	0.1046	13	-0.52	2%	0
022.44	Copper, ICP, Dry ash (ppm)	2385	3.905	0.0700	4.035	0.3701	0.1046	13	-0.35	2%	0
022.44	Copper, ICP, Dry ash (ppm)	2469	3.925	0.0300	4.035	0.3701	0.1046	13	-0.30	1%	0
022.44	Copper, ICP, Dry ash (ppm)	2478	3.929	0.2714	4.035	0.3701	0.1046	13	-0.29	1%	0
022.44	Copper, ICP, Dry ash (ppm)	2479	3.969	0.0655	4.035	0.3701	0.1046	13	-0.18	1%	0
022.44	Copper, ICP, Dry ash (ppm)	2480	4.035	0.0500	4.035	0.3701	0.1046	13	0.00	0%	0
022.44	Copper, ICP, Dry ash (ppm)	1022	4.583	0.2120	4.035	0.3701	0.1046	13	1.48	7%	0
022.44	Copper, ICP, Dry ash (ppm)	1021	4.822	0.0210	4.035	0.3701	0.1046	13	2.12	10%	0
022.44	Copper, ICP, Dry ash (ppm)	2398	4.910	0.3400	4.035	0.3701	0.1046	13	2.36	11%	0
022.53	Copper, ICP-MS, Microwave (ppm)	0407	3.911	0.3655				1			0
025.31	Iron, AAS, Dry ash (ppm)	0529	69.70	4.600				1			0
025.41	Iron, ICP, Dry ash (ppm)	0171	63.95	0.7000	64.81	0.9314	0.5780	4			0
025.41	Iron, ICP, Dry ash (ppm)	0407	64.50	0.6519	64.81	0.9314	0.5780	4			0
025.41	Iron, ICP, Dry ash (ppm)	0098	64.66	0.3600	64.81	0.9314	0.5780	4			0
025.41	Iron, ICP, Dry ash (ppm)	0226	66.13	0.6000	64.81	0.9314	0.5780	4			0
025.42	Iron, ICP, Open vessel (ppm)	0504	57.50	1.000				3			0
025.42	Iron, ICP, Open vessel (ppm)	0870	62.52	1.600				3			0
025.42	Iron, ICP, Open vessel (ppm)	0613	71.21	1.450				3			0
025.43	Iron, ICP, Microwave (ppm)	0226	57.68	0.9600	66.96	6.972	3.626	13	-1.33	7%	0
025.43	Iron, ICP, Microwave (ppm)	2124	58.98	2.160	66.96	6.972	3.626	13	-1.14	6%	0
025.43	Iron, ICP, Microwave (ppm)	2476	61.83	3.780	66.96	6.972	3.626	13	-0.74	4%	0
025.43	Iron, ICP, Microwave (ppm)	0511	62.50	5.000	66.96	6.972	3.626	13	-0.64	3%	0

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			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
025.43	Iron, ICP, Microwave (ppm)	0510	64.00	2.000	66.96	6.972	3.626	13	-0.42	2%	0
025.43	Iron, ICP, Microwave (ppm)	0051	64.11	0.7200	66.96	6.972	3.626	13	-0.41	2%	0
025.43	Iron, ICP, Microwave (ppm)	0407	65.94	0.7817	66.96	6.972	3.626	13	-0.15	1%	0
025.43	Iron, ICP, Microwave (ppm)	0870	68.77	9.510	66.96	6.972	3.626	13	0.26	1%	0
025.43	Iron, ICP, Microwave (ppm)	0027	70.17	2.392	66.96	6.972	3.626	13	0.46	2%	0
025.43	Iron, ICP, Microwave (ppm)	0001	71.05	8.500	66.96	6.972	3.626	13	0.59	3%	0
025.43	Iron, ICP, Microwave (ppm)	0098	73.81	1.150	66.96	6.972	3.626	13	0.98	5%	0
025.43	Iron, ICP, Microwave (ppm)	0010	74.25	1.300	66.96	6.972	3.626	13	1.05	5%	0
025.43	Iron, ICP, Microwave (ppm)	2089	82.92	9.190	66.96	6.972	3.626	13	2.29	12%	0
025.53	Iron, ICP-MS, Microwave (ppm)	0407	67.21	3.920				1			0
027.31	Magnesium, AAS, Dry ash (%)	0001	0.1127	0.0111				2			0
027.31	Magnesium, AAS, Dry ash (%)	0529	0.1200	0.0000				2			0
027.41	Magnesium, ICP, Dry ash (%)	0139	0.0995	0.0010	0.1123	0.0116	0.0015	9	-1.10	6%	0
027.41	Magnesium, ICP, Dry ash (%)	2399	0.1010	0.0000	0.1123	0.0116	0.0015	9	-0.97	5%	0
027.41	Magnesium, ICP, Dry ash (%)	1020	0.1020	0.0040	0.1123	0.0116	0.0015	9	-0.89	5%	0
027.41	Magnesium, ICP, Dry ash (%)	1024	0.1045	0.0010	0.1123	0.0116	0.0015	9	-0.67	3%	0
027.41	Magnesium, ICP, Dry ash (%)	2444	0.1185	0.0010	0.1123	0.0116	0.0015	9	0.53	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0098	0.1200	0.0000	0.1123	0.0116	0.0015	9	0.66	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0171	0.1200	0.0020	0.1123	0.0116	0.0015	9	0.66	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0226	0.1200	0.0000	0.1123	0.0116	0.0015	9	0.66	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0407	0.1251	0.0014	0.1123	0.0116	0.0015	9	1.10	6%	0
027.42	Magnesium, ICP, Open vessel (%)	0504	0.1080	0.0000				3			0
027.42	Magnesium, ICP, Open vessel (%)	0870	0.1158	0.0025				3			0
027.42	Magnesium, ICP, Open vessel (%)	0613	0.1250	0.0100				3			0
027.43	Magnesium, ICP, Microwave (%)	0226	0.1100	0.0000	0.1204	0.0058	0.0033	18	-1.79	4%	0
027.43	Magnesium, ICP, Microwave (%)	2124	0.1100	0.0000	0.1204	0.0058	0.0033	18	-1.79	4%	0
027.43	Magnesium, ICP, Microwave (%)	2476	0.1130	0.0000	0.1204	0.0058	0.0033	18	-1.27	3%	0
027.43	Magnesium, ICP, Microwave (%)	0051	0.1151	0.0037	0.1204	0.0058	0.0033	18	-0.92	2%	0
027.43	Magnesium, ICP, Microwave (%)	2472	0.1176	0.0049	0.1204	0.0058	0.0033	18	-0.49	1%	0
027.43	Magnesium, ICP, Microwave (%)	0001	0.1190	0.0000	0.1204	0.0058	0.0033	18	-0.24	1%	0
027.43	Magnesium, ICP, Microwave (%)	0510	0.1200	0.0000	0.1204	0.0058	0.0033	18	-0.07	0%	0
027.43	Magnesium, ICP, Microwave (%)	0511	0.1200	0.0000	0.1204	0.0058	0.0033	18	-0.07	0%	0
027.43	Magnesium, ICP, Microwave (%)	2089	0.1200	0.0000	0.1204	0.0058	0.0033	18	-0.07	0%	0
027.43	Magnesium, ICP, Microwave (%)	2473	0.1219	0.0000	0.1204	0.0058	0.0033	18	0.26	1%	0
027.43	Magnesium, ICP, Microwave (%)	2438	0.1222	0.0005	0.1204	0.0058	0.0033	18	0.30	1%	0
027.43	Magnesium, ICP, Microwave (%)	2436	0.1225	0.0013	0.1204	0.0058	0.0033	18	0.35	1%	0
027.43	Magnesium, ICP, Microwave (%)	2435	0.1227	0.0044	0.1204	0.0058	0.0033	18	0.40	1%	0
027.43	Magnesium, ICP, Microwave (%)	2439	0.1231	0.0048	0.1204	0.0058	0.0033	18	0.47	1%	0
027.43	Magnesium, ICP, Microwave (%)	0870	0.1235	0.0016	0.1204	0.0058	0.0033	18	0.53	1%	0
