AAFCO Check Sample Program

AAFCO CSP Pet Food Program

Proficiency For Individual Methods

All Tests Report

Pet Food Program

Sample # 201543

 # Labs Reporting: 58

Pork and Bone Meal

Issue Date : 10/31/2015

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0914	3.6450	0.03000	4.3585	0.50679	0.09222	5	-0.78	15%	0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0309	4.3872	0.19910	4.3585	0.50679	0.09222	5	-0.42	8%	0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0027	4.5870	0.03200	4.3585	0.50679	0.09222	5	-0.33	6%	0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0504	4.8150	0.07000	4.3585	0.50679	0.09222	5	-0.22	4%	0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0034	8.9150	0.13000	4.3585	0.50679	0.09222	5	1.75	35%	0
001.03	Loss on Drying, Low temp. methods (%)	2094	4.8600	0.28000			0.28000	1			0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0171	4.3100	0.06000	4.4605	0.16793	0.05500	5	-0.90	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0098	4.3450	0.05000	4.4605	0.16793	0.05500	5	-0.69	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0003	4.4200	0.06000	4.4605	0.16793	0.05500	5	-0.24	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0015	4.4950	0.01000	4.4605	0.16793	0.05500	5	0.21	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0065	4.7325	0.09500	4.4605	0.16793	0.05500	5	1.62	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0074	4.2650	0.69000	4.4605	0.16793	0.05500	5	-1.16	2%	1
001.99	Loss on Drying, Miscellaneous (%)	0876	4.8400	0.04000			0.07000	2	-0.71	45%	0
001.99	Loss on Drying, Miscellaneous (%)	0510	96.150	0.10000			0.07000	2	0.71	45%	0
002.01	Protein, Auto Kjel-Foss (%)	2023	47.685	1.2300	48.676	1.1641	0.73933	3	-0.85	1%	0
002.01	Protein, Auto Kjel-Foss (%)	0164	48.385	0.59000	48.676	1.1641	0.73933	3	-0.25	0%	0
002.01	Protein, Auto Kjel-Foss (%)	0870	49.958	0.39800	48.676	1.1641	0.73933	3	1.10	1%	0
002.02	Protein, Semiauto Autoanalyzer (%)	0042	49.430	0.16000			0.16000	1			0
002.04	Protein, Copper Catalyst (%)	0504	50.020	0.36000			0.36000	1			0
002.05	Protein, Copper, Boric Acid (%)	0015	48.780	1.8400			1.8400	1			0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0202	47.235	0.03000	49.492	0.58903	0.56433	45	**-3.83**	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0958	48.030	1.2600	49.492	0.58903	0.56433	45	**-2.48**	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0001	48.105	0.73000	49.492	0.58903	0.56433	45	**-2.35**	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0511	48.250	0.18000	49.492	0.58903	0.56433	45	**-2.11**	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0098	48.350	0.30000	49.492	0.58903	0.56433	45	**-1.94**	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0014	48.500	0.60000	49.492	0.58903	0.56433	45	**-1.68**	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0027	48.515	0.95000	49.492	0.58903	0.56433	45	**-1.66**	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0960	48.645	0.87000	49.492	0.58903	0.56433	45	**-1.44**	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0870	48.803	0.06070	49.492	0.58903	0.56433	45	**-1.17**	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2023	48.940	0.58000	49.492	0.58903	0.56433	45	**-0.94**	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0047	49.000	0.78000	49.492	0.58903	0.56433	45	**-0.83**	0%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
002.06	Protein, Combustion Nitrogen Analyzer (%)	0171	49.050	0.30000	49.492	0.58903	0.56433	45	-0.75	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0074	49.075	0.01000	49.492	0.58903	0.56433	45	-0.71	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0504	49.140	0.04000	49.492	0.58903	0.56433	45	-0.60	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0512	49.205	0.99000	49.492	0.58903	0.56433	45	-0.49	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2094	49.255	0.31000	49.492	0.58903	0.56433	45	-0.40	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0789	49.260	1.0200	49.492	0.58903	0.56433	45	-0.39	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0961	49.275	0.79000	49.492	0.58903	0.56433	45	-0.37	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0876	49.350	0.02000	49.492	0.58903	0.56433	45	-0.24	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0417	49.355	0.27000	49.492	0.58903	0.56433	45	-0.23	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2089	49.385	0.07000	49.492	0.58903	0.56433	45	-0.18	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0792	49.440	0.74000	49.492	0.58903	0.56433	45	-0.09	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0309	49.653	1.8940	49.492	0.58903	0.56433	45	0.27	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0208	49.670	0.04000	49.492	0.58903	0.56433	45	0.30	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0790	49.680	0.24000	49.492	0.58903	0.56433	45	0.32	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0164	49.695	0.07000	49.492	0.58903	0.56433	45	0.34	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0510	49.700	0.40000	49.492	0.58903	0.56433	45	0.35	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0003	49.705	0.95000	49.492	0.58903	0.56433	45	0.36	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	1005	49.710	0.76000	49.492	0.58903	0.56433	45	0.37	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0959	49.720	0.82000	49.492	0.58903	0.56433	45	0.39	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0407	49.728	0.93000	49.492	0.58903	0.56433	45	0.40	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0808	49.840	0.10000	49.492	0.58903	0.56433	45	0.59	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0553	49.850	3.3000	49.492	0.58903	0.56433	45	0.61	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0811	49.865	0.03000	49.492	0.58903	0.56433	45	0.63	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0042	49.895	0.19000	49.492	0.58903	0.56433	45	0.68	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0842	49.935	0.79000	49.492	0.58903	0.56433	45	0.75	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	1010	49.955	0.35000	49.492	0.58903	0.56433	45	0.79	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0841	50.005	0.07000	49.492	0.58903	0.56433	45	0.87	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0810	50.065	0.21000	49.492	0.58903	0.56433	45	0.97	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0650	50.185	0.15000	49.492	0.58903	0.56433	45	1.18	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0840	50.195	1.1700	49.492	0.58903	0.56433	45	1.19	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0957	50.280	0.76000	49.492	0.58903	0.56433	45	1.34	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0794	50.430	0.52000	49.492	0.58903	0.56433	45	1.59	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0065	50.587	0.50900	49.492	0.58903	0.56433	45	1.86	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0034	52.737	0.24100	49.492	0.58903	0.56433	45	5.51	3%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0964	34.353	29.299	49.492	0.58903	0.56433	45	-25.70	15%	2
002.08	Protein, Cu/Ti (%)	0098	49.310	0.62000			0.62000	1			0
002.11	Protein, NIR (%)	0553	46.465	0.97000	48.410	2.3702	0.82667	3	-0.82	2%	0
002.11	Protein, NIR (%)	2036	47.715	1.4100	48.410	2.3702	0.82667	3	-0.29	1%	0
002.11	Protein, NIR (%)	0051	51.050	0.10000	48.410	2.3702	0.82667	3	1.11	3%	0
002.99	Protein, Miscellaneous (%)	2004	48.150	0.10000	48.950	0.72111	0.70000	3	-1.11	1%	0
002.99	Protein, Miscellaneous (%)	0969	49.150	0.70000	48.950	0.72111	0.70000	3	0.28	0%	0
002.99	Protein, Miscellaneous (%)	0970	49.550	1.3000	48.950	0.72111	0.70000	3	0.83	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
003.00	Fat, Eth Ext., Direct (%)	0309	11.723	0.39870			0.39870	1			0
003.01	Fat, Ind Eth Ext (13th ed.), Indirect (%)	0504	10.300	0.28000			0.28000	1			0
003.06	Fat, Pet Ether (%)	0511	12.225	0.25000			0.73500	2	-0.71	0%	0
003.06	Fat, Pet Ether (%)	0074	12.260	1.2200			0.73500	2	0.71	0%	0
003.09	Fat, Soxtec, Eth Ext (%)	0098	11.595	0.07000	11.675	0.07000	0.09000	3	-1.14	0%	0
003.09	Fat, Soxtec, Eth Ext (%)	0027	11.705	0.11000	11.675	0.07000	0.09000	3	0.43	0%	0
003.09	Fat, Soxtec, Eth Ext (%)	2089	11.725	0.09000	11.675	0.07000	0.09000	3	0.71	0%	0
003.10	Fat, Soxtec, Pet Ether (%)	0553	11.260	0.24000	11.455	0.18424	0.10460	3	-1.06	1%	0
003.10	Fat, Soxtec, Pet Ether (%)	0098	11.480	0.06000	11.455	0.18424	0.10460	3	0.13	0%	0
003.10	Fat, Soxtec, Pet Ether (%)	0870	11.626	0.01380	11.455	0.18424	0.10460	3	0.93	1%	0
003.11	Fat, NIR (%)	0051	10.950	0.10000			0.09500	2	-0.71	3%	0
003.11	Fat, NIR (%)	2036	12.505	0.09000			0.09500	2	0.71	3%	0
003.12	Fat, Hexane Ext (%)	0171	11.795	0.09000			0.09000	1			0
003.13	Fat, Soxtec, Hexane Ext. (%)	0033	9.8000	0.22000	10.813	0.89389	0.10667	3	-1.13	5%	0
003.13	Fat, Soxtec, Hexane Ext. (%)	0208	11.150	0.10000	10.813	0.89389	0.10667	3	0.38	2%	0
003.13	Fat, Soxtec, Hexane Ext. (%)	0098	11.490	0.00000	10.813	0.89389	0.10667	3	0.76	3%	0
003.14	Fat, Ankom (%)	0202	11.270	0.08000	11.605	0.23579	0.24456	5	-1.42	1%	0
003.14	Fat, Ankom (%)	0003	11.470	0.64000	11.605	0.23579	0.24456	5	-0.57	1%	0
003.14	Fat, Ankom (%)	0034	11.685	0.25000	11.605	0.23579	0.24456	5	0.34	0%	0
003.14	Fat, Ankom (%)	2023	11.735	0.13000	11.605	0.23579	0.24456	5	0.55	1%	0
003.14	Fat, Ankom (%)	0407	11.867	0.12280	11.605	0.23579	0.24456	5	1.11	1%	0
003.99	Fat, Miscellaneous (%)	0047	11.430	0.02000	12.197	1.2087	0.26667	3	-0.63	3%	0
003.99	Fat, Miscellaneous (%)	0876	11.570	0.24000	12.197	1.2087	0.26667	3	-0.52	3%	0
003.99	Fat, Miscellaneous (%)	0914	13.590	0.54000	12.197	1.2087	0.26667	3	1.15	6%	0
004.00	Fiber, Crude, Asbestos Free (%)	0969	1.3050	0.11000	1.8496	0.32214	0.11383	9	**-1.69**	15%	0
004.00	Fiber, Crude, Asbestos Free (%)	2094	1.3550	0.43000	1.8496	0.32214	0.11383	9	**-1.54**	13%	0
004.00	Fiber, Crude, Asbestos Free (%)	0876	1.6300	0.32000	1.8496	0.32214	0.11383	9	**-0.68**	6%	0
004.00	Fiber, Crude, Asbestos Free (%)	2004	1.7400	0.06000	1.8496	0.32214	0.11383	9	**-0.34**	3%	0
004.00	Fiber, Crude, Asbestos Free (%)	0208	1.9450	0.01000	1.8496	0.32214	0.11383	9	**0.30**	3%	0
004.00	Fiber, Crude, Asbestos Free (%)	0309	1.9457	0.06450	1.8496	0.32214	0.11383	9	**0.30**	3%	0
004.00	Fiber, Crude, Asbestos Free (%)	0511	2.0000	0.00000	1.8496	0.32214	0.11383	9	**0.47**	4%	0
004.00	Fiber, Crude, Asbestos Free (%)	2023	2.0750	0.01000	1.8496	0.32214	0.11383	9	**0.70**	6%	0
004.00	Fiber, Crude, Asbestos Free (%)	0171	2.8200	0.02000	1.8496	0.32214	0.11383	9	**3.01**	26%	0
004.06	Fiber, Fibertec (%)	0098	1.7300	0.08000			0.05500	2	-0.71	3%	0
004.06	Fiber, Fibertec (%)	0027	1.9350	0.03000			0.05500	2	0.71	3%	0
004.07	Fiber, ANKOM (%)	0553	1.3050	0.33000	2.4471	0.47621	0.23465	11	**-2.40**	23%	0
004.07	Fiber, ANKOM (%)	0042	1.8550	0.37000	2.4471	0.47621	0.23465	11	**-1.24**	12%	0
004.07	Fiber, ANKOM (%)	0074	1.9150	0.35000	2.4471	0.47621	0.23465	11	**-1.12**	11%	0
004.07	Fiber, ANKOM (%)	0003	2.1750	0.37000	2.4471	0.47621	0.23465	11	**-0.57**	6%	0
004.07	Fiber, ANKOM (%)	0033	2.4000	0.16000	2.4471	0.47621	0.23465	11	**-0.10**	1%	0
004.07	Fiber, ANKOM (%)	0510	2.5500	0.30000	2.4471	0.47621	0.23465	11	**0.22**	2%	0
004.07	Fiber, ANKOM (%)	0870	2.6439	0.09780	2.4471	0.47621	0.23465	11	**0.41**	4%	0