027.43	Magnesium, ICP, Microwave (%)	0407	0.1251	0.0053	0.1204	0.0058	0.0033	18	0.80	2%	0
027.43	Magnesium, ICP, Microwave (%)	0010	0.1300	0.0000	0.1204	0.0058	0.0033	18	1.65	4%	0
027.43	Magnesium, ICP, Microwave (%)	0098	0.1300	0.0000	0.1204	0.0058	0.0033	18	1.65	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	
027.43	Magnesium, ICP, Microwave (%)	2437	0.4016	0.0059	0.1204	0.0058	0.0033	18	48.33	117%	2
027.44	Magnesium, ICP, Dry ash (%)	2452	0.0970	0.0000	0.1108	0.0083	0.0014	16	-1.65	6%	0
027.44	Magnesium, ICP, Dry ash (%)	2420	0.1000	0.0000	0.1108	0.0083	0.0014	16	-1.29	5%	0
027.44	Magnesium, ICP, Dry ash (%)	2398	0.1030	0.0020	0.1108	0.0083	0.0014	16	-0.93	4%	0
027.44	Magnesium, ICP, Dry ash (%)	1023	0.1040	0.0000	0.1108	0.0083	0.0014	16	-0.81	3%	0
027.44	Magnesium, ICP, Dry ash (%)	1022	0.1055	0.0010	0.1108	0.0083	0.0014	16	-0.63	2%	0
027.44	Magnesium, ICP, Dry ash (%)	1021	0.1060	0.0000	0.1108	0.0083	0.0014	16	-0.57	2%	0
027.44	Magnesium, ICP, Dry ash (%)	2480	0.1100	0.0000	0.1108	0.0083	0.0014	16	-0.09	0%	0
027.44	Magnesium, ICP, Dry ash (%)	2441	0.1105	0.0030	0.1108	0.0083	0.0014	16	-0.03	0%	0
027.44	Magnesium, ICP, Dry ash (%)	2477	0.1120	0.0000	0.1108	0.0083	0.0014	16	0.15	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2478	0.1131	0.0010	0.1108	0.0083	0.0014	16	0.28	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2479	0.1138	0.0002	0.1108	0.0083	0.0014	16	0.37	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2382	0.1170	0.0000	0.1108	0.0083	0.0014	16	0.75	3%	0
027.44	Magnesium, ICP, Dry ash (%)	2380	0.1190	0.0020	0.1108	0.0083	0.0014	16	0.99	4%	0
027.44	Magnesium, ICP, Dry ash (%)	2471	0.1195	0.0010	0.1108	0.0083	0.0014	16	1.05	4%	0
027.44	Magnesium, ICP, Dry ash (%)	2469	0.1200	0.0020	0.1108	0.0083	0.0014	16	1.11	4%	0
027.44	Magnesium, ICP, Dry ash (%)	2385	0.1205	0.0010	0.1108	0.0083	0.0014	16	1.17	4%	0
027.53	Magnesium, ICP-MS, Microwave (%)	2428	0.1200	0.0000				2			0
027.53	Magnesium, ICP-MS, Microwave (%)	0407	0.1284	0.0006				2			0
028.31	Manganese, AAS, Dry ash (ppm)	0001	37.50	0.3000				2			0
028.31	Manganese, AAS, Dry ash (ppm)	0529	39.45	0.3000				2			0
028.41	Manganese, ICP, Dry ash (ppm)	0407	36.42	0.3447	37.78	1.366	0.4194	7	-1.00	2%	0
028.41	Manganese, ICP, Dry ash (ppm)	0139	36.51	0.2600	37.78	1.366	0.4194	7	-0.93	2%	0
028.41	Manganese, ICP, Dry ash (ppm)	2399	37.46	0.4800	37.78	1.366	0.4194	7	-0.24	0%	0
028.41	Manganese, ICP, Dry ash (ppm)	1024	37.51	0.4800	37.78	1.366	0.4194	7	-0.20	0%	0
028.41	Manganese, ICP, Dry ash (ppm)	0098	37.86	0.4300	37.78	1.366	0.4194	7	0.05	0%	0
028.41	Manganese, ICP, Dry ash (ppm)	0171	39.25	0.3000	37.78	1.366	0.4194	7	1.07	2%	0
028.41	Manganese, ICP, Dry ash (ppm)	0226	39.49	1.130	37.78	1.366	0.4194	7	1.24	2%	0
028.42	Manganese, ICP, Open vessel (ppm)	0504	32.30	0.0000				3			0
028.42	Manganese, ICP, Open vessel (ppm)	0613	35.25	1.720				3			0
028.42	Manganese, ICP, Open vessel (ppm)	0870	37.23	1.990				3			0
028.43	Manganese, ICP, Microwave (ppm)	0010	37.25	1.100	39.52	1.539	1.062	20	-1.47	3%	0
028.43	Manganese, ICP, Microwave (ppm)	2124	37.78	1.380	39.52	1.539	1.062	20	-1.13	2%	0
028.43	Manganese, ICP, Microwave (ppm)	0511	38.00	2.000	39.52	1.539	1.062	20	-0.99	2%	0
028.43	Manganese, ICP, Microwave (ppm)	2476	38.02	0.3100	39.52	1.539	1.062	20	-0.98	2%	0
028.43	Manganese, ICP, Microwave (ppm)	0051	38.25	0.6500	39.52	1.539	1.062	20	-0.83	2%	0
028.43	Manganese, ICP, Microwave (ppm)	0407	38.25	1.042	39.52	1.539	1.062	20	-0.83	2%	0
028.43	Manganese, ICP, Microwave (ppm)	2472	38.60	1.000	39.52	1.539	1.062	20	-0.60	1%	0
028.43	Manganese, ICP, Microwave (ppm)	0226	38.63	0.8500	39.52	1.539	1.062	20	-0.58	1%	0
028.43	Manganese, ICP, Microwave (ppm)	0510	39.50	1.000	39.52	1.539	1.062	20	-0.01	0%	0
028.43	Manganese, ICP, Microwave (ppm)	0001	39.90	1.000	39.52	1.539	1.062	20	0.25	0%	0
028.43	Manganese, ICP, Microwave (ppm)	2438	39.93	0.6500	39.52	1.539	1.062	20	0.26	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	
028.43	Manganese, ICP, Microwave (ppm)	2473	39.95	0.9000	39.52	1.539	1.062	20	0.28	1%	0
028.43	Manganese, ICP, Microwave (ppm)	2436	40.05	0.9000	39.52	1.539	1.062	20	0.35	1%	0
028.43	Manganese, ICP, Microwave (ppm)	2435	40.25	1.700	39.52	1.539	1.062	20	0.48	1%	0
028.43	Manganese, ICP, Microwave (ppm)	2437	40.30	0.2000	39.52	1.539	1.062	20	0.51	1%	0
028.43	Manganese, ICP, Microwave (ppm)	2439	40.35	0.9000	39.52	1.539	1.062	20	0.54	1%	0
028.43	Manganese, ICP, Microwave (ppm)	0870	40.41	2.540	39.52	1.539	1.062	20	0.58	1%	0
028.43	Manganese, ICP, Microwave (ppm)	0027	41.33	0.5440	39.52	1.539	1.062	20	1.18	2%	0
028.43	Manganese, ICP, Microwave (ppm)	0098	42.24	1.350	39.52	1.539	1.062	20	1.77	3%	0
028.43	Manganese, ICP, Microwave (ppm)	2089	42.59	3.100	39.52	1.539	1.062	20	2.00	4%	0
028.44	Manganese, ICP, Dry ash (ppm)	2452	36.03	0.1400	38.31	1.059	0.2186	16	-2.16	3%	0
028.44	Manganese, ICP, Dry ash (ppm)	2420	37.41	0.2200	38.31	1.059	0.2186	16	-0.85	1%	0
028.44	Manganese, ICP, Dry ash (ppm)	1023	37.49	0.1300	38.31	1.059	0.2186	16	-0.78	1%	0
028.44	Manganese, ICP, Dry ash (ppm)	2380	37.82	0.1200	38.31	1.059	0.2186	16	-0.47	1%	0
028.44	Manganese, ICP, Dry ash (ppm)	1021	37.84	0.0000	38.31	1.059	0.2186	16	-0.45	1%	0
028.44	Manganese, ICP, Dry ash (ppm)	2398	37.91	0.4100	38.31	1.059	0.2186	16	-0.39	1%	0
028.44	Manganese, ICP, Dry ash (ppm)	1022	38.01	0.1700	38.31	1.059	0.2186	16	-0.29	0%	0
028.44	Manganese, ICP, Dry ash (ppm)	2385	38.04	0.8300	38.31	1.059	0.2186	16	-0.26	0%	0
028.44	Manganese, ICP, Dry ash (ppm)	2382	38.05	0.1900	38.31	1.059	0.2186	16	-0.25	0%	0
028.44	Manganese, ICP, Dry ash (ppm)	2444	38.19	0.3300	38.31	1.059	0.2186	16	-0.12	0%	0
028.44	Manganese, ICP, Dry ash (ppm)	2471	38.26	0.2500	38.31	1.059	0.2186	16	-0.06	0%	0
028.44	Manganese, ICP, Dry ash (ppm)	2469	38.39	0.1200	38.31	1.059	0.2186	16	0.07	0%	0
028.44	Manganese, ICP, Dry ash (ppm)	2477	39.45	0.7200	38.31	1.059	0.2186	16	1.07	1%	0
028.44	Manganese, ICP, Dry ash (ppm)	2480	39.74	0.0400	38.31	1.059	0.2186	16	1.35	2%	0
028.44	Manganese, ICP, Dry ash (ppm)	2478	39.83	0.0435	38.31	1.059	0.2186	16	1.43	2%	0
028.44	Manganese, ICP, Dry ash (ppm)	2479	39.95	0.2201	38.31	1.059	0.2186	16	1.55	2%	0
028.44	Manganese, ICP, Dry ash (ppm)	2441	39.09	1.500	38.31	1.059	0.2186	16	0.73	1%	1
028.53	Manganese, ICP-MS, Microwave (ppm)	0407	38.60	1.435				2			0
028.53	Manganese, ICP-MS, Microwave (ppm)	2428	41.00	0.0000				2			0
031.01	Phosphorus, Photometric (%)	2373	0.3150	0.0100				2			0
031.01	Phosphorus, Photometric (%)	0529	0.3250	0.0100				2			0
031.03	Phosphorus, Autoanalyzer (%)	0001	0.3025	0.0069				1			0
031.41	Phosphorus, ICP, Dry ash (%)	0139	0.2900	0.0000	0.3018	0.0108	0.0069	8	-1.09	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	2399	0.2900	0.0000	0.3018	0.0108	0.0069	8	-1.09	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0171	0.2985	0.0030	0.3018	0.0108	0.0069	8	-0.30	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	1024	0.3000	0.0000	0.3018	0.0108	0.0069	8	-0.17	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0098	0.3028	0.0034	0.3018	0.0108	0.0069	8	0.09	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	1020	0.3050	0.0100	0.3018	0.0108	0.0069	8	0.30	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0226	0.3100	0.0000	0.3018	0.0108	0.0069	8	0.76	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0407	0.3202	0.0112	0.3018	0.0108	0.0069	8	1.71	3%	0
031.42	Phosphorus, ICP, Open vessel (%)	0504	0.2740	0.0060				3			0
031.42	Phosphorus, ICP, Open vessel (%)	0870	0.2827	0.0132				3			0
031.42	Phosphorus, ICP, Open vessel (%)	0613	0.2850	0.0100				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	
031.43	Phosphorus, ICP, Microwave (%)	0051	0.2783	0.0091	0.3078	0.0126	0.0083	20	-2.36	5%	0
031.43	Phosphorus, ICP, Microwave (%)	2124	0.2850	0.0100	0.3078	0.0126	0.0083	20	-1.82	4%	0
031.43	Phosphorus, ICP, Microwave (%)	0226	0.2950	0.0100	0.3078	0.0126	0.0083	20	-1.02	2%	0
031.43	Phosphorus, ICP, Microwave (%)	2089	0.2950	0.0100	0.3078	0.0126	0.0083	20	-1.02	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0001	0.2970	0.0020	0.3078	0.0126	0.0083	20	-0.86	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0010	0.3000	0.0000	0.3078	0.0126	0.0083	20	-0.62	1%	0
031.43	Phosphorus, ICP, Microwave (%)	2472	0.3017	0.0106	0.3078	0.0126	0.0083	20	-0.49	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0511	0.3050	0.0100	0.3078	0.0126	0.0083	20	-0.22	0%	0
031.43	Phosphorus, ICP, Microwave (%)	2476	0.3070	0.0020	0.3078	0.0126	0.0083	20	-0.06	0%	0
031.43	Phosphorus, ICP, Microwave (%)	2437	0.3076	0.0193	0.3078	0.0126	0.0083	20	-0.02	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0870	0.3102	0.0180	0.3078	0.0126	0.0083	20	0.19	0%	0
031.43	Phosphorus, ICP, Microwave (%)	2438	0.3128	0.0025	0.3078	0.0126	0.0083	20	0.39	1%	0
031.43	Phosphorus, ICP, Microwave (%)	2473	0.3137	0.0014	0.3078	0.0126	0.0083	20	0.47	1%	0
031.43	Phosphorus, ICP, Microwave (%)	2435	0.3146	0.0103	0.3078	0.0126	0.0083	20	0.54	1%	0
031.43	Phosphorus, ICP, Microwave (%)	2436	0.3148	0.0045	0.3078	0.0126	0.0083	20	0.55	1%	0
031.43	Phosphorus, ICP, Microwave (%)	2439	0.3170	0.0093	0.3078	0.0126	0.0083	20	0.73	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0098	0.3176	0.0047	0.3078	0.0126	0.0083	20	0.78	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0407	0.3205	0.0085	0.3078	0.0126	0.0083	20	1.01	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0027	0.3225	0.0010	0.3078	0.0126	0.0083	20	1.17	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0510	0.3300	0.0200	0.3078	0.0126	0.0083	20	1.77	4%	0
031.44	Phosphorus, ICP, Dry ash (%)	2452	0.2800	0.0000	0.3038	0.0065	0.0064	17	-3.68	4%	0
031.44	Phosphorus, ICP, Dry ash (%)	2398	0.2950	0.0100	0.3038	0.0065	0.0064	17	-1.36	1%	0
031.44	Phosphorus, ICP, Dry ash (%)	1022	0.3000	0.0000	0.3038	0.0065	0.0064	17	-0.59	1%	0
031.44	Phosphorus, ICP, Dry ash (%)	1023	0.3000	0.0000	0.3038	0.0065	0.0064	17	-0.59	1%	0
031.44	Phosphorus, ICP, Dry ash (%)	2380	0.3000	0.0000	0.3038	0.0065	0.0064	17	-0.59	1%	0
031.44	Phosphorus, ICP, Dry ash (%)	2382	0.3000	0.0000	0.3038	0.0065	0.0064	17	-0.59	1%	0
031.44	Phosphorus, ICP, Dry ash (%)	2444	0.3000	0.0000	0.3038	0.0065	0.0064	17	-0.59	1%	0