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004.07	Fiber, ANKOM (%)	0407	2.6849	0.11340	2.4471	0.47621	0.23465	11	0.50	5%	0
004.07	Fiber, ANKOM (%)	0202	2.7200	0.02000	2.4471	0.47621	0.23465	11	0.57	6%	0
004.07	Fiber, ANKOM (%)	0098	2.8350	0.07000	2.4471	0.47621	0.23465	11	0.81	8%	0
004.07	Fiber, ANKOM (%)	0034	4.5000	0.40000	2.4471	0.47621	0.23465	11	4.31	42%	0
004.11	Fiber, NIR (%)	2036	1.5800	0.04000			0.04000	1			0
005.00	Ash, 2h @ 600°C (%)	0811	21.955	0.39000	22.932	0.55460	0.47911	34	-1.76	2%	0
005.00	Ash, 2h @ 600°C (%)	0650	22.110	0.32000	22.932	0.55460	0.47911	34	-1.48	2%	0
005.00	Ash, 2h @ 600°C (%)	1010	22.140	0.08000	22.932	0.55460	0.47911	34	-1.43	2%	0
005.00	Ash, 2h @ 600°C (%)	0840	22.225	0.13000	22.932	0.55460	0.47911	34	-1.27	2%	0
005.00	Ash, 2h @ 600°C (%)	0957	22.270	0.38000	22.932	0.55460	0.47911	34	-1.19	1%	0
005.00	Ash, 2h @ 600°C (%)	0960	22.330	0.16000	22.932	0.55460	0.47911	34	-1.09	1%	0
005.00	Ash, 2h @ 600°C (%)	0027	22.465	0.69000	22.932	0.55460	0.47911	34	-0.84	1%	0
005.00	Ash, 2h @ 600°C (%)	0959	22.510	0.72000	22.932	0.55460	0.47911	34	-0.76	1%	0
005.00	Ash, 2h @ 600°C (%)	0407	22.555	0.67610	22.932	0.55460	0.47911	34	-0.68	1%	0
005.00	Ash, 2h @ 600°C (%)	0808	22.610	0.22000	22.932	0.55460	0.47911	34	-0.58	1%	0
005.00	Ash, 2h @ 600°C (%)	0870	22.648	1.2548	22.932	0.55460	0.47911	34	-0.51	1%	0
005.00	Ash, 2h @ 600°C (%)	0841	22.655	0.05000	22.932	0.55460	0.47911	34	-0.50	1%	0
005.00	Ash, 2h @ 600°C (%)	0964	22.755	0.17000	22.932	0.55460	0.47911	34	-0.32	0%	0
005.00	Ash, 2h @ 600°C (%)	0098	22.810	0.28000	22.932	0.55460	0.47911	34	-0.22	0%	0
005.00	Ash, 2h @ 600°C (%)	0842	22.830	0.16000	22.932	0.55460	0.47911	34	-0.18	0%	0
005.00	Ash, 2h @ 600°C (%)	0015	22.865	0.79000	22.932	0.55460	0.47911	34	-0.12	0%	0
005.00	Ash, 2h @ 600°C (%)	0810	22.865	0.05000	22.932	0.55460	0.47911	34	-0.12	0%	0
005.00	Ash, 2h @ 600°C (%)	0042	23.070	1.0200	22.932	0.55460	0.47911	34	0.25	0%	0
005.00	Ash, 2h @ 600°C (%)	0171	23.090	0.06000	22.932	0.55460	0.47911	34	0.28	0%	0
005.00	Ash, 2h @ 600°C (%)	0033	23.100	0.00000	22.932	0.55460	0.47911	34	0.30	0%	0
005.00	Ash, 2h @ 600°C (%)	0309	23.111	0.08400	22.932	0.55460	0.47911	34	0.32	0%	0
005.00	Ash, 2h @ 600°C (%)	0958	23.160	1.4400	22.932	0.55460	0.47911	34	0.41	0%	0
005.00	Ash, 2h @ 600°C (%)	0034	23.195	0.65000	22.932	0.55460	0.47911	34	0.47	1%	0
005.00	Ash, 2h @ 600°C (%)	0961	23.230	0.34000	22.932	0.55460	0.47911	34	0.54	1%	0
005.00	Ash, 2h @ 600°C (%)	0164	23.330	0.60000	22.932	0.55460	0.47911	34	0.72	1%	0
005.00	Ash, 2h @ 600°C (%)	0417	23.355	0.41000	22.932	0.55460	0.47911	34	0.76	1%	0
005.00	Ash, 2h @ 600°C (%)	0001	23.396	0.18490	22.932	0.55460	0.47911	34	0.84	1%	0
005.00	Ash, 2h @ 600°C (%)	0047	23.450	1.5800	22.932	0.55460	0.47911	34	0.93	1%	0
005.00	Ash, 2h @ 600°C (%)	0510	23.450	0.72000	22.932	0.55460	0.47911	34	0.93	1%	0
005.00	Ash, 2h @ 600°C (%)	0511	23.480	0.10000	22.932	0.55460	0.47911	34	0.99	1%	0
005.00	Ash, 2h @ 600°C (%)	0208	23.500	0.20000	22.932	0.55460	0.47911	34	1.02	1%	0
005.00	Ash, 2h @ 600°C (%)	0504	23.500	0.52000	22.932	0.55460	0.47911	34	1.02	1%	0
005.00	Ash, 2h @ 600°C (%)	0553	23.855	1.2300	22.932	0.55460	0.47911	34	1.66	2%	0
005.00	Ash, 2h @ 600°C (%)	2089	24.295	0.63000	22.932	0.55460	0.47911	34	2.46	3%	0
005.05	Ash, 3h @ 550°C (%)	0003	22.670	0.66000	23.266	0.04861	0.22917	3	-1.15	1%	0
005.05	Ash, 3h @ 550°C (%)	0065	23.231	0.02750	23.266	0.04861	0.22917	3	0.48	0%	0
005.05	Ash, 3h @ 550°C (%)	0033	23.300	0.00000	23.266	0.04861	0.22917	3	0.67	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
005.11	Ash, NIR (%)	0051	23.050	0.30000			0.38000	2	-0.71	1%	0
005.11	Ash, NIR (%)	2036	24.080	0.46000			0.38000	2	0.71	1%	0
005.99	Ash, Miscellaneous (%)	0970	20.900	0.00000	22.846	0.81693	0.30000	6	-2.38	4%	0
005.99	Ash, Miscellaneous (%)	2094	22.480	0.46000	22.846	0.81693	0.30000	6	-0.45	1%	0
005.99	Ash, Miscellaneous (%)	2004	22.500	0.80000	22.846	0.81693	0.30000	6	-0.42	1%	0
005.99	Ash, Miscellaneous (%)	0202	23.135	0.27000	22.846	0.81693	0.30000	6	0.35	1%	0
005.99	Ash, Miscellaneous (%)	0969	23.400	0.20000	22.846	0.81693	0.30000	6	0.68	1%	0
005.99	Ash, Miscellaneous (%)	2023	23.765	0.07000	22.846	0.81693	0.30000	6	1.13	2%	0
006.01	Total sugars, Mod. Fehling Soln (%)	0407	0.20000	0.08000			0.08000	1			0
008.02	Fiber, Acid Detergent (%)	0309	4.5881	0.16050	5.0460	0.40783	0.35350	3	-1.12	5%	0
008.02	Fiber, Acid Detergent (%)	0098	5.1800	0.52000	5.0460	0.40783	0.35350	3	0.33	1%	0
008.02	Fiber, Acid Detergent (%)	0504	5.3700	0.38000	5.0460	0.40783	0.35350	3	0.79	3%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	2004	5.0650	0.23000	6.2268	0.97782	0.35972	5	-1.19	9%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0870	5.4119	0.26800	6.2268	0.97782	0.35972	5	-0.83	7%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0042	6.3600	0.08000	6.2268	0.97782	0.35972	5	0.14	1%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0407	6.9321	0.95060	6.2268	0.97782	0.35972	5	0.72	6%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0001	7.3650	0.27000	6.2268	0.97782	0.35972	5	1.16	9%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0309	28.387	0.55580			0.55580	1			0
009.09	Fiber, Neutral Detergent, ANKOM (%)	2004	25.500	1.6000	29.257	2.8183	1.1642	4	-1.33	6%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0870	29.064	1.5122	29.257	2.8183	1.1642	4	-0.07	0%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0407	30.265	1.3044	29.257	2.8183	1.1642	4	0.36	2%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0001	32.200	0.24000	29.257	2.8183	1.1642	4	1.04	5%	0
010.03	Moisture, Karl-Fischer (%)	0164	5.1300	0.00000			0.00000	1			0
010.11	Moisture, NIR (%)	2036	3.7500	0.14000	4.4333	0.65256	0.09333	3	-1.05	8%	0
010.11	Moisture, NIR (%)	0553	4.5000	0.04000	4.4333	0.65256	0.09333	3	0.10	1%	0
010.11	Moisture, NIR (%)	0051	5.0500	0.10000	4.4333	0.65256	0.09333	3	0.94	7%	0
010.99	Moisture, Miscellaneous (%)	0555	3.2500	0.10000	4.3550	0.32216	0.10333	6	-3.43	13%	0
010.99	Moisture, Miscellaneous (%)	0969	4.1300	0.04000	4.3550	0.32216	0.10333	6	-0.70	3%	0
010.99	Moisture, Miscellaneous (%)	0970	4.3000	0.20000	4.3550	0.32216	0.10333	6	-0.17	1%	0
010.99	Moisture, Miscellaneous (%)	2004	4.4550	0.07000	4.3550	0.32216	0.10333	6	0.31	1%	0
010.99	Moisture, Miscellaneous (%)	2089	4.4900	0.18000	4.3550	0.32216	0.10333	6	0.42	2%	0
010.99	Moisture, Miscellaneous (%)	0964	7.2850	0.03000	4.3550	0.32216	0.10333	6	9.09	34%	0
011.01	Loss on Drying, 135°C 2hr (%)	0870	4.7165	0.02600	5.1916	0.22694	0.11631	28	-2.09	5%	0
011.01	Loss on Drying, 135°C 2hr (%)	0810	4.8100	0.06000	5.1916	0.22694	0.11631	28	-1.68	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0650	4.8750	0.15000	5.1916	0.22694	0.11631	28	-1.40	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0808	4.9800	0.06000	5.1916	0.22694	0.11631	28	-0.93	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0553	4.9950	0.31000	5.1916	0.22694	0.11631	28	-0.87	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0842	5.0150	0.03000	5.1916	0.22694	0.11631	28	-0.78	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0208	5.0200	0.24000	5.1916	0.22694	0.11631	28	-0.76	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0840	5.0400	0.08000	5.1916	0.22694	0.11631	28	-0.67	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0511	5.0650	0.01000	5.1916	0.22694	0.11631	28	-0.56	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0961	5.1000	0.54000	5.1916	0.22694	0.11631	28	-0.40	1%	0

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011.01	Loss on Drying, 135°C 2hr (%)	1010	5.1250	0.09000	5.1916	0.22694	0.11631	28	-0.29	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0407	5.1333	0.00260	5.1916	0.22694	0.11631	28	-0.26	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0098	5.1400	0.02000	5.1916	0.22694	0.11631	28	-0.23	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0164	5.1600	0.42000	5.1916	0.22694	0.11631	28	-0.14	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0171	5.1700	0.08000	5.1916	0.22694	0.11631	28	-0.10	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0033	5.2300	0.08000	5.1916	0.22694	0.11631	28	0.17	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	1005	5.2550	0.09000	5.1916	0.22694	0.11631	28	0.28	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0794	5.2600	0.06000	5.1916	0.22694	0.11631	28	0.30	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0790	5.2700	0.00000	5.1916	0.22694	0.11631	28	0.35	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0792	5.2950	0.03000	5.1916	0.22694	0.11631	28	0.46	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0789	5.3650	0.09000	5.1916	0.22694	0.11631	28	0.76	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0047	5.3800	0.08000	5.1916	0.22694	0.11631	28	0.83	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0957	5.4200	0.06000	5.1916	0.22694	0.11631	28	1.01	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0959	5.4400	0.32000	5.1916	0.22694	0.11631	28	1.09	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0202	5.4500	0.18000	5.1916	0.22694	0.11631	28	1.14	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0811	5.5400	0.02000	5.1916	0.22694	0.11631	28	1.54	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0958	5.5900	0.06000	5.1916	0.22694	0.11631	28	1.76	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0309	5.6630	0.06800	5.1916	0.22694	0.11631	28	2.08	5%	0
011.01	Loss on Drying, 135°C 2hr (%)	0960	6.1150	1.2900	5.1916	0.22694	0.11631	28	4.07	9%	1
011.01	Loss on Drying, 135°C 2hr (%)	0510	95.300	0.00000	5.1916	0.22694	0.11631	28	397.05	868%	2
011.02	Loss on Drying, 130°C for 2 hours (%)	0417	4.9650	0.05000	5.0475	0.11667	0.32233	3	-0.82	2%	0
011.02	Loss on Drying, 130°C for 2 hours (%)	2023	5.1300	0.10000	5.0475	0.11667	0.32233	3	-0.29	1%	0
011.02	Loss on Drying, 130°C for 2 hours (%)	2083	5.5675	0.81700	5.0475	0.11667	0.32233	3	1.11	3%	0
011.03	Loss on drying, 130°C, 1 hour, Flour (%)	0841	5.1950	0.05000			0.05000	1			0
012.00	Starch, Polarimetric (Ewers) (%)	2023	3.3000	0.00000			0.00000	1			0
012.01	Starch, Megazyme (%)	0870	4.1350	0.17790			0.17790	1			0
012.02	Starch, Colorimetric (GOP) (%)	2089	4.8550	0.83000			0.83000	1			0
012.03	Starch, Enzymatic (%)	0407	4.3750	0.69000			0.69000	1			0
012.04	Starch, YSI Analyzer (%)	0510	4.7000	0.40000			0.40000	1			0
013.00	Fat, Acid hydrolysis (%)	0309	12.504	0.66790	13.272	0.58059	0.30310	9	-1.32	3%	0
013.00	Fat, Acid hydrolysis (%)	0969	12.700	0.20000	13.272	0.58059	0.30310	9	-0.98	2%	0
013.00	Fat, Acid hydrolysis (%)	0504	13.035	0.55000	13.272	0.58059	0.30310	9	-0.41	1%	0
013.00	Fat, Acid hydrolysis (%)	0202	13.135	0.05000	13.272	0.58059	0.30310	9	-0.24	1%	0
013.00	Fat, Acid hydrolysis (%)	2004	13.200	0.20000	13.272	0.58059	0.30310	9	-0.12	0%	0
013.00	Fat, Acid hydrolysis (%)	0098	13.300	0.02000	13.272	0.58059	0.30310	9	0.05	0%	0
013.00	Fat, Acid hydrolysis (%)	2094	13.635	0.63000	13.272	0.58059	0.30310	9	0.63	1%	0
013.00	Fat, Acid hydrolysis (%)	0970	13.950	0.30000	13.272	0.58059	0.30310	9	1.17	3%	0
013.00	Fat, Acid hydrolysis (%)	2023	13.985	0.11000	13.272	0.58059	0.30310	9	1.23	3%	0
013.02	Fat, Mojonnier, Bak Ext (%)	1005	12.310	0.98000	13.279	0.32672	0.24851	26	-2.97	4%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0790	12.580	0.48000	13.279	0.32672	0.24851	26	-2.14	3%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0794	12.790	0.10000	13.279	0.32672	0.24851	26	-1.50	2%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0957	12.845	0.61000	13.279	0.32672	0.24851	26	-1.33	2%	0

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013.02	Fat, Mojonnier, Bak Ext (%)	0959	13.040	0.22000	13.279	0.32672	0.24851	26	-0.73	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0792	13.065	0.25000	13.279	0.32672	0.24851	26	-0.66	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0510	13.100	0.20000	13.279	0.32672	0.24851	26	-0.55	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0870	13.104	0.14320	13.279	0.32672	0.24851	26	-0.53	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0811	13.115	0.21000	13.279	0.32672	0.24851	26	-0.50	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0841	13.160	0.12000	13.279	0.32672	0.24851	26	-0.36	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0958	13.180	0.12000	13.279	0.32672	0.24851	26	-0.30	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0208	13.200	0.20000	13.279	0.32672	0.24851	26	-0.24	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0808	13.275	0.11000	13.279	0.32672	0.24851	26	-0.01	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0960	13.300	1.0200	13.279	0.32672	0.24851	26	0.06	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0065	13.339	0.05750	13.279	0.32672	0.24851	26	0.18	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0842	13.340	0.02000	13.279	0.32672	0.24851	26	0.19	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0789	13.350	0.10000	13.279	0.32672	0.24851	26	0.22	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0650	13.365	0.09000	13.279	0.32672	0.24851	26	0.26	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0164	13.390	0.00000	13.279	0.32672	0.24851	26	0.34	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0840	13.560	0.12000	13.279	0.32672	0.24851	26	0.86	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0511	13.580	0.24000	13.279	0.32672	0.24851	26	0.92	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0553	13.605	0.67000	13.279	0.32672	0.24851	26	1.00	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0001	13.647	0.06650	13.279	0.32672	0.24851	26	1.13	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	1010	13.713	0.11400	13.279	0.32672	0.24851	26	1.33	2%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0171	13.960	0.18000	13.279	0.32672	0.24851	26	2.08	3%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0810	14.030	0.04000	13.279	0.32672	0.24851	26	2.30	3%	0
013.12	Fat, NIR- Acid Hydrolysis (%)	0961	13.155	0.27000			0.27000	1			0
013.13	Fat, Ankom- Acid Hydrolysis (%)	0015	13.160	0.78000			0.78500	2	-0.71	3%	0
013.13	Fat, Ankom- Acid Hydrolysis (%)	0042	14.565	0.79000			0.78500	2	0.71	3%	0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0171	1.4500	0.10000			0.10000	1			0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0510	11.000	2.0000			2.0000	1			0
015.53	Aluminum, ICP-MS, Microwave (mg / kg (ppm))	0553	35.050	4.1000			4.1000	1			0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0510	2.0000	0.00000			0.00000	1			0
019.31	Calcium, AAS, Dry ash (%)	0014	7.4450	0.23000	7.6313	0.17566	0.14250	4	-1.06	1%	0
019.31	Calcium, AAS, Dry ash (%)	0650	7.5750	0.07000	7.6313	0.17566	0.14250	4	-0.32	0%	0
019.31	Calcium, AAS, Dry ash (%)	0001	7.6400	0.24000	7.6313	0.17566	0.14250	4	0.05	0%	0
019.31	Calcium, AAS, Dry ash (%)	0208	7.8650	0.03000	7.6313	0.17566	0.14250	4	1.33	2%	0
019.32	Calcium, AAS, Open vessel (%)	0504	8.4855	0.33300			0.33300	1			0
019.33	Calcium, AAS, Microwave (%)	0504	7.7870	0.37600			0.37600	1			0
019.41	Calcium, ICP, Dry ash (%)	0171	7.2650	0.09000	7.7315	0.28618	0.30099	10	-1.63	3%	0
019.41	Calcium, ICP, Dry ash (%)	2089	7.4850	0.01000	7.7315	0.28618	0.30099	10	-0.86	2%	0
019.41	Calcium, ICP, Dry ash (%)	0098	7.6200	0.36000	7.7315	0.28618	0.30099	10	-0.39	1%	0
019.41	Calcium, ICP, Dry ash (%)	0003	7.6250	0.57000	7.7315	0.28618	0.30099	10	-0.37	1%	0
019.41	Calcium, ICP, Dry ash (%)	0164	7.6400	0.00000	7.7315	0.28618	0.30099	10	-0.32	1%	0
019.41	Calcium, ICP, Dry ash (%)	0553	7.6850	0.89000	7.7315	0.28618	0.30099	10	-0.16	0%	0
019.41	Calcium, ICP, Dry ash (%)	0074	7.9100	0.16000	7.7315	0.28618	0.30099	10	0.62	1%	0