031.44	Phosphorus, ICP, Dry ash (%)	2480	0.3000	0.0000	0.3038	0.0065	0.0064	17	-0.59	1%	0
031.44	Phosphorus, ICP, Dry ash (%)	2471	0.3050	0.0100	0.3038	0.0065	0.0064	17	0.18	0%	0
031.44	Phosphorus, ICP, Dry ash (%)	2477	0.3050	0.0100	0.3038	0.0065	0.0064	17	0.18	0%	0
031.44	Phosphorus, ICP, Dry ash (%)	2478	0.3060	0.0020	0.3038	0.0065	0.0064	17	0.33	0%	0
031.44	Phosphorus, ICP, Dry ash (%)	2479	0.3065	0.0002	0.3038	0.0065	0.0064	17	0.41	0%	0
031.44	Phosphorus, ICP, Dry ash (%)	1021	0.3100	0.0000	0.3038	0.0065	0.0064	17	0.95	1%	0
031.44	Phosphorus, ICP, Dry ash (%)	2385	0.3100	0.0000	0.3038	0.0065	0.0064	17	0.95	1%	0
031.44	Phosphorus, ICP, Dry ash (%)	2441	0.3100	0.0000	0.3038	0.0065	0.0064	17	0.95	1%	0
031.44	Phosphorus, ICP, Dry ash (%)	2469	0.3100	0.0000	0.3038	0.0065	0.0064	17	0.95	1%	0
031.44	Phosphorus, ICP, Dry ash (%)	2445	0.3300	0.0000	0.3038	0.0065	0.0064	17	4.04	4%	0
031.44	Phosphorus, ICP, Dry ash (%)	2420	0.2800	0.0200	0.3038	0.0065	0.0064	17	-3.68	4%	1
031.53	Phosphorus, ICP-MS, Microwave (%)	0407	0.3145	0.0003				2			0
031.53	Phosphorus, ICP-MS, Microwave (%)	2428	0.3250	0.0100				2			0
031.99	Phosphorus, Miscellaneous (%)	2491	0.2550	0.0020	0.2894	0.0233	0.0058	4			0
031.99	Phosphorus, Miscellaneous (%)	2302	0.2950	0.0100	0.2894	0.0233	0.0058	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			
031.99	Phosphorus, Miscellaneous (%)	2490	0.3025	0.0010	0.2894	0.0233	0.0058	4			0
031.99	Phosphorus, Miscellaneous (%)	2486	0.3050	0.0100	0.2894	0.0233	0.0058	4			0
032.31	Potassium, AAS, Dry ash (%)	0208	0.3875	0.0030				2			0
032.31	Potassium, AAS, Dry ash (%)	0529	0.4100	0.0000				2			0
032.41	Potassium, ICP, Dry ash (%)	0139	0.3650	0.0100	0.3829	0.0157	0.0101	9	-1.14	2%	0
032.41	Potassium, ICP, Dry ash (%)	2399	0.3650	0.0100	0.3829	0.0157	0.0101	9	-1.14	2%	0
032.41	Potassium, ICP, Dry ash (%)	0226	0.3700	0.0000	0.3829	0.0157	0.0101	9	-0.82	2%	0
032.41	Potassium, ICP, Dry ash (%)	1024	0.3800	0.0000	0.3829	0.0157	0.0101	9	-0.19	0%	0
032.41	Potassium, ICP, Dry ash (%)	0171	0.3875	0.0010	0.3829	0.0157	0.0101	9	0.29	1%	0
032.41	Potassium, ICP, Dry ash (%)	0098	0.3900	0.0000	0.3829	0.0157	0.0101	9	0.45	1%	0
032.41	Potassium, ICP, Dry ash (%)	0208	0.3915	0.0170	0.3829	0.0157	0.0101	9	0.54	1%	0
032.41	Potassium, ICP, Dry ash (%)	0407	0.3924	0.0104	0.3829	0.0157	0.0101	9	0.60	1%	0
032.41	Potassium, ICP, Dry ash (%)	1020	0.4050	0.0100	0.3829	0.0157	0.0101	9	1.40	3%	0
032.42	Potassium, ICP, Open vessel (%)	0504	0.3320	0.0040				3			0
032.42	Potassium, ICP, Open vessel (%)	0613	0.3650	0.0100				3			0
032.42	Potassium, ICP, Open vessel (%)	0870	0.3862	0.0263				3			0
032.43	Potassium, ICP, Microwave (%)	0226	0.3300	0.0000	0.3883	0.0159	0.0103	20	-3.66	8%	0
032.43	Potassium, ICP, Microwave (%)	0001	0.3550	0.0000	0.3883	0.0159	0.0103	20	-2.09	4%	0
032.43	Potassium, ICP, Microwave (%)	2124	0.3550	0.0100	0.3883	0.0159	0.0103	20	-2.09	4%	0
032.43	Potassium, ICP, Microwave (%)	0051	0.3748	0.0073	0.3883	0.0159	0.0103	20	-0.85	2%	0
032.43	Potassium, ICP, Microwave (%)	2089	0.3750	0.0100	0.3883	0.0159	0.0103	20	-0.84	2%	0
032.43	Potassium, ICP, Microwave (%)	0027	0.3805	0.0010	0.3883	0.0159	0.0103	20	-0.49	1%	0
032.43	Potassium, ICP, Microwave (%)	2472	0.3816	0.0182	0.3883	0.0159	0.0103	20	-0.42	1%	0
032.43	Potassium, ICP, Microwave (%)	0511	0.3850	0.0100	0.3883	0.0159	0.0103	20	-0.21	0%	0
032.43	Potassium, ICP, Microwave (%)	2476	0.3865	0.0110	0.3883	0.0159	0.0103	20	-0.12	0%	0
032.43	Potassium, ICP, Microwave (%)	0098	0.3900	0.0000	0.3883	0.0159	0.0103	20	0.10	0%	0
032.43	Potassium, ICP, Microwave (%)	0510	0.3950	0.0100	0.3883	0.0159	0.0103	20	0.42	1%	0
032.43	Potassium, ICP, Microwave (%)	2473	0.3958	0.0082	0.3883	0.0159	0.0103	20	0.47	1%	0
032.43	Potassium, ICP, Microwave (%)	2438	0.3967	0.0049	0.3883	0.0159	0.0103	20	0.52	1%	0
032.43	Potassium, ICP, Microwave (%)	0870	0.3971	0.0082	0.3883	0.0159	0.0103	20	0.55	1%	0
032.43	Potassium, ICP, Microwave (%)	2436	0.3989	0.0098	0.3883	0.0159	0.0103	20	0.66	1%	0
032.43	Potassium, ICP, Microwave (%)	2435	0.3998	0.0139	0.3883	0.0159	0.0103	20	0.72	1%	0
032.43	Potassium, ICP, Microwave (%)	2439	0.4005	0.0168	0.3883	0.0159	0.0103	20	0.76	2%	0
032.43	Potassium, ICP, Microwave (%)	2437	0.4016	0.0059	0.3883	0.0159	0.0103	20	0.83	2%	0
032.43	Potassium, ICP, Microwave (%)	0407	0.4049	0.0287	0.3883	0.0159	0.0103	20	1.04	2%	0
032.43	Potassium, ICP, Microwave (%)	0010	0.4100	0.0000	0.3883	0.0159	0.0103	20	1.36	3%	0
032.44	Potassium, ICP, Dry ash (%)	2452	0.3400	0.0000	0.3610	0.0196	0.0100	16	-1.07	3%	0
032.44	Potassium, ICP, Dry ash (%)	2477	0.3400	0.0000	0.3610	0.0196	0.0100	16	-1.07	3%	0
032.44	Potassium, ICP, Dry ash (%)	2480	0.3400	0.0000	0.3610	0.0196	0.0100	16	-1.07	3%	0
032.44	Potassium, ICP, Dry ash (%)	2479	0.3435	0.0065	0.3610	0.0196	0.0100	16	-0.89	2%	0
032.44	Potassium, ICP, Dry ash (%)	2441	0.3450	0.0100	0.3610	0.0196	0.0100	16	-0.82	2%	0
032.44	Potassium, ICP, Dry ash (%)	2478	0.3469	0.0036	0.3610	0.0196	0.0100	16	-0.72	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	
032.44	Potassium, ICP, Dry ash (%)	2382	0.3500	0.0000	0.3610	0.0196	0.0100	16	-0.56	2%	0