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019.41	Calcium, ICP, Dry ash (%)	0511	7.9450	0.37000	7.7315	0.28618	0.30099	10	**0.75**	1%	0
019.41	Calcium, ICP, Dry ash (%)	0512	7.9745	0.47300	7.7315	0.28618	0.30099	10	**0.85**	2%	0
019.41	Calcium, ICP, Dry ash (%)	0407	8.1282	0.08690	7.7315	0.28618	0.30099	10	**1.39**	3%	0
019.42	Calcium, ICP, Open vessel (%)	0870	7.3180	0.46000	7.9913	0.60732	0.37850	4	-1.11	4%	0
019.42	Calcium, ICP, Open vessel (%)	0555	7.8038	0.60500	7.9913	0.60732	0.37850	4	-0.31	1%	0
019.42	Calcium, ICP, Open vessel (%)	0202	8.0700	0.14000	7.9913	0.60732	0.37850	4	0.13	0%	0
019.42	Calcium, ICP, Open vessel (%)	0504	8.7735	0.30900	7.9913	0.60732	0.37850	4	1.29	5%	0
019.43	Calcium, ICP, Microwave (%)	0042	6.5700	0.26000	7.8509	0.69587	0.34816	7	**-1.84**	8%	0
019.43	Calcium, ICP, Microwave (%)	0510	7.1450	0.11000	7.8509	0.69587	0.34816	7	**-1.01**	4%	0
019.43	Calcium, ICP, Microwave (%)	0033	7.8700	0.34000	7.8509	0.69587	0.34816	7	**0.03**	0%	0
019.43	Calcium, ICP, Microwave (%)	0098	7.9700	0.38000	7.8509	0.69587	0.34816	7	**0.17**	1%	0
019.43	Calcium, ICP, Microwave (%)	2094	8.1000	0.64000	7.8509	0.69587	0.34816	7	**0.36**	2%	0
019.43	Calcium, ICP, Microwave (%)	0027	8.4470	0.42000	7.8509	0.69587	0.34816	7	**0.86**	4%	0
019.43	Calcium, ICP, Microwave (%)	0964	8.5156	0.28710	7.8509	0.69587	0.34816	7	**0.96**	4%	0
019.44	Calcium, ICP, Dry ash (%)	0970	6.8900	0.16000	7.7749	0.64208	0.31110	5	-1.38	6%	0
019.44	Calcium, ICP, Dry ash (%)	0969	7.4450	0.69000	7.7749	0.64208	0.31110	5	-0.51	2%	0
019.44	Calcium, ICP, Dry ash (%)	2004	7.7600	0.22000	7.7749	0.64208	0.31110	5	-0.02	0%	0
019.44	Calcium, ICP, Dry ash (%)	2023	8.3650	0.33000	7.7749	0.64208	0.31110	5	0.92	4%	0
019.44	Calcium, ICP, Dry ash (%)	0065	8.4143	0.15550	7.7749	0.64208	0.31110	5	1.00	4%	0
019.53	Calcium, ICP-MS, Microwave (%)	0034	7.7360	1.5100			1.5100	1			0
021.41	Cobalt, ICP, Dry ash (mg / kg (ppm))	0171	0.25000	0.00000			0.00000	1			0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0964	0.12130	0.02120			0.01560	2	-0.71	3%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0510	0.13500	0.01000			0.01560	2	0.71	3%	0
021.52	Cobalt, ICP-MS, Open vessel (mg / kg (ppm))	0555	0.08650	0.00300			0.00300	1			0
021.53	Cobalt, ICP-MS, Microwave (mg / kg (ppm))	0553	0.07985	0.01110			0.01110	1			0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0001	21.920	0.04000			0.04000	1			0
022.32	Copper, AAS, Open vessel (mg / kg (ppm))	0504	31.785	13.050			13.050	1			0
022.33	Copper, AAS, Microwave (mg / kg (ppm))	0504	19.965	1.2900			0.91000	2	-0.71	8%	0
022.33	Copper, AAS, Microwave (mg / kg (ppm))	0034	27.195	0.53000			0.91000	2	0.71	8%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0003	18.000	0.00000	23.826	3.0382	0.95472	10	**-1.92**	12%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0098	20.870	0.02000	23.826	3.0382	0.95472	10	**-0.97**	6%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0511	21.500	1.0000	23.826	3.0382	0.95472	10	**-0.77**	5%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0553	22.500	0.20000	23.826	3.0382	0.95472	10	**-0.44**	3%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	2089	24.135	0.69000	23.826	3.0382	0.95472	10	**0.10**	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0407	24.418	0.56720	23.826	3.0382	0.95472	10	**0.19**	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0074	25.000	0.00000	23.826	3.0382	0.95472	10	**0.39**	2%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0171	26.450	0.30000	23.826	3.0382	0.95472	10	**0.86**	6%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0512	26.475	3.7700	23.826	3.0382	0.95472	10	**0.87**	6%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0164	27.500	3.0000	23.826	3.0382	0.95472	10	**1.21**	8%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0870	25.160	1.3200	27.588	3.8480	1.5100	3	-0.63	4%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0555	25.580	1.2400	27.588	3.8480	1.5100	3	-0.52	4%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0202	32.025	1.9700	27.588	3.8480	1.5100	3	1.15	8%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0510	22.000	0.00000	24.741	2.0261	0.70500	6	-1.35	6%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0098	23.895	2.1500	24.741	2.0261	0.70500	6	-0.42	2%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0033	23.900	0.20000	24.741	2.0261	0.70500	6	-0.41	2%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0042	25.650	0.70000	24.741	2.0261	0.70500	6	0.45	2%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0027	26.425	1.1100	24.741	2.0261	0.70500	6	0.83	3%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0964	26.575	0.07000	24.741	2.0261	0.70500	6	0.91	4%	0
022.44	Copper, ICP, Dry ash (mg / kg (ppm))	0969	23.300	0.60000	24.633	2.0966	0.60000	3	-0.64	3%	0
022.44	Copper, ICP, Dry ash (mg / kg (ppm))	2004	23.550	0.30000	24.633	2.0966	0.60000	3	-0.52	2%	0
022.44	Copper, ICP, Dry ash (mg / kg (ppm))	0970	27.050	0.90000	24.633	2.0966	0.60000	3	1.15	5%	0
022.52	Copper, ICP-MS, Open vessel (mg / kg (ppm))	0555	25.500	1.0000			1.0000	1			0
022.53	Copper, ICP-MS, Microwave (mg / kg (ppm))	2023	23.350	0.90000			0.90000	1			0
024.99	Iodine, Miscellaneous (mg / kg (ppm))	0969	1.7450	0.21000	1.9367	0.17567	0.10667	3	-1.09	5%	0
024.99	Iodine, Miscellaneous (mg / kg (ppm))	0970	1.9750	0.01000	1.9367	0.17567	0.10667	3	0.22	1%	0
024.99	Iodine, Miscellaneous (mg / kg (ppm))	2004	2.0900	0.10000	1.9367	0.17567	0.10667	3	0.87	4%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0014	237.50	19.000			22.350	2	-0.71	3%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0001	263.95	25.700			22.350	2	0.71	3%	0
025.32	Iron, AAS, Open vessel (mg / kg (ppm))	0504	245.85	8.9000			8.9000	1			0
025.33	Iron, AAS, Microwave (mg / kg (ppm))	0504	253.95	31.100			31.100	1			0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	2089	224.34	2.0400	247.16	14.336	15.072	13	-1.59	5%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0407	235.21	6.1000	247.16	14.336	15.072	13	-0.83	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	2004	236.50	5.0000	247.16	14.336	15.072	13	-0.74	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0511	237.50	21.000	247.16	14.336	15.072	13	-0.67	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0003	238.00	28.000	247.16	14.336	15.072	13	-0.64	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0171	247.50	7.0000	247.16	14.336	15.072	13	0.02	0%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0098	248.05	12.500	247.16	14.336	15.072	13	0.06	0%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0164	249.50	3.0000	247.16	14.336	15.072	13	0.16	0%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0969	250.50	57.000	247.16	14.336	15.072	13	0.23	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0553	253.00	34.000	247.16	14.336	15.072	13	0.41	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0074	254.50	3.0000	247.16	14.336	15.072	13	0.51	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0970	268.50	7.0000	247.16	14.336	15.072	13	1.49	4%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0512	275.85	10.300	247.16	14.336	15.072	13	2.00	6%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0870	215.60	12.200			31.950	2	-0.71	5%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0555	263.35	51.700			31.950	2	0.71	5%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2023	213.00	6.0000	249.60	8.4998	11.843	7	-4.31	7%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0510	219.00	2.0000	249.60	8.4998	11.843	7	-3.60	6%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0042	246.50	3.0000	249.60	8.4998	11.843	7	-0.36	1%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0964	251.15	16.570	249.60	8.4998	11.843	7	0.18	0%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0027	251.96	2.9300	249.60	8.4998	11.843	7	0.28	0%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0033	254.50	31.000	249.60	8.4998	11.843	7	0.58	1%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0098	273.60	21.400	249.60	8.4998	11.843	7	2.82	5%	0
025.52	Iron, ICP-MS, Open vessel (mg / kg (ppm))	0555	265.00	50.000			50.000	1			0
025.53	Iron, ICP-MS, Microwave (mg / kg (ppm))	0034	222.70	2.4000			2.4000	1			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
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027.31	Magnesium, AAS, Dry ash (%)	0001	0.22630	0.00000	0.23765	0.00843	0.00375	4	-1.35	2%	0
027.31	Magnesium, AAS, Dry ash (%)	0014	0.23650	0.00500	0.23765	0.00843	0.00375	4	-0.14	0%	0
027.31	Magnesium, AAS, Dry ash (%)	0650	0.24230	0.00300	0.23765	0.00843	0.00375	4	0.55	1%	0
027.31	Magnesium, AAS, Dry ash (%)	0208	0.24550	0.00700	0.23765	0.00843	0.00375	4	0.93	2%	0
027.32	Magnesium, AAS, Open vessel (%)	0504	0.23860	0.00540			0.00540	1			0
027.33	Magnesium, AAS, Microwave (%)	0504	0.21430	0.00340			0.00340	1			0
027.41	Magnesium, ICP, Dry ash (%)	0164	0.23350	0.00300	0.24283	0.00915	0.01181	10	**-1.02**	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0003	0.23500	0.03000	0.24283	0.00915	0.01181	10	**-0.86**	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0171	0.23600	0.00200	0.24283	0.00915	0.01181	10	**-0.75**	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0553	0.23650	0.02300	0.24283	0.00915	0.01181	10	**-0.69**	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0098	0.24000	0.02000	0.24283	0.00915	0.01181	10	**-0.31**	1%	0
027.41	Magnesium, ICP, Dry ash (%)	2089	0.24000	0.00000	0.24283	0.00915	0.01181	10	**-0.31**	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0512	0.24890	0.00320	0.24283	0.00915	0.01181	10	**0.66**	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0407	0.25425	0.00690	0.24283	0.00915	0.01181	10	**1.25**	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0074	0.25500	0.01000	0.24283	0.00915	0.01181	10	**1.33**	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0511	0.26000	0.02000	0.24283	0.00915	0.01181	10	**1.88**	4%	0
027.42	Magnesium, ICP, Open vessel (%)	0870	0.23305	0.01330	0.25743	0.02179	0.02300	3	-1.12	5%	0
027.42	Magnesium, ICP, Open vessel (%)	0555	0.26425	0.04570	0.25743	0.02179	0.02300	3	0.31	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0202	0.27500	0.01000	0.25743	0.02179	0.02300	3	0.81	3%	0
027.43	Magnesium, ICP, Microwave (%)	0510	0.19500	0.01000	0.24175	0.02687	0.01392	6	**-1.74**	10%	0
027.43	Magnesium, ICP, Microwave (%)	0042	0.22700	0.00600	0.24175	0.02687	0.01392	6	**-0.55**	3%	0
027.43	Magnesium, ICP, Microwave (%)	0033	0.24500	0.01000	0.24175	0.02687	0.01392	6	**0.12**	1%	0
027.43	Magnesium, ICP, Microwave (%)	0027	0.24550	0.02100	0.24175	0.02687	0.01392	6	**0.14**	1%	0
027.43	Magnesium, ICP, Microwave (%)	0964	0.26485	0.00650	0.24175	0.02687	0.01392	6	**0.86**	5%	0
027.43	Magnesium, ICP, Microwave (%)	0098	0.26500	0.03000	0.24175	0.02687	0.01392	6	**0.87**	5%	0
027.44	Magnesium, ICP, Dry ash (%)	0970	0.22000	0.01000	0.22463	0.00557	0.00860	5	-0.66	3%	0
027.44	Magnesium, ICP, Dry ash (%)	2004	0.22150	0.00500	0.22463	0.00557	0.00860	5	-0.58	3%	0
027.44	Magnesium, ICP, Dry ash (%)	0969	0.22450	0.01100	0.22463	0.00557	0.00860	5	-0.44	2%	0
027.44	Magnesium, ICP, Dry ash (%)	2023	0.23250	0.00900	0.22463	0.00557	0.00860	5	-0.06	0%	0
027.44	Magnesium, ICP, Dry ash (%)	0065	0.27000	0.00800	0.22463	0.00557	0.00860	5	1.74	8%	0
027.53	Magnesium, ICP-MS, Microwave (%)	0034	0.22815	0.00850			0.00850	1			0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0001	23.055	3.3500			3.3500	1			0
028.32	Manganese, AAS, Open vessel (mg / kg (ppm))	0504	20.430	0.32000			0.32000	1			0
028.33	Manganese, AAS, Microwave (mg / kg (ppm))	0504	18.880	2.4600			2.4600	1			0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0164	16.000	0.00000	18.935	0.93963	0.49581	10	**-3.12**	8%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0511	17.000	0.00000	18.935	0.93963	0.49581	10	**-2.06**	5%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0074	18.500	1.0000	18.935	0.93963	0.49581	10	**-0.46**	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0553	18.750	0.30000	18.935	0.93963	0.49581	10	**-0.20**	0%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0407	18.921	0.77810	18.935	0.93963	0.49581	10	**-0.01**	0%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0512	18.925	1.2100	18.935	0.93963	0.49581	10	**-0.01**	0%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0003	19.000	0.00000	18.935	0.93963	0.49581	10	**0.07**	0%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	2089	19.560	0.04000	18.935	0.93963	0.49581	10	**0.67**	2%	0

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028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0098	20.365	1.0300	18.935	0.93963	0.49581	10	**1.52**	4%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0171	33.700	0.60000	18.935	0.93963	0.49581	10	**15.71**	39%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0870	14.525	0.89000	19.908	5.0382	1.6633	3	-1.07	14%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0555	20.690	3.0600	19.908	5.0382	1.6633	3	0.16	2%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0202	24.510	1.0400	19.908	5.0382	1.6633	3	0.91	12%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0510	15.000	0.00000	19.391	4.5047	1.8517	6	**-0.97**	11%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0033	15.300	2.2000	19.391	4.5047	1.8517	6	**-0.91**	11%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0027	19.670	0.92000	19.391	4.5047	1.8517	6	**0.06**	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0098	19.905	5.0900	19.391	4.5047	1.8517	6	**0.11**	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0964	20.690	2.1000	19.391	4.5047	1.8517	6	**0.29**	3%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0042	27.600	0.80000	19.391	4.5047	1.8517	6	**1.82**	21%	0
028.44	Manganese, ICP, Dry ash (mg / kg (ppm))	2023	15.650	1.1000	17.788	1.9120	0.52500	4	-1.12	6%	0
028.44	Manganese, ICP, Dry ash (mg / kg (ppm))	0969	17.250	0.30000	17.788	1.9120	0.52500	4	-0.28	2%	0
028.44	Manganese, ICP, Dry ash (mg / kg (ppm))	2004	18.000	0.00000	17.788	1.9120	0.52500	4	0.11	1%	0
028.44	Manganese, ICP, Dry ash (mg / kg (ppm))	0970	20.250	0.70000	17.788	1.9120	0.52500	4	1.29	7%	0
028.52	Manganese, ICP-MS, Open vessel (mg / kg (ppm)	0555	22.200	3.6000			3.6000	1			0
031.01	Phosphorus, Photometric (%)	0650	3.8100	0.04000	3.9783	0.17821	0.03667	3	-0.94	2%	0
031.01	Phosphorus, Photometric (%)	0511	3.9600	0.04000	3.9783	0.17821	0.03667	3	-0.10	0%	0
031.01	Phosphorus, Photometric (%)	0208	4.1650	0.03000	3.9783	0.17821	0.03667	3	1.05	2%	0
031.02	Phosphorus, GQMP (AOAC 935.13-Extraction) (%	0013	3.8400	0.30000			0.30000	1			0
031.03	Phosphorus, Autoanalyzer (%)	0047	3.4000	0.36000	3.8270	0.37379	0.19267	3	-1.14	6%	0
031.03	Phosphorus, Autoanalyzer (%)	0001	3.9860	0.08800	3.8270	0.37379	0.19267	3	0.43	2%	0
031.03	Phosphorus, Autoanalyzer (%)	0504	4.0950	0.13000	3.8270	0.37379	0.19267	3	0.72	4%	0
031.41	Phosphorus, ICP, Dry ash (%)	0003	2.8800	0.18000	3.9208	0.25322	0.12101	9	**-4.11**	13%	0
031.41	Phosphorus, ICP, Dry ash (%)	0171	3.6750	0.03000	3.9208	0.25322	0.12101	9	**-0.97**	3%	0
031.41	Phosphorus, ICP, Dry ash (%)	2089	3.8550	0.01000	3.9208	0.25322	0.12101	9	**-0.26**	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0074	3.8750	0.23000	3.9208	0.25322	0.12101	9	**-0.18**	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0098	3.8800	0.03000	3.9208	0.25322	0.12101	9	**-0.16**	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0164	4.0100	0.06000	3.9208	0.25322	0.12101	9	**0.35**	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0553	4.0400	0.36000	3.9208	0.25322	0.12101	9	**0.47**	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0512	4.1750	0.15800	3.9208	0.25322	0.12101	9	**1.00**	3%	0
031.41	Phosphorus, ICP, Dry ash (%)	0407	4.4750	0.03110	3.9208	0.25322	0.12101	9	**2.19**	7%	0
031.42	Phosphorus, ICP, Open vessel (%)	0870	3.8480	0.24600	4.2830	0.02962	0.19526	5	-1.77	4%	0
031.42	Phosphorus, ICP, Open vessel (%)	0504	4.2425	0.32700	4.2830	0.02962	0.19526	5	0.24	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0014	4.2800	0.10000	4.2830	0.02962	0.19526	5	0.43	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0202	4.3000	0.16000	4.2830	0.02962	0.19526	5	0.53	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0555	4.3094	0.14330	4.2830	0.02962	0.19526	5	0.58	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0042	3.5600	0.10000	4.1170	0.49154	0.18829	7	**-1.13**	7%	0
031.43	Phosphorus, ICP, Microwave (%)	0510	3.5750	0.03000	4.1170	0.49154	0.18829	7	**-1.10**	7%	0
031.43	Phosphorus, ICP, Microwave (%)	0098	3.9620	0.45800	4.1170	0.49154	0.18829	7	**-0.32**	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0033	4.3100	0.20000	4.1170	0.49154	0.18829	7	**0.39**	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0964	4.3288	0.14000	4.1170	0.49154	0.18829	7	**0.43**	3%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
031.43	Phosphorus, ICP, Microwave (%)	0027	4.3730	0.25000	4.1170	0.49154	0.18829	7	**0.52**	3%	0
031.43	Phosphorus, ICP, Microwave (%)	2094	4.7100	0.14000	4.1170	0.49154	0.18829	7	**1.21**	7%	0
031.44	Phosphorus, ICP, Dry ash (%)	0970	3.6950	0.15000	3.8829	0.23634	0.23210	5	-0.79	2%	0
031.44	Phosphorus, ICP, Dry ash (%)	2023	3.7600	0.46000	3.8829	0.23634	0.23210	5	-0.52	2%	0
031.44	Phosphorus, ICP, Dry ash (%)	0969	3.7750	0.37000	3.8829	0.23634	0.23210	5	-0.46	1%	0
031.44	Phosphorus, ICP, Dry ash (%)	2004	3.9000	0.00000	3.8829	0.23634	0.23210	5	0.07	0%	0
031.44	Phosphorus, ICP, Dry ash (%)	0065	4.2843	0.18050	3.8829	0.23634	0.23210	5	1.70	5%	0
031.53	Phosphorus, ICP-MS, Microwave (%)	0034	3.9950	0.60800			0.60800	1			0
032.02	Potassium, Flame Emission (%)	0047	0.50000	0.02000			0.02000	1			0
032.31	Potassium, AAS, Dry ash (%)	0014	0.52050	0.04700			0.03850	2	-0.71	2%	0
032.31	Potassium, AAS, Dry ash (%)	0650	0.56500	0.03000			0.03850	2	0.71	2%	0
032.41	Potassium, ICP, Dry ash (%)	0003	0.51500	0.01000	0.55375	0.02721	0.02050	10	**-1.42**	3%	0
032.41	Potassium, ICP, Dry ash (%)	0171	0.52100	0.00600	0.55375	0.02721	0.02050	10	**-1.20**	3%	0
032.41	Potassium, ICP, Dry ash (%)	0407	0.53865	0.01190	0.55375	0.02721	0.02050	10	**-0.55**	1%	0
032.41	Potassium, ICP, Dry ash (%)	0164	0.54000	0.00000	0.55375	0.02721	0.02050	10	**-0.51**	1%	0
032.41	Potassium, ICP, Dry ash (%)	0512	0.55645	0.00810	0.55375	0.02721	0.02050	10	**0.10**	0%	0
032.41	Potassium, ICP, Dry ash (%)	0511	0.56000	0.02000	0.55375	0.02721	0.02050	10	**0.23**	1%	0
032.41	Potassium, ICP, Dry ash (%)	0553	0.56250	0.07900	0.55375	0.02721	0.02050	10	**0.32**	1%	0
032.41	Potassium, ICP, Dry ash (%)	2089	0.57000	0.00000	0.55375	0.02721	0.02050	10	**0.60**	1%	0
032.41	Potassium, ICP, Dry ash (%)	0098	0.57500	0.05000	0.55375	0.02721	0.02050	10	**0.78**	2%	0
032.41	Potassium, ICP, Dry ash (%)	0074	0.60000	0.02000	0.55375	0.02721	0.02050	10	**1.70**	4%	0
032.42	Potassium, ICP, Open vessel (%)	0202	0.47500	0.01000	0.53473	0.04298	0.01870	4	-1.39	6%	0
032.42	Potassium, ICP, Open vessel (%)	0870	0.53335	0.02650	0.53473	0.04298	0.01870	4	-0.03	0%	0
032.42	Potassium, ICP, Open vessel (%)	0504	0.55800	0.02000	0.53473	0.04298	0.01870	4	0.54	2%	0
032.42	Potassium, ICP, Open vessel (%)	0555	0.57255	0.01830	0.53473	0.04298	0.01870	4	0.88	4%	0
032.43	Potassium, ICP, Microwave (%)	0098	0.51000	0.00000	0.56084	0.04069	0.01152	6	**-1.25**	5%	0
032.43	Potassium, ICP, Microwave (%)	0033	0.54500	0.03000	0.56084	0.04069	0.01152	6	**-0.39**	1%	0
032.43	Potassium, ICP, Microwave (%)	0042	0.54700	0.03200	0.56084	0.04069	0.01152	6	**-0.34**	1%	0
032.43	Potassium, ICP, Microwave (%)	0510	0.56000	0.00000	0.56084	0.04069	0.01152	6	**-0.02**	0%	0
032.43	Potassium, ICP, Microwave (%)	0027	0.59450	0.00700	0.56084	0.04069	0.01152	6	**0.83**	3%	0
032.43	Potassium, ICP, Microwave (%)	0964	0.64385	0.00010	0.56084	0.04069	0.01152	6	**2.04**	7%	0
032.44	Potassium, ICP, Dry ash (%)	2023	0.51100	0.02400	0.56465	0.04401	0.01190	5	-1.22	5%	0
032.44	Potassium, ICP, Dry ash (%)	2004	0.54250	0.00700	0.56465	0.04401	0.01190	5	-0.50	2%	0
032.44	Potassium, ICP, Dry ash (%)	0969	0.55050	0.00100	0.56465	0.04401	0.01190	5	-0.32	1%	0
032.44	Potassium, ICP, Dry ash (%)	0970	0.60150	0.02100	0.56465	0.04401	0.01190	5	0.84	3%	0
032.44	Potassium, ICP, Dry ash (%)	0065	0.61775	0.00650	0.56465	0.04401	0.01190	5	1.21	5%	0
032.53	Potassium, ICP-MS, Microwave (%)	0034	0.55350	0.02140			0.02140	1			0
032.99	Potassium, Miscellaneous (%)	0001	0.53300	0.00600			0.00600	1			0
033.00	Salt as chloride, Sol Cl (%)	0504	0.55000	0.02000			0.02000	1			0
033.01	Salt as chloride, Poten Cl (%)	0407	0.55450	0.00100	0.63925	0.03451	0.01183	6	**-2.46**	7%	0
033.01	Salt as chloride, Poten Cl (%)	0098	0.61000	0.00000	0.63925	0.03451	0.01183	6	**-0.85**	2%	0
033.01	Salt as chloride, Poten Cl (%)	0164	0.64500	0.01000	0.63925	0.03451	0.01183	6	**0.17**	0%	0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
033.01	Salt as chloride, Poten Cl (%)	2023	0.64500	0.01000	0.63925	0.03451	0.01183	6	**0.17**	0%	0
033.01	Salt as chloride, Poten Cl (%)	0510	0.65000	0.02000	0.63925	0.03451	0.01183	6	**0.31**	1%	0
033.01	Salt as chloride, Poten Cl (%)	0650	0.68500	0.03000	0.63925	0.03451	0.01183	6	**1.33**	4%	0
033.99	Salt, Miscellaneous (%)	0171	0.43500	0.03000			0.03325	2	-0.71	8%	0
033.99	Salt, Miscellaneous (%)	0309	0.60425	0.03650			0.03325	2	0.71	8%	0
034.01	Selenium, Fluor (mg / kg (ppm))	0098	0.73100	0.00600			0.00600	1			0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0164	0.76500	0.03000			0.03000	1			0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	0964	0.52150	0.00860			0.00860	1			0
034.52	Selenium, ICP-MS, Open vessel (mg / kg (ppm))	0555	0.84500	0.13000			0.13000	1			0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0553	0.84800	0.01200	0.90615	0.08205	0.02463	3	-0.71	3%	0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0034	0.87045	0.06190	0.90615	0.08205	0.02463	3	-0.44	2%	0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	2023	1.0000	0.00000	0.90615	0.08205	0.02463	3	1.14	5%	0
034.99	Selenium, Miscellaneous (mg / kg (ppm))	0969	0.52550	0.00900			0.01500	2	-0.71	10%	0
034.99	Selenium, Miscellaneous (mg / kg (ppm))	2004	0.78650	0.02100			0.01500	2	0.71	10%	0
035.31	Sodium, AAS, Dry ash (%)	0650	0.49000	0.02000	0.50783	0.01602	0.02433	3	-1.11	2%	0
035.31	Sodium, AAS, Dry ash (%)	0014	0.51250	0.03300	0.50783	0.01602	0.02433	3	0.29	0%	0
035.31	Sodium, AAS, Dry ash (%)	0208	0.52100	0.02000	0.50783	0.01602	0.02433	3	0.82	1%	0
035.41	Sodium, ICP, Dry ash (%)	0171	0.48000	0.00000	0.52420	0.01826	0.00926	13	**-2.42**	4%	0
035.41	Sodium, ICP, Dry ash (%)	2089	0.50000	0.00000	0.52420	0.01826	0.00926	13	**-1.33**	2%	0
035.41	Sodium, ICP, Dry ash (%)	0969	0.50500	0.01000	0.52420	0.01826	0.00926	13	**-1.05**	2%	0
035.41	Sodium, ICP, Dry ash (%)	2023	0.51700	0.01800	0.52420	0.01826	0.00926	13	**-0.39**	1%	0
035.41	Sodium, ICP, Dry ash (%)	0164	0.51750	0.00100	0.52420	0.01826	0.00926	13	**-0.37**	1%	0
035.41	Sodium, ICP, Dry ash (%)	0970	0.51900	0.00200	0.52420	0.01826	0.00926	13	**-0.28**	0%	0
035.41	Sodium, ICP, Dry ash (%)	2004	0.52400	0.01000	0.52420	0.01826	0.00926	13	**-0.01**	0%	0
035.41	Sodium, ICP, Dry ash (%)	0003	0.53000	0.02000	0.52420	0.01826	0.00926	13	**0.32**	1%	0
035.41	Sodium, ICP, Dry ash (%)	0098	0.53000	0.00000	0.52420	0.01826	0.00926	13	**0.32**	1%	0
035.41	Sodium, ICP, Dry ash (%)	0512	0.53440	0.01700	0.52420	0.01826	0.00926	13	**0.56**	1%	0
035.41	Sodium, ICP, Dry ash (%)	0407	0.54175	0.00890	0.52420	0.01826	0.00926	13	**0.96**	2%	0
035.41	Sodium, ICP, Dry ash (%)	0553	0.55100	0.02400	0.52420	0.01826	0.00926	13	**1.47**	3%	0
035.41	Sodium, ICP, Dry ash (%)	0065	0.56375	0.00950	0.52420	0.01826	0.00926	13	**2.17**	4%	0
035.42	Sodium, ICP, Open vessel (%)	0870	0.51945	0.01030	0.54280	0.03314	0.01365	4	-0.70	2%	0
035.42	Sodium, ICP, Open vessel (%)	0504	0.52000	0.00600	0.54280	0.03314	0.01365	4	-0.69	2%	0
035.42	Sodium, ICP, Open vessel (%)	0555	0.54175	0.03830	0.54280	0.03314	0.01365	4	-0.03	0%	0
035.42	Sodium, ICP, Open vessel (%)	0202	0.59000	0.00000	0.54280	0.03314	0.01365	4	1.42	4%	0
035.43	Sodium, ICP, Microwave (%)	0042	0.45450	0.01100	0.52173	0.06838	0.01238	6	**-0.98**	6%	0
035.43	Sodium, ICP, Microwave (%)	0510	0.46600	0.00200	0.52173	0.06838	0.01238	6	**-0.82**	5%	0
035.43	Sodium, ICP, Microwave (%)	0098	0.50000	0.02000	0.52173	0.06838	0.01238	6	**-0.32**	2%	0
035.43	Sodium, ICP, Microwave (%)	2094	0.54500	0.01000	0.52173	0.06838	0.01238	6	**0.34**	2%	0
035.43	Sodium, ICP, Microwave (%)	0027	0.54950	0.02100	0.52173	0.06838	0.01238	6	**0.41**	3%	0
035.43	Sodium, ICP, Microwave (%)	0964	0.65245	0.01030	0.52173	0.06838	0.01238	6	**1.91**	13%	0
035.53	Sodium, ICP-MS, Microwave (%)	0034	0.48235	0.02050			0.02050	1			0
036.04	Sulfur, LECO (%)	0001	0.40250	0.02100			0.01050	2	-0.71	3%	0