032.44	Potassium, ICP, Dry ash (%)	2444	0.3600	0.0000	0.3610	0.0196	0.0100	16	-0.05	0%	0
032.44	Potassium, ICP, Dry ash (%)	2380	0.3700	0.0000	0.3610	0.0196	0.0100	16	0.46	1%	0
032.44	Potassium, ICP, Dry ash (%)	2385	0.3700	0.0000	0.3610	0.0196	0.0100	16	0.46	1%	0
032.44	Potassium, ICP, Dry ash (%)	2469	0.3700	0.0000	0.3610	0.0196	0.0100	16	0.46	1%	0
032.44	Potassium, ICP, Dry ash (%)	2471	0.3700	0.0000	0.3610	0.0196	0.0100	16	0.46	1%	0
032.44	Potassium, ICP, Dry ash (%)	1022	0.3800	0.0000	0.3610	0.0196	0.0100	16	0.97	3%	0
032.44	Potassium, ICP, Dry ash (%)	1023	0.3800	0.0000	0.3610	0.0196	0.0100	16	0.97	3%	0
032.44	Potassium, ICP, Dry ash (%)	2398	0.3800	0.0200	0.3610	0.0196	0.0100	16	0.97	3%	0
032.44	Potassium, ICP, Dry ash (%)	1021	0.3950	0.0100	0.3610	0.0196	0.0100	16	1.74	5%	0
032.44	Potassium, ICP, Dry ash (%)	2420	0.3500	0.0400	0.3610	0.0196	0.0100	16	-0.56	2%	1
032.53	Potassium, ICP-MS, Microwave (%)	2428	0.3850	0.0100				2			0
032.53	Potassium, ICP-MS, Microwave (%)	0407	0.3992	0.0110				2			0
032.99	Potassium, Miscellaneous (%)	0001	0.3820	0.0250				1			0
033.00	Salt as chloride, Sol Cl (%)	0309	0.0837	0.0207				1			0
033.00	Salt as chloride, Sol Cl (%)	0504	< 0.1					1			5
033.01	Salt as chloride, Poten Cl (%)	0510	0.0500	0.0000				3			0
033.01	Salt as chloride, Poten Cl (%)	0098	0.1100	0.0000				3			0
033.01	Salt as chloride, Poten Cl (%)	0407	0.1315	0.0010				3			0
034.04	Selenium, Total (Se), AA, Hydride (ppm)	0171	0.1150	0.0100				1			0
034.43	Selenium, Total (Se), ICP, Microwave (ppm)	2476	0.0000	0.0000				0			4
034.53	Selenium, Total (Se), ICP-MS, Microwave (ppr)	0407	0.1806	0.0008				1			0
034.53	Selenium, Total (Se), ICP-MS, Microwave (ppr)	2428	< 0.5					1			5
035.41	Sodium, ICP, Dry ash (%)	0098	0.0057	0.0005	0.0131	0.0054	0.0004	20	-1.38	22%	0
035.41	Sodium, ICP, Dry ash (%)	0139	0.0100	0.0000	0.0131	0.0054	0.0004	20	-0.57	0%	0
035.41	Sodium, ICP, Dry ash (%)	0226	0.0100	0.0000	0.0131	0.0054	0.0004	20	-0.57	0%	0
035.41	Sodium, ICP, Dry ash (%)	2380	0.0100	0.0000	0.0131	0.0054	0.0004	20	-0.57	0%	0
035.41	Sodium, ICP, Dry ash (%)	2382	0.0100	0.0000	0.0131	0.0054	0.0004	20	-0.57	0%	0
035.41	Sodium, ICP, Dry ash (%)	2385	0.0100	0.0000	0.0131	0.0054	0.0004	20	-0.57	0%	0
035.41	Sodium, ICP, Dry ash (%)	2398	0.0100	0.0000	0.0131	0.0054	0.0004	20	-0.57	0%	0
035.41	Sodium, ICP, Dry ash (%)	2420	0.0100	0.0000	0.0131	0.0054	0.0004	20	-0.57	0%	0
035.41	Sodium, ICP, Dry ash (%)	2444	0.0100	0.0000	0.0131	0.0054	0.0004	20	-0.57	0%	0
035.41	Sodium, ICP, Dry ash (%)	2452	0.0100	0.0000	0.0131	0.0054	0.0004	20	-0.57	0%	0
035.41	Sodium, ICP, Dry ash (%)	2469	0.0100	0.0000	0.0131	0.0054	0.0004	20	-0.57	0%	0
035.41	Sodium, ICP, Dry ash (%)	2471	0.0100	0.0000	0.0131	0.0054	0.0004	20	-0.57	0%	0
035.41	Sodium, ICP, Dry ash (%)	0407	0.0102	0.0001	0.0131	0.0054	0.0004	20	-0.54	1%	0
035.41	Sodium, ICP, Dry ash (%)	0171	0.0105	0.0010	0.0131	0.0054	0.0004	20	-0.48	2%	0
035.41	Sodium, ICP, Dry ash (%)	2399	0.0200	0.0000	0.0131	0.0054	0.0004	20	1.28	50%	0
035.41	Sodium, ICP, Dry ash (%)	2441	0.0200	0.0000	0.0131	0.0054	0.0004	20	1.28	50%	0
035.41	Sodium, ICP, Dry ash (%)	2477	0.0200	0.0000	0.0131	0.0054	0.0004	20	1.28	50%	0
035.41	Sodium, ICP, Dry ash (%)	2480	0.0200	0.0000	0.0131	0.0054	0.0004	20	1.28	50%	0
035.41	Sodium, ICP, Dry ash (%)	2479	0.0228	0.0000	0.0131	0.0054	0.0004	20	1.79	64%	0

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			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs	Z Score	%RSD	
035.41	Sodium, ICP, Dry ash (%)	2478	0.0229	0.0001	0.0131	0.0054	0.0004	20	1.80	64%	0
035.41	Sodium, ICP, Dry ash (%)	1020	0.0450	0.0100	0.0131	0.0054	0.0004	20	5.90	175%	1
035.41	Sodium, ICP, Dry ash (%)	1021	0.0000	0.0000	0.0131	0.0054	0.0004	20			4
035.41	Sodium, ICP, Dry ash (%)	1022	0.0000	0.0000	0.0131	0.0054	0.0004	20			4
035.41	Sodium, ICP, Dry ash (%)	1023	0.0000	0.0000	0.0131	0.0054	0.0004	20			4
035.41	Sodium, ICP, Dry ash (%)	1024	0.0000	0.0000	0.0131	0.0054	0.0004	20			4
035.42	Sodium, ICP, Open vessel (%)	0870	0.0050	0.0001				2			0
035.42	Sodium, ICP, Open vessel (%)	0613	0.0100	0.0000				2			0
035.42	Sodium, ICP, Open vessel (%)	0504	< 0.015					2			5
035.43	Sodium, ICP, Microwave (%)	0051	0.0053	0.0000	0.0075	0.0023	0.0009	6	-0.94	15%	0
035.43	Sodium, ICP, Microwave (%)	0870	0.0059	0.0002	0.0075	0.0023	0.0009	6	-0.69	11%	0
035.43	Sodium, ICP, Microwave (%)	0098	0.0061	0.0007	0.0075	0.0023	0.0009	6	-0.62	10%	0
035.43	Sodium, ICP, Microwave (%)	0510	0.0080	0.0020	0.0075	0.0023	0.0009	6	0.21	3%	0
035.43	Sodium, ICP, Microwave (%)	0407	0.0098	0.0006	0.0075	0.0023	0.0009	6	0.98	15%	0
035.43	Sodium, ICP, Microwave (%)	0226	0.0100	0.0000	0.0075	0.0023	0.0009	6	1.06	17%	0
035.43	Sodium, ICP, Microwave (%)	2089	0.0250	0.0100	0.0075	0.0023	0.0009	6	7.47	116%	1
035.43	Sodium, ICP, Microwave (%)	2124	< 0.01		0.0075	0.0023	0.0009	6			5
035.53	Sodium, ICP-MS, Microwave (%)	0407	0.0073	0.0001				1			0
036.04	Sulfur, LECO (%)	0226	0.1800	0.0000				1			0
036.42	Sulfur, ICP, Open vessel (%)	0407	0.1646	0.0033	0.1693	0.0062	0.0069	4			0