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036.04	Sulfur, LECO (%)	0098	0.46000	0.00000			0.01050	2	0.71	3%	0
036.42	Sulfur, ICP, Open vessel (%)	2089	0.39500	0.01000	0.41781	0.00503	0.00974	7	-4.54	3%	0
036.42	Sulfur, ICP, Open vessel (%)	0870	0.40150	0.02480	0.41781	0.00503	0.00974	7	-3.24	2%	0
036.42	Sulfur, ICP, Open vessel (%)	0407	0.40715	0.00170	0.41781	0.00503	0.00974	7	-2.12	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0164	0.42000	0.02000	0.41781	0.00503	0.00974	7	0.43	0%	0
036.42	Sulfur, ICP, Open vessel (%)	0202	0.42000	0.00000	0.41781	0.00503	0.00974	7	0.43	0%	0
036.42	Sulfur, ICP, Open vessel (%)	0171	0.42200	0.00200	0.41781	0.00503	0.00974	7	0.83	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0555	0.42305	0.00970	0.41781	0.00503	0.00974	7	1.04	1%	0
036.43	Sulfur, ICP, Microwave (%)	0510	0.45500	0.01000	0.46579	0.01244	0.02018	5	-0.87	1%	0
036.43	Sulfur, ICP, Microwave (%)	0964	0.45815	0.04390	0.46579	0.01244	0.02018	5	-0.61	1%	0
036.43	Sulfur, ICP, Microwave (%)	0098	0.45930	0.00400	0.46579	0.01244	0.02018	5	-0.52	1%	0
036.43	Sulfur, ICP, Microwave (%)	0027	0.47150	0.01300	0.46579	0.01244	0.02018	5	0.46	1%	0
036.43	Sulfur, ICP, Microwave (%)	0033	0.48500	0.03000	0.46579	0.01244	0.02018	5	1.54	2%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0001	122.30	14.600			10.300	2	-0.71	4%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0014	141.00	6.0000			10.300	2	0.71	4%	0
037.32	Zinc, AAS, Open vessel (mg / kg (ppm))	0504	144.75	1.7000			1.7000	1			0
037.33	Zinc, AAS, Microwave (mg / kg (ppm))	0504	128.95	4.1000			4.1000	1			0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0164	119.50	1.0000	147.83	12.621	5.6753	9	-2.24	10%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0511	138.00	4.0000	147.83	12.621	5.6753	9	-0.78	3%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0553	142.50	5.0000	147.83	12.621	5.6753	9	-0.42	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	2089	145.89	0.01000	147.83	12.621	5.6753	9	-0.15	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0098	146.30	15.200	147.83	12.621	5.6753	9	-0.12	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0407	148.14	2.2680	147.83	12.621	5.6753	9	0.03	0%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0171	154.00	0.00000	147.83	12.621	5.6753	9	0.49	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0003	163.00	14.000	147.83	12.621	5.6753	9	1.20	5%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0512	173.50	9.6000	147.83	12.621	5.6753	9	2.03	9%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0074	179.50	33.000	147.83	12.621	5.6753	9	2.51	11%	1
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0870	91.700	0.46000	156.13	0.16617	2.7167	3	-1.15	16%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0202	156.02	1.9900	156.13	0.16617	2.7167	3	0.57	8%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0555	156.25	5.7000	156.13	0.16617	2.7167	3	0.58	8%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0510	128.50	1.0000	143.05	11.959	7.2829	7	-1.22	5%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2023	134.50	3.0000	143.05	11.959	7.2829	7	-0.71	3%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0033	137.00	2.0000	143.05	11.959	7.2829	7	-0.51	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0098	143.70	11.200	143.05	11.959	7.2829	7	0.05	0%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0042	147.50	9.0000	143.05	11.959	7.2829	7	0.37	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0964	150.75	11.830	143.05	11.959	7.2829	7	0.64	3%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0027	172.97	12.950	143.05	11.959	7.2829	7	2.50	10%	0
037.44	Zinc, ICP, Dry ash (mg / kg (ppm))	0969	139.50	1.0000	145.83	8.1292	1.0000	3	-0.78	2%	0
037.44	Zinc, ICP, Dry ash (mg / kg (ppm))	2004	143.00	0.00000	145.83	8.1292	1.0000	3	-0.35	1%	0
037.44	Zinc, ICP, Dry ash (mg / kg (ppm))	0970	155.00	2.0000	145.83	8.1292	1.0000	3	1.13	3%	0
037.52	Zinc, ICP-MS, Open vessel (mg / kg (ppm))	0555	143.50	1.0000			1.0000	1			0
038.42	Molybdenum, ICP, Open vessel (mg / kg (ppm))	0555	0.47405	0.00150			0.00150	1			0

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038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0510	0.25000	0.10000			0.07350	2	-0.71	11%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0964	0.38630	0.04700			0.07350	2	0.71	11%	0
038.52	Molybdenum, ICP-MS, Open vessel (mg / kg (ppm	0555	0.55000	0.06000			0.06000	1			0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	2023	0.39500	0.03000			0.03850	2	-0.71	1%	0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	0553	0.40550	0.04700			0.03850	2	0.71	1%	0
040.52	Barium, ICP-MS, Open vessel (mg / kg (ppm))	0555	2.8500	1.3000			1.3000	1			0
041.52	Vanadium, ICP-MS, Open vessel (mg / kg (ppm))	0555	0.40000	0.00000			0.00000	1			0
041.53	Vanadium, ICP-MS, Microwave (mg / kg (ppm))	0553	0.19700	0.00200			0.00200	1			0
042.00	Chloride, Titrimetric (%)	2004	0.38900	0.00200			0.00450	2	-0.71	0%	0
042.00	Chloride, Titrimetric (%)	0969	0.39350	0.00700			0.00450	2	0.71	0%	0
042.99	Chloride, Miscellaneous (%)	0970	0.40600	0.00200			0.00200	1			0
101.01	Choline Chloride, Chem (mg / kg (ppm))	2004	860.00	98.000			98.000	1			0
102.01	Niacin, Microbiological (mg / kg (ppm))	2004	70.850	1.7000			3.3000	2	-0.71	1%	0
102.01	Niacin, Microbiological (mg / kg (ppm))	0969	72.450	4.9000			3.3000	2	0.71	1%	0
103.02	Pantothenic Acid, LC (mg / kg (ppm))	2004	8.4000	0.20000			0.10000	2	-0.71	7%	0
103.02	Pantothenic Acid, LC (mg / kg (ppm))	0969	11.000	0.00000			0.10000	2	0.71	7%	0
104.02	Riboflavin, Microbiological, Turbidity (mg / kg (ppm	2004	7.9000	0.20000			0.25000	2	-0.71	5%	0
104.02	Riboflavin, Microbiological, Turbidity (mg / kg (ppm	0969	9.5500	0.30000			0.25000	2	0.71	5%	0
104.03	Riboflavin, LC (mg / kg (ppm))	2023	7.5000	0.06000			0.06000	1			0
105.00	Thiamine, LC (mg / kg (ppm))	2023	1.7800	0.10000			0.10000	1			0
105.99	Thiamine, Miscellaneous (mg / kg (ppm))	0969	2.7000	0.00000			0.05000	2	-0.71	5%	0
105.99	Thiamine, Miscellaneous (mg / kg (ppm))	2004	3.3500	0.10000			0.05000	2	0.71	5%	0
106.02	Vitamin A, LC (KU / kg)	2023	0.18500	0.03000				1			0
106.02	Vitamin A, LC (KU / kg)	0969	0.00000	0.00000				1			4
107.00	Vitamin B12, Microbiological (µg / kg (ppb))	0969	88.000	0.40000			2.7000	2	-0.71	2%	0
107.00	Vitamin B12, Microbiological (µg / kg (ppb))	2004	95.200	5.0000			2.7000	2	0.71	2%	0
108.01	Vitamin D3, LC, AOAC (KU / kg)	2023	1.7050	0.73000			0.73000	1			0
108.99	Vitamin D3, Miscellaneous (KU / kg)	0969	0.00000	0.00000				0			4
108.99	Vitamin D3, Miscellaneous (KU / kg)	0970	0.00000	0.00000				0			4
108.99	Vitamin D3, Miscellaneous (KU / kg)	2004	0.00000	0.00000				0			4
109.02	Vitamin E, LC (mg / kg (ppm))	0969	9.3450	0.03000			0.61500	2	-0.71	9%	0
109.02	Vitamin E, LC (mg / kg (ppm))	2023	13.400	1.2000			0.61500	2	0.71	9%	0
112.00	Pyridoxine, Vitamin B6 (µg / g)	0969	2.2100	0.30000			0.29000	2	-0.71	4%	0
112.00	Pyridoxine, Vitamin B6 (µg / g)	2004	2.6000	0.28000			0.29000	2	0.71	4%	0
113.01	Folic Acid, Micro (mg / kg (ppm))	0969	1.1650	0.17000			0.14500	2	-0.71	0%	0
113.01	Folic Acid, Micro (mg / kg (ppm))	2004	1.1800	0.12000			0.14500	2	0.71	0%	0
114.01	Biotin, Microbiological (mg / kg (ppm))	0969	0.25900	0.00200			0.00300	2	-0.71	0%	0
114.01	Biotin, Microbiological (mg / kg (ppm))	2004	0.26100	0.00400			0.00300	2	0.71	0%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0504	3.5350	0.41000	3.6573	0.15555	0.15560	4	-0.79	2%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0870	3.5941	0.05240	3.6573	0.15555	0.15560	4	-0.41	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0227	3.6150	0.03000	3.6573	0.15555	0.15560	4	-0.27	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0171	3.8850	0.13000	3.6573	0.15555	0.15560	4	1.46	3%	0

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120.01	Alanine, Pre-col OPA Der (%)	0970	3.4550	0.15000	3.5350	0.08544	0.13000	3	-0.94	1%	0
120.01	Alanine, Pre-col OPA Der (%)	2004	3.5250	0.13000	3.5350	0.08544	0.13000	3	-0.12	0%	0
120.01	Alanine, Pre-col OPA Der (%)	0969	3.6250	0.11000	3.5350	0.08544	0.13000	3	1.05	1%	0
120.02	Alanine, Post-col OPA Der (%)	2023	3.3750	0.15000			0.15000	1			0
121.00	Arginine, Post-col Ninhydrin Der (%)	0870	3.1839	0.08460	3.4035	0.25716	0.11615	4	-0.85	3%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0504	3.3100	0.08000	3.4035	0.25716	0.11615	4	-0.36	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0227	3.3450	0.05000	3.4035	0.25716	0.11615	4	-0.23	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0171	3.7750	0.25000	3.4035	0.25716	0.11615	4	1.44	5%	0
121.01	Arginine, Pre-col OPA Der (%)	2004	3.3750	0.17000	3.4233	0.04752	0.11333	3	-1.02	1%	0
121.01	Arginine, Pre-col OPA Der (%)	0969	3.4250	0.05000	3.4233	0.04752	0.11333	3	0.04	0%	0
121.01	Arginine, Pre-col OPA Der (%)	0970	3.4700	0.12000	3.4233	0.04752	0.11333	3	0.98	1%	0
121.02	Arginine, Post-col OPA Der (%)	2023	3.0850	0.11000			0.11000	1			0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0870	3.5962	0.07780	3.6978	0.10162	0.09195	4	-1.00	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0227	3.6350	0.05000	3.6978	0.10162	0.09195	4	-0.62	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0504	3.7400	0.00000	3.6978	0.10162	0.09195	4	0.42	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0171	3.8200	0.24000	3.6978	0.10162	0.09195	4	1.20	2%	0
122.01	Aspartic, Pre-col OPA Der (%)	2004	3.4250	0.33000	3.4950	0.07263	0.16333	3	-0.96	1%	0
122.01	Aspartic, Pre-col OPA Der (%)	0969	3.4900	0.08000	3.4950	0.07263	0.16333	3	-0.07	0%	0
122.01	Aspartic, Pre-col OPA Der (%)	0970	3.5700	0.08000	3.4950	0.07263	0.16333	3	1.03	1%	0
122.02	Aspartic, Post-col OPA Der (%)	2023	3.3750	0.07000			0.07000	1			0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0227	0.39000	0.00000	0.43376	0.04836	0.01118	4	-0.91	5%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0870	0.39505	0.02470	0.43376	0.04836	0.01118	4	-0.80	4%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0171	0.46500	0.01000	0.43376	0.04836	0.01118	4	0.65	4%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0504	0.48500	0.01000	0.43376	0.04836	0.01118	4	1.06	6%	0
124.01	Cysteine/Cystine, PAO Pre-col OPA Der (%)	2004	0.37500	0.00800	0.39983	0.03712	0.03033	3	-0.67	3%	0
124.01	Cysteine/Cystine, PAO Pre-col OPA Der (%)	0969	0.38200	0.01600	0.39983	0.03712	0.03033	3	-0.48	2%	0
124.01	Cysteine/Cystine, PAO Pre-col OPA Der (%)	0970	0.44250	0.06700	0.39983	0.03712	0.03033	3	1.15	5%	0
124.02	Cysteine/Cystine, PAO Post-col OPA Der (%)	2023	0.41500	0.07000			0.07000	1			0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0171	6.0200	0.14000	6.2648	0.18260	0.12980	4	-1.34	2%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0504	6.2700	0.14000	6.2648	0.18260	0.12980	4	0.03	0%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0870	6.3092	0.07920	6.2648	0.18260	0.12980	4	0.24	0%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0227	6.4600	0.16000	6.2648	0.18260	0.12980	4	1.07	2%	0
125.01	Glutamic, Pre-col OPA Der (%)	2004	5.9600	0.40000	6.0667	0.09292	0.20000	3	-1.15	1%	0
125.01	Glutamic, Pre-col OPA Der (%)	0970	6.1100	0.20000	6.0667	0.09292	0.20000	3	0.47	0%	0
125.01	Glutamic, Pre-col OPA Der (%)	0969	6.1300	0.00000	6.0667	0.09292	0.20000	3	0.68	1%	0
125.02	Glutamic, Post-col OPA Der (%)	2023	6.0600	0.08000			0.08000	1			0
126.00	Glycine, Post-col Ninhydrin Der (%)	0171	5.7100	0.10000	6.2232	0.45450	0.16250	3	-1.13	4%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0870	6.3845	0.25750	6.2232	0.45450	0.16250	3	0.35	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0227	6.5750	0.13000	6.2232	0.45450	0.16250	3	0.77	3%	0
126.01	Glycine, Pre-col OPA Der (%)	0970	5.8450	0.35000	6.1267	0.30464	0.27333	3	-0.92	2%	0
126.01	Glycine, Pre-col OPA Der (%)	0969	6.0850	0.35000	6.1267	0.30464	0.27333	3	-0.14	0%	0
126.01	Glycine, Pre-col OPA Der (%)	2004	6.4500	0.12000	6.1267	0.30464	0.27333	3	1.06	3%	0

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126.02	Glycine, Post-col OPA Der (%)	2023	6.3550	0.55000			0.55000	1			0
127.00	Histidine, Post-col Ninhydrin Der (%)	0870	0.89585	0.02190	0.94396	0.06840	0.04048	4	-0.70	3%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0227	0.91000	0.00000	0.94396	0.06840	0.04048	4	-0.50	2%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0171	0.92500	0.05000	0.94396	0.06840	0.04048	4	-0.28	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0504	1.0450	0.09000	0.94396	0.06840	0.04048	4	1.48	5%	0
127.01	Histidine, Pre-col OPA Der (%)	0969	0.73950	0.02100	0.81567	0.08415	0.02000	3	-0.91	5%	0
127.01	Histidine, Pre-col OPA Der (%)	2004	0.80150	0.03300	0.81567	0.08415	0.02000	3	-0.17	1%	0
127.01	Histidine, Pre-col OPA Der (%)	0970	0.90600	0.00600	0.81567	0.08415	0.02000	3	1.07	6%	0
127.02	Histidine, Post-col OPA Der (%)	2023	0.82000	0.02000			0.02000	1			0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0504	1.3050	0.07000	1.3899	0.06481	0.06090	4	-1.31	3%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0227	1.3750	0.03000	1.3899	0.06481	0.06090	4	-0.23	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0870	1.4294	0.06360	1.3899	0.06481	0.06090	4	0.61	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0171	1.4500	0.08000	1.3899	0.06481	0.06090	4	0.93	2%	0
128.01	Isoleucine, Pre-col OPA Der (%)	2004	1.3600	0.14000	1.4117	0.06526	0.06333	3	-0.79	2%	0
128.01	Isoleucine, Pre-col OPA Der (%)	0969	1.3900	0.04000	1.4117	0.06526	0.06333	3	-0.33	1%	0
128.01	Isoleucine, Pre-col OPA Der (%)	0970	1.4850	0.01000	1.4117	0.06526	0.06333	3	1.12	3%	0
128.02	Isoleucine, Post-col OPA Der (%)	2023	1.1900	0.00000			0.00000	1			0
129.00	Leucine, Post-col Ninhydrin Der (%)	0870	2.9921	0.12350	3.1180	0.11776	0.05588	4	-1.07	2%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0227	3.0450	0.01000	3.1180	0.11776	0.05588	4	-0.62	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0504	3.2000	0.02000	3.1180	0.11776	0.05588	4	0.70	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0171	3.2350	0.07000	3.1180	0.11776	0.05588	4	0.99	2%	0
129.01	Leucine, Pre-col OPA Der (%)	2004	2.8650	0.21000	2.9917	0.13288	0.11667	3	-0.95	2%	0
129.01	Leucine, Pre-col OPA Der (%)	0969	2.9800	0.04000	2.9917	0.13288	0.11667	3	-0.09	0%	0
129.01	Leucine, Pre-col OPA Der (%)	0970	3.1300	0.10000	2.9917	0.13288	0.11667	3	1.04	2%	0
129.02	Leucine, Post-col OPA Der (%)	2023	2.8950	0.03000			0.03000	1			0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0227	2.4350	0.01000	2.5233	0.08312	0.01973	4	-1.35	2%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0504	2.5350	0.01000	2.5233	0.08312	0.01973	4	0.12	0%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0870	2.5379	0.05890	2.5233	0.08312	0.01973	4	0.16	0%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0171	2.6000	0.00000	2.5233	0.08312	0.01973	4	1.07	1%	0
130.01	L-Lysine, Pre-col OPA Der (%)	0969	2.2250	0.05000	2.2933	0.06752	0.04000	3	-1.01	1%	0
130.01	L-Lysine, Pre-col OPA Der (%)	2004	2.2950	0.03000	2.2933	0.06752	0.04000	3	0.02	0%	0
130.01	L-Lysine, Pre-col OPA Der (%)	0970	2.3600	0.04000	2.2933	0.06752	0.04000	3	0.99	1%	0
130.02	L-Lysine, Post-col OPA Der (%)	2023	2.2200	0.04000			0.04000	1			0
130.05	L-Lysine, Pre-col AQC Der (%)	0027	2.5475	0.13100			0.13100	1			0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0171	0.69500	0.05000	0.71888	0.02829	0.03625	4	-0.84	2%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0227	0.69500	0.03000	0.71888	0.02829	0.03625	4	-0.84	2%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0504	0.73500	0.03000	0.71888	0.02829	0.03625	4	0.57	1%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0870	0.75050	0.03500	0.71888	0.02829	0.03625	4	1.12	2%	0
131.01	Methionine, PAO Pre-col OPA Der (%)	2004	0.70650	0.08100	0.74983	0.04080	0.06900	3	-1.06	3%	0
131.01	Methionine, PAO Pre-col OPA Der (%)	0970	0.75550	0.06100	0.74983	0.04080	0.06900	3	0.14	0%	0
131.01	Methionine, PAO Pre-col OPA Der (%)	0969	0.78750	0.06500	0.74983	0.04080	0.06900	3	0.92	3%	0
131.02	Methionine, PAO Post-col OPA Der (%)	2023	0.66500	0.01000			0.01000	1			0