036.42	Sulfur, ICP, Open vessel (%)	0613	0.1650	0.0100	0.1693	0.0062	0.0069	4			0
036.42	Sulfur, ICP, Open vessel (%)	0870	0.1695	0.0102	0.1693	0.0062	0.0069	4			0
036.42	Sulfur, ICP, Open vessel (%)	0171	0.1780	0.0040	0.1693	0.0062	0.0069	4			0
036.43	Sulfur, ICP, Microwave (%)	0407	0.1665	0.0013	0.1841	0.0143	0.0056	10	-1.24	5%	0
036.43	Sulfur, ICP, Microwave (%)	0226	0.1700	0.0000	0.1841	0.0143	0.0056	10	-0.99	4%	0
036.43	Sulfur, ICP, Microwave (%)	0001	0.1735	0.0010	0.1841	0.0143	0.0056	10	-0.74	3%	0
036.43	Sulfur, ICP, Microwave (%)	2476	0.1765	0.0010	0.1841	0.0143	0.0056	10	-0.53	2%	0
036.43	Sulfur, ICP, Microwave (%)	0010	0.1850	0.0100	0.1841	0.0143	0.0056	10	0.06	0%	0
036.43	Sulfur, ICP, Microwave (%)	0510	0.1850	0.0100	0.1841	0.0143	0.0056	10	0.06	0%	0
036.43	Sulfur, ICP, Microwave (%)	0098	0.1877	0.0013	0.1841	0.0143	0.0056	10	0.25	1%	0
036.43	Sulfur, ICP, Microwave (%)	2089	0.1950	0.0100	0.1841	0.0143	0.0056	10	0.76	3%	0
036.43	Sulfur, ICP, Microwave (%)	0870	0.1966	0.0061	0.1841	0.0143	0.0056	10	0.87	3%	0
036.43	Sulfur, ICP, Microwave (%)	2428	0.3850	0.0100	0.1841	0.0143	0.0056	10	14.06	55%	0
037.31	Zinc, AAS, Dry ash (ppm)	0001	25.53	3.280				2			0
037.31	Zinc, AAS, Dry ash (ppm)	0529	31.95	0.7000				2			0
037.34	Zinc, AAS, Dry ash (ppm)	2435	29.75	1.100				1			0
037.41	Zinc, ICP, Dry ash (ppm)	1020	9.410	0.1540	24.51	10.53	0.4823	13	-1.43	31%	0
037.41	Zinc, ICP, Dry ash (ppm)	1024	9.746	0.8880	24.51	10.53	0.4823	13	-1.40	30%	0
037.41	Zinc, ICP, Dry ash (ppm)	0139	11.40	0.0600	24.51	10.53	0.4823	13	-1.24	27%	0
037.41	Zinc, ICP, Dry ash (ppm)	2399	14.56	0.6200	24.51	10.53	0.4823	13	-0.94	20%	0
037.41	Zinc, ICP, Dry ash (ppm)	2382	29.19	0.6700	24.51	10.53	0.4823	13	0.44	10%	0
037.41	Zinc, ICP, Dry ash (ppm)	2471	29.48	0.2400	24.51	10.53	0.4823	13	0.47	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)	2444	29.57	0.2400	24.51	10.53	0.4823	13	0.48	10%	0
037.41	Zinc, ICP, Dry ash (ppm)	2380	29.97	1.050	24.51	10.53	0.4823	13	0.52	11%	0
037.41	Zinc, ICP, Dry ash (ppm)	0171	30.50	0.4000	24.51	10.53	0.4823	13	0.57	12%	0
037.41	Zinc, ICP, Dry ash (ppm)	2469	30.68	0.1900	24.51	10.53	0.4823	13	0.59	13%	0
037.41	Zinc, ICP, Dry ash (ppm)	0407	30.79	0.7585	24.51	10.53	0.4823	13	0.60	13%	0
037.41	Zinc, ICP, Dry ash (ppm)	0098	31.03	0.1600	24.51	10.53	0.4823	13	0.62	13%	0
037.41	Zinc, ICP, Dry ash (ppm)	0226	32.30	0.8400	24.51	10.53	0.4823	13	0.74	16%	0
037.42	Zinc, ICP, Open vessel (ppm)	0870	25.65	1.340				3			0
037.42	Zinc, ICP, Open vessel (ppm)	0504	27.00	0.0000				3			0
037.42	Zinc, ICP, Open vessel (ppm)	0613	29.25	0.5800				3			0
037.43	Zinc, ICP, Microwave (ppm)	2476	25.51	1.670	29.33	2.636	0.6979	18	-1.45	7%	0
037.43	Zinc, ICP, Microwave (ppm)	0226	25.87	0.9600	29.33	2.636	0.6979	18	-1.31	6%	0
037.43	Zinc, ICP, Microwave (ppm)	2445	26.31	0.6600	29.33	2.636	0.6979	18	-1.15	5%	0
037.43	Zinc, ICP, Microwave (ppm)	0051	26.48	0.4700	29.33	2.636	0.6979	18	-1.08	5%	0
037.43	Zinc, ICP, Microwave (ppm)	0511	27.50	1.000	29.33	2.636	0.6979	18	-0.69	3%	0
037.43	Zinc, ICP, Microwave (ppm)	2124	27.66	1.010	29.33	2.636	0.6979	18	-0.64	3%	0
037.43	Zinc, ICP, Microwave (ppm)	0001	28.70	0.6000	29.33	2.636	0.6979	18	-0.24	1%	0
037.43	Zinc, ICP, Microwave (ppm)	2472	28.80	0.8000	29.33	2.636	0.6979	18	-0.20	1%	0
037.43	Zinc, ICP, Microwave (ppm)	2436	30.05	0.1000	29.33	2.636	0.6979	18	0.27	1%	0
037.43	Zinc, ICP, Microwave (ppm)	0870	30.07	0.7700	29.33	2.636	0.6979	18	0.28	1%	0
037.43	Zinc, ICP, Microwave (ppm)	2437	30.15	0.1000	29.33	2.636	0.6979	18	0.31	1%	0
037.43	Zinc, ICP, Microwave (ppm)	0407	30.70	0.0909	29.33	2.636	0.6979	18	0.52	2%	0
037.43	Zinc, ICP, Microwave (ppm)	0010	30.85	0.3000	29.33	2.636	0.6979	18	0.58	3%	0
037.43	Zinc, ICP, Microwave (ppm)	0510	31.00	0.0000	29.33	2.636	0.6979	18	0.63	3%	0
037.43	Zinc, ICP, Microwave (ppm)	2473	31.20	0.4000	29.33	2.636	0.6979	18	0.71	3%	0
037.43	Zinc, ICP, Microwave (ppm)	2438	31.88	2.350	29.33	2.636	0.6979	18	0.97	4%	0
037.43	Zinc, ICP, Microwave (ppm)	2089	31.95	1.370	29.33	2.636	0.6979	18	0.99	4%	0
037.43	Zinc, ICP, Microwave (ppm)	0098	33.75	0.2000	29.33	2.636	0.6979	18	1.68	8%	0
037.43	Zinc, ICP, Microwave (ppm)	2439	1,540	3,020	29.33	2.636	0.6979	18	>100	2576%	2
037.44	Zinc, ICP, Dry ash (ppm)	1022	9.282	0.7970	24.27	11.63	0.4823	9	-1.29	31%	0
037.44	Zinc, ICP, Dry ash (ppm)	1023	10.74	0.5100	24.27	11.63	0.4823	9	-1.16	28%	0
037.44	Zinc, ICP, Dry ash (ppm)	1021	11.88	0.2300	24.27	11.63	0.4823	9	-1.07	26%	0
037.44	Zinc, ICP, Dry ash (ppm)	2441	30.53	1.050	24.27	11.63	0.4823	9	0.54	13%	0
037.44	Zinc, ICP, Dry ash (ppm)	2385	30.60	0.3500	24.27	11.63	0.4823	9	0.54	13%	0
037.44	Zinc, ICP, Dry ash (ppm)	2477	30.88	0.5700	24.27	11.63	0.4823	9	0.57	14%	0
037.44	Zinc, ICP, Dry ash (ppm)	2479	31.50	0.3810	24.27	11.63	0.4823	9	0.62	15%	0
037.44	Zinc, ICP, Dry ash (ppm)	2480	31.52	0.1100	24.27	11.63	0.4823	9	0.62	15%	0
037.44	Zinc, ICP, Dry ash (ppm)	2478	31.53	0.4728	24.27	11.63	0.4823	9	0.62	15%	0
037.44	Zinc, ICP, Dry ash (ppm)	2398	15.63	5.110	24.27	11.63	0.4823	9	-0.74	18%	1
037.53	Zinc, ICP-MS, Microwave (ppm)	0407	28.84	0.5404				2			0
037.53	Zinc, ICP-MS, Microwave (ppm)	2428	29.50	1.000				2			0
038.41	Molybdenum, ICP, Dry ash (ppm)	0171	0.9600	0.0800				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			
038.41	Molybdenum, ICP, Dry ash (ppm)	0407	1.213	0.0449				2		0	
038.43	Molybdenum, ICP, Microwave (ppm)	0510	1.300	0.0000				3		0	
038.43	Molybdenum, ICP, Microwave (ppm)	2476	1.331	0.1010				3		0	
038.43	Molybdenum, ICP, Microwave (ppm)	0407	1.331	0.0328				3		0	
038.53	Molybdenum, ICP-MS, Microwave (ppm)	2428	1.300	0.0000				2		0	
038.53	Molybdenum, ICP-MS, Microwave (ppm)	0407	1.342	0.0491				2		0	
040.53	Barium, ICP-MS, Microwave (ppm)	0407	1.897	0.0752				1		0	
041.53	Vanadium, ICP-MS, Microwave (ppm)	0407	0.0293	0.0017				1		0	
042.99	Chloride, Miscellaneous (%)	0613	0.0924	0.0308				1		0	
120.00	Alanine, Post-col Ninhydrin Der (%)	0504	0.5800	0.0200				2		0	
120.00	Alanine, Post-col Ninhydrin Der (%)	0226	0.5889	0.0004				2		0	
120.05	Alanine, Pre-col AQC Der (%)	0407	0.4565	0.0030				2		0	
120.05	Alanine, Pre-col AQC Der (%)	0870	0.5675	0.0030				2		0	
120.99	Alanine, Miscellaneous (%)	2428	0.6530	0.2000				2		0	
120.99	Alanine, Miscellaneous (%)	0889	0.9500	0.0100				2		0	
121.00	Arginine, Post-col Ninhydrin Der (%)	0504	0.7700	0.0200				2		0	
121.00	Arginine, Post-col Ninhydrin Der (%)	0226	0.7960	0.0034				2		0	
121.05	Arginine, Pre-col AQC Der (%)	0407	0.6940	0.0120				2		0	
121.05	Arginine, Pre-col AQC Der (%)	0870	0.7395	0.0210				2		0	
121.99	Arginine, Miscellaneous (%)	2428	0.7165	0.0030				2		0	
121.99	Arginine, Miscellaneous (%)	0889	0.7750	0.0000				2		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0226	0.9646	0.0475				2		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0504	0.9800	0.0200				2		0	
122.05	Aspartic, Pre-col AQC Der (%)	0407	0.7720	0.0080				2		0	
122.05	Aspartic, Pre-col AQC Der (%)	0870	0.9605	0.0490				2		0	
122.99	Aspartic, Miscellaneous (%)	0889	0.8350	0.0100				2		0	
122.99	Aspartic, Miscellaneous (%)	2428	1.092	0.2160				2		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0226	0.3579	0.0037				2		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0504	0.3750	0.0100				2		0	
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0407	0.2349	0.0015				2		0	
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0870	0.2710	0.0140				2		0	
124.99	Cysteine/Cystine, Miscellaneous (%)	0889	0.3050	0.0000				2		0	
124.99	Cysteine/Cystine, Miscellaneous (%)	2428	0.5915	0.2570				2		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0504	2.600	0.0600				2		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0226	2.725	0.0251				2		0	
125.05	Glutamic, Pre-col AQC Der (%)	0407	1.814	0.0140				2		0	
125.05	Glutamic, Pre-col AQC Der (%)	0870	2.775	0.1540				2		0	
125.99	Glutamic, Miscellaneous (%)	0889	1.180	0.0000				2		0	
125.99	Glutamic, Miscellaneous (%)	2428	2.850	0.1000				2		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0504	0.6100	0.0200				2		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0226	0.6139	0.0039				2		0	
126.05	Glycine, Pre-col AQC Der (%)	0407	0.4845	0.0030				2		0	

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			Value	Range	Rob. Mean	Robust SD	Rob. R-bar	# Labs			
126.05	Glycine, Pre-col AQC Der (%)	0870	0.5830	0.0300				2		0	
126.99	Glycine, Miscellaneous (%)	0889	0.4150	0.0000				2		0	
126.99	Glycine, Miscellaneous (%)	2428	0.7970	0.1520				2		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0226	0.2473	0.0029				2		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0504	0.2750	0.0100				2		0	
127.05	Histidine, Pre-col AQC Der (%)	0407	0.2435	0.0010				2		0	
127.05	Histidine, Pre-col AQC Der (%)	0870	0.2685	0.0130				2		0	
127.99	Histidine, Miscellaneous (%)	2428	0.2660	0.0240				2		0	
127.99	Histidine, Miscellaneous (%)	0889	0.4150	0.0000				2		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0226	0.4328	0.0230				2		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0504	0.4950	0.0100				2		0	
128.05	Isoleucine, Pre-col AQC Der (%)	0407	0.3610	0.0020				2		0	
128.05	Isoleucine, Pre-col AQC Der (%)	0870	0.4620	0.0200				2		0	
128.99	Isoleucine, Miscellaneous (%)	2428	0.4700	0.0240				2		0	
128.99	Isoleucine, Miscellaneous (%)	0889	0.6700	0.0000				2		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0504	0.9200	0.0200				2		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0226	0.9265	0.0203				2		0	
129.05	Leucine, Pre-col AQC Der (%)	0407	0.6655	0.0050				2		0	
129.05	Leucine, Pre-col AQC Der (%)	0870	0.9245	0.0490				2		0	
129.99	Leucine, Miscellaneous (%)	0889	0.8775	0.0050				2		0	
129.99	Leucine, Miscellaneous (%)	2428	1.100	0.2000				2		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0226	0.4677	0.0054				2		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0504	0.5350	0.0100				2		0	
130.05	L-Lysine, Pre-col AQC Der (%)	0407	0.4225	0.0030				2		0	
130.05	L-Lysine, Pre-col AQC Der (%)	0870	0.4820	0.0260				2		0	
130.99	L-Lysine, Miscellaneous (%)	2428	0.4895	0.0330				2		0	
130.99	L-Lysine, Miscellaneous (%)	0889	0.6900	0.0200				2		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0226	0.2140	0.0041				2		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0504	0.2250	0.0100				2		0	