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132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0504	1.5800	0.02000	1.6752	0.06863	0.03145	4	-1.39	3%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0227	1.6700	0.02000	1.6752	0.06863	0.03145	4	-0.08	0%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0171	1.7250	0.05000	1.6752	0.06863	0.03145	4	0.73	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0870	1.7258	0.03580	1.6752	0.06863	0.03145	4	0.74	2%	0
132.01	Phenylalanine, Pre-col OPA Der (%)	2004	1.5850	0.13000	1.6450	0.06265	0.06333	3	-0.96	2%	0
132.01	Phenylalanine, Pre-col OPA Der (%)	0969	1.6400	0.02000	1.6450	0.06265	0.06333	3	-0.08	0%	0
132.01	Phenylalanine, Pre-col OPA Der (%)	0970	1.7100	0.04000	1.6450	0.06265	0.06333	3	1.04	2%	0
132.02	Phenylalanine, Post-col OPA Der (%)	2023	1.6550	0.03000			0.03000	1			0
133.00	Proline, Post-col Ninhydrin Der (%)	0870	4.1173	0.09620	4.4524	0.45084	0.08540	3	-0.74	4%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0227	4.2750	0.05000	4.4524	0.45084	0.08540	3	-0.39	2%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0171	4.9650	0.11000	4.4524	0.45084	0.08540	3	1.14	6%	0
133.04	Proline, Pre-col FMOC Der (%)	2004	4.3900	0.16000			0.16000	1			0
133.99	Proline, Miscellaneous (%)	0970	4.0800	0.12000	4.2100	0.21656	0.13333	3	-0.60	2%	0
133.99	Proline, Miscellaneous (%)	0969	4.0900	0.00000	4.2100	0.21656	0.13333	3	-0.55	1%	0
133.99	Proline, Miscellaneous (%)	2023	4.4600	0.28000	4.2100	0.21656	0.13333	3	1.15	3%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0870	1.9305	0.05910	1.9418	0.01016	0.08978	4	-0.65	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0504	1.9450	0.13000	1.9418	0.01016	0.08978	4	-0.45	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0227	1.9500	0.06000	1.9418	0.01016	0.08978	4	-0.38	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0171	2.0850	0.11000	1.9418	0.01016	0.08978	4	1.49	3%	0
134.01	Serine, Pre-col OPA Der (%)	2004	1.8000	0.12000	1.8567	0.05132	0.09333	3	-1.10	2%	0
134.01	Serine, Pre-col OPA Der (%)	0970	1.8700	0.14000	1.8567	0.05132	0.09333	3	0.26	0%	0
134.01	Serine, Pre-col OPA Der (%)	0969	1.9000	0.02000	1.8567	0.05132	0.09333	3	0.84	1%	0
134.02	Serine, Post-col OPA Der (%)	2023	1.8900	0.06000			0.06000	1			0
135.00	Threonine, Post-col Ninhydrin Der (%)	0870	1.5915	0.01220	1.6029	0.01139	0.02805	4	-1.00	0%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0227	1.5950	0.05000	1.6029	0.01139	0.02805	4	-0.69	0%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0171	1.6100	0.04000	1.6029	0.01139	0.02805	4	0.63	0%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0504	1.6150	0.01000	1.6029	0.01139	0.02805	4	1.06	0%	0
135.01	Threonine, Pre-col OPA Der (%)	2004	1.4850	0.15000	1.5467	0.06526	0.08000	3	-0.94	2%	0
135.01	Threonine, Pre-col OPA Der (%)	0969	1.5400	0.02000	1.5467	0.06526	0.08000	3	-0.10	0%	0
135.01	Threonine, Pre-col OPA Der (%)	0970	1.6150	0.07000	1.5467	0.06526	0.08000	3	1.05	2%	0
135.02	Threonine, Post-col OPA Der (%)	2023	1.5000	0.00000			0.00000	1			0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0870	0.30015	0.00330			0.00165	2	-0.71	4%	0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0227	0.35000	0.00000			0.00165	2	0.71	4%	0
136.02	Tryptophan, Alka-Hydrol Post-col OPA De (%)	2023	0.22000	0.00000			0.00000	1			0
136.99	Tryptophan, Miscellaneous (%)	0969	0.25550	0.02100	0.31900	0.04890	0.03200	4	-1.30	10%	0
136.99	Tryptophan, Miscellaneous (%)	2004	0.30650	0.04900	0.31900	0.04890	0.03200	4	-0.26	2%	0
136.99	Tryptophan, Miscellaneous (%)	0504	0.35000	0.04000	0.31900	0.04890	0.03200	4	0.63	5%	0
136.99	Tryptophan, Miscellaneous (%)	0970	0.36400	0.01800	0.31900	0.04890	0.03200	4	0.92	7%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0870	0.88955	0.00350	1.1486	0.19489	0.03338	4	-1.33	11%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0227	1.1100	0.02000	1.1486	0.19489	0.03338	4	-0.20	2%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0171	1.2750	0.03000	1.1486	0.19489	0.03338	4	0.65	6%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0504	1.3200	0.08000	1.1486	0.19489	0.03338	4	0.88	7%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
137.01	Tyrosine, Pre-col OPA Der (%)	2004	1.1850	0.09000	1.2400	0.05268	0.05333	3	-1.04	2%	0
137.01	Tyrosine, Pre-col OPA Der (%)	0969	1.2450	0.01000	1.2400	0.05268	0.05333	3	0.09	0%	0
137.01	Tyrosine, Pre-col OPA Der (%)	0970	1.2900	0.06000	1.2400	0.05268	0.05333	3	0.95	2%	0
137.02	Tyrosine, Post-col OPA Der (%)	2023	1.0400	0.04000			0.04000	1			0
138.00	Valine, Post-col Ninhydrin Der (%)	0504	1.9750	0.01000	2.0799	0.09606	0.05830	4	-1.09	3%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0870	2.0396	0.11320	2.0799	0.09606	0.05830	4	-0.42	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0227	2.1050	0.01000	2.0799	0.09606	0.05830	4	0.26	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0171	2.2000	0.10000	2.0799	0.09606	0.05830	4	1.25	3%	0
138.01	Valine, Pre-col OPA Der (%)	2004	1.9250	0.13000	2.0433	0.11751	0.08000	3	-1.01	3%	0
138.01	Valine, Pre-col OPA Der (%)	0969	2.0450	0.05000	2.0433	0.11751	0.08000	3	0.01	0%	0
138.01	Valine, Pre-col OPA Der (%)	0970	2.1600	0.06000	2.0433	0.11751	0.08000	3	0.99	3%	0
138.02	Valine, Post-col OPA Der (%)	2023	1.7100	0.04000			0.04000	1			0
139.00	Taurine, Post-col Ninhydrin Der (%)	0970	0.05615	0.00050	0.07088	0.01345	0.00323	4	-0.86	19%	0
139.00	Taurine, Post-col Ninhydrin Der (%)	0171	0.07400	0.00200	0.07088	0.01345	0.00323	4	-0.40	9%	0
139.00	Taurine, Post-col Ninhydrin Der (%)	0969	0.08250	0.00040	0.07088	0.01345	0.00323	4	-0.18	4%	0
139.00	Taurine, Post-col Ninhydrin Der (%)	0504	0.14500	0.01000	0.07088	0.01345	0.00323	4	1.44	31%	0
139.01	Taurine, Pre-col OPA Der (%)	2004	0.05050	0.00140			0.00140	1			0
400.99	Water activity, Miscellaneous (Units)	2083	0.38600	0.00200			0.00200	1			0
516.52	Arsenic, total, ICP-MS, Open vessel (mg / kg (ppm	0555	0.14500	0.05000			0.05000	1			0
516.53	Arsenic, total, ICP-MS, Microwave (mg / kg (ppm))	0227	0.04550	0.00100			0.00165	2	-0.71	1%	0
516.53	Arsenic, total, ICP-MS, Microwave (mg / kg (ppm))	0553	0.04825	0.00230			0.00165	2	0.71	1%	0
518.41	Cadmium, ICP, Dry ash (mg / kg (ppm))	0171	0.06000	0.00000			0.00000	1			0
518.42	Cadmium, ICP, Open vessel (mg / kg (ppm))	0555	0.06110	0.03740			0.03740	1			0
518.52	Cadmium, ICP-MS, Open vessel (mg / kg (ppm))	0555	0.00000	0.00000			0.00000	0			4
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0227	0.02150	0.00100			0.00095	2	-0.71	1%	0
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0553	0.02235	0.00090			0.00095	2	0.71	1%	0
520.41	Chromium, ICP, Dry ash (mg / kg (ppm))	0171	2.6100	0.12000			0.12000	1			0
520.43	Chromium, ICP, Microwave (mg / kg (ppm))	0510	0.57500	0.05000			0.05000	1			0
520.52	Chromium, ICP-MS, Open vessel (mg / kg (ppm))	0555	0.78000	0.16000			0.16000	1			0
520.53	Chromium, ICP-MS, Microwave (mg / kg (ppm))	2023	0.58000	0.12000			0.07750	2	-0.71	1%	0
520.53	Chromium, ICP-MS, Microwave (mg / kg (ppm))	0553	0.59450	0.03500			0.07750	2	0.71	1%	0
526.41	Lead, ICP, Dry ash (mg / kg (ppm))	0171	0.19500	0.01000			0.01000	1			0
526.52	Lead, ICP-MS, Open vessel (mg / kg (ppm))	0555	0.27500	0.09000			0.09000	1			0
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0227	0.19050	0.01100			0.01350	2	-0.71	5%	0
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0553	0.22900	0.01600			0.01350	2	0.71	5%	0
539.41	Nickel, ICP, Dry ash (mg / kg (ppm))	0171	1.3000	0.20000			0.20000	1			0
539.52	Nickel, ICP-MS, Open vessel (mg / kg (ppm))	0555	1.3500	0.10000			0.10000	1			0
539.53	Nickel, ICP-MS, Microwave (mg / kg (ppm))	2023	0.99500	0.07000			0.07000	2	-0.71	2%	0
539.53	Nickel, ICP-MS, Microwave (mg / kg (ppm))	0553	1.0650	0.07000			0.07000	2	0.71	2%	0

Notes: Interpreting Z Scores: Red indicates a normally distributed Z value >3 or <-3 (requires action), Orange = Z between 2 and 3 or -2 and -3 (warning) and Green = Z < 2 and >-2 (OK at 95%). Flags indicate data usage: 0 = Used, 1 = Rejected for duplicates too far apart, 2 = Rejected as outlier, 8 = Analyst data exempt and 4 = zeros submitted as values. Robust statistics not used if < 6 labs reporting, in this case the Z Scores are included for information only (Grey, No Action!). Flag 9

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			

indicates no statistics calculated for this dataset. To review the problem please see all submitted data for this test.