131.05	Methionine, PAO Pre-col AQC Der (%)	0407	0.1832	0.0008				2		0	
131.05	Methionine, PAO Pre-col AQC Der (%)	0870	0.2190	0.0040				2		0	
131.99	Methionine, Miscellaneous (%)	0889	0.0200	0.0100				2		0	
131.99	Methionine, Miscellaneous (%)	2428	0.1815	0.0190				2		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0226	0.5997	0.0194				2		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0504	0.6400	0.0200				2		0	
132.05	Phenylalanine, Pre-col AQC Der (%)	0407	0.4825	0.0030				2		0	
132.05	Phenylalanine, Pre-col AQC Der (%)	0870	0.6335	0.0230				2		0	
132.99	Phenylalanine, Miscellaneous (%)	0889	0.4450	0.0000				2		0	
132.99	Phenylalanine, Miscellaneous (%)	2428	0.6900	0.0100				2		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0504	0.6300	0.0200				2		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0226	0.6755	0.0179				2		0	
133.05	Proline, Pre-col AQC Der (%)	0407	0.5070	0.0040				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			
133.05	Proline, Pre-col AQC Der (%)	0870	0.6625	0.0410				2		0	
133.99	Proline, Miscellaneous (%)	2428	0.6240	0.0440				2		0	
133.99	Proline, Miscellaneous (%)	0889	0.8900	0.0000				2		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0504	0.5250	0.0100				2		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0226	0.6047	0.0042				2		0	
134.05	Serine, Pre-col AQC Der (%)	0407	0.4665	0.0050				2		0	
134.05	Serine, Pre-col AQC Der (%)	0870	0.6290	0.0360				2		0	
134.99	Serine, Miscellaneous (%)	0889	0.6400	0.0000				2		0	
134.99	Serine, Miscellaneous (%)	2428	1.400	0.4000				2		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0226	0.4003	0.0042				2		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0504	0.4100	0.0200				2		0	
135.05	Threonine, Pre-col AQC Der (%)	0407	0.3670	0.0020				2		0	
135.05	Threonine, Pre-col AQC Der (%)	0870	0.4260	0.0060				2		0	
135.99	Threonine, Miscellaneous (%)	0889	0.5075	0.0050				2		0	
135.99	Threonine, Miscellaneous (%)	2428	0.5110	0.0080				2		0	
136.03	Tryptophan, Alka-Hydrol + IS RP LC FI (%)	0226	0.1754	0.0054				1		0	
136.05	Tryptophan, Pre-col AQC Der (%)	0407	0.1325	0.0010				2		0	
136.05	Tryptophan, Pre-col AQC Der (%)	0870	0.1445	0.0050				2		0	
136.99	Tryptophan, Miscellaneous (%)	0504	0.1150	0.0100				3		0	
136.99	Tryptophan, Miscellaneous (%)	2428	0.1885	0.0190				3		0	
136.99	Tryptophan, Miscellaneous (%)	0889	0.4750	0.0000				3		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0504	0.3250	0.0300				2		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0226	0.3707	0.0112				2		0	
137.05	Tyrosine, Pre-col AQC Der (%)	0407	0.3120	0.0020				2		0	
137.05	Tyrosine, Pre-col AQC Der (%)	0870	0.3440	0.0100				2		0	
137.99	Tyrosine, Miscellaneous (%)	2428	0.2390	0.0600				2		0	
137.99	Tyrosine, Miscellaneous (%)	0889	0.4750	0.0000				2		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0226	0.6014	0.0276				2		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0504	0.6650	0.0100				2		0	
138.05	Valine, Pre-col AQC Der (%)	0407	0.4735	0.0030				2		0	
138.05	Valine, Pre-col AQC Der (%)	0870	0.6300	0.0200				2		0	
138.99	Valine, Miscellaneous (%)	2428	0.5055	0.0150				2		0	
138.99	Valine, Miscellaneous (%)	0889	0.6025	0.0050				2		0	
139.00	Taurine, Post-col Ninhydrin Der (%)	0504	0.2100	0.0200				1		0	
139.05	Taurine, Pre-col AQC Der (%)	0407	0.0610	0.0000				1		0	
400.01	Water Activity, Aqualab chilled mirror (Units)	0407	0.3924	0.0000				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	0.0069	0.0005				1		0	
518.41	Cadmium, ICP, Dry ash (ppm)	0407	0.0173	0.0010				1		0	
518.43	Cadmium, ICP, Microwave (ppm)	0407	0.0259	0.0095				1		0	
518.43	Cadmium, ICP, Microwave (ppm)	2124	< 0.16					1		5	
518.53	Cadmium, ICP-MS, Microwave (ppm)	0407	0.0177	0.0006				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			
518.53	Cadmium, ICP-MS, Microwave (ppm)	2428	< 0.25					1		5	
520.41	Chromium, Total (Cr), ICP, Dry ash (ppm)	0407	1.660	0.0816				1		0	
520.43	Chromium, Total (Cr), ICP, Microwave (ppm)	0226	1.935	0.0900				3		0	
520.43	Chromium, Total (Cr), ICP, Microwave (ppm)	0407	3.091	0.0181				3		0	
520.43	Chromium, Total (Cr), ICP, Microwave (ppm)	0510	4.165	0.0100				3		0	
520.53	Chromium, Total (Cr), ICP-MS, Microwave (ppr)	0407	3.939	0.1138				2		0	
520.53	Chromium, Total (Cr), ICP-MS, Microwave (ppr)	2428	4.300	0.0000				2		0	
526.41	Lead, ICP, Dry ash (ppm)	0407	0.0660	0.0490				1		0	
526.43	Lead, ICP, Microwave (ppm)	0407	0.1528	0.0601				1		0	
526.53	Lead, ICP-MS, Microwave (ppm)	0407	0.0064	0.0011				1		0	
526.53	Lead, ICP-MS, Microwave (ppm)	2428	< 0.5					1		5	
529.99	Mercury, Miscellaneous (ppb)	0407	1.569	0.0573				1		0	
529.99	Mercury, Miscellaneous (ppb)	2428	< 0.1					1		5	
539.41	Nickel, ICP, Dry ash (ppm)	0407	4.854	0.0759				1		0	
539.43	Nickel, ICP, Microwave (ppm)	0407	4.973	0.0433				1		0	
539.53	Nickel, ICP-MS, Microwave (ppm)	2428	5.550	0.1000				2		0	
539.53	Nickel, ICP-MS, Microwave (ppm)	0407	5.808	0.2155				2		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.