



Proficiency For Individual Methods

Sample # 201542

Brown Rice

All Tests Report
Pet Food Program

Labs Reporting: 56

Issue Date : 07/31/2015

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0027	11.345	0.04500	11.640	0.35217	0.14753	4	-0.84	1%	0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0034	11.395	0.05000	11.640	0.35217	0.14753	4	-0.69	1%	0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0504	11.710	0.34000	11.640	0.35217	0.14753	4	0.20	0%	0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0309	12.109	0.15510	11.640	0.35217	0.14753	4	1.33	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0171	11.300	0.04000	11.555	0.22195	0.05400	5	-1.15	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0098	11.385	0.07000	11.555	0.22195	0.05400	5	-0.77	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0074	11.530	0.08000	11.555	0.22195	0.05400	5	-0.11	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0003	11.755	0.03000	11.555	0.22195	0.05400	5	0.90	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0015	11.805	0.05000	11.555	0.22195	0.05400	5	1.13	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0510	11.400	0.00000			0.00000	1			0
002.01	Protein, Auto Kjel-Foss (%)	2023	7.9350	0.03000	7.9878	0.04668	0.09833	3	-1.13	0%	0
002.01	Protein, Auto Kjel-Foss (%)	0164	8.0050	0.21000	7.9878	0.04668	0.09833	3	0.37	0%	0
002.01	Protein, Auto Kjel-Foss (%)	0870	8.0235	0.05500	7.9878	0.04668	0.09833	3	0.76	0%	0
002.04	Protein, Copper Catalyst (%)	0504	8.2650	0.05000			0.05000	1			0
002.05	Protein, Copper, Boric Acid (%)	0015	8.2800	0.12000			0.12000	1			0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0047	7.5500	0.10000	8.1476	0.20629	0.10046	41	-2.90	4%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0808	7.7500	0.01000	8.1476	0.20629	0.10046	41	-1.93	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0811	7.7500	0.10000	8.1476	0.20629	0.10046	41	-1.93	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0840	7.8055	0.00100	8.1476	0.20629	0.10046	41	-1.66	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0841	7.8100	0.02000	8.1476	0.20629	0.10046	41	-1.64	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0810	7.8300	0.04000	8.1476	0.20629	0.10046	41	-1.54	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2094	7.8450	0.11000	8.1476	0.20629	0.10046	41	-1.47	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0842	7.8650	0.07000	8.1476	0.20629	0.10046	41	-1.37	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	1010	7.9015	0.00300	8.1476	0.20629	0.10046	41	-1.19	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0957	7.9200	0.02000	8.1476	0.20629	0.10046	41	-1.10	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0098	8.0250	0.07000	8.1476	0.20629	0.10046	41	-0.59	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0003	8.0400	0.00000	8.1476	0.20629	0.10046	41	-0.52	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0208	8.0415	0.34500	8.1476	0.20629	0.10046	41	-0.51	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0417	8.0750	0.17000	8.1476	0.20629	0.10046	41	-0.35	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0958	8.0800	0.08000	8.1476	0.20629	0.10046	41	-0.33	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0792	8.0815	0.13100	8.1476	0.20629	0.10046	41	-0.32	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 (%)	0164	8.1100	0.10000	8.1476	0.20629	0.10046	41	-0.18	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0074	8.1250	0.29000	8.1476	0.20629	0.10046	41	-0.11	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	1005	8.1600	0.08000	8.1476	0.20629	0.10046	41	0.06	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0960	8.1650	0.11000	8.1476	0.20629	0.10046	41	0.08	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0014	8.1800	0.04000	8.1476	0.20629	0.10046	41	0.16	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0553	8.1950	0.21000	8.1476	0.20629	0.10046	41	0.23	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2089	8.2250	0.01000	8.1476	0.20629	0.10046	41	0.38	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0959	8.2300	0.22000	8.1476	0.20629	0.10046	41	0.40	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2023	8.2350	0.05000	8.1476	0.20629	0.10046	41	0.42	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0171	8.2450	0.11000	8.1476	0.20629	0.10046	41	0.47	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0510	8.2500	0.10000	8.1476	0.20629	0.10046	41	0.50	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0508	8.2673	0.14970	8.1476	0.20629	0.10046	41	0.58	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0660	8.2700	0.28000	8.1476	0.20629	0.10046	41	0.59	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0794	8.2750	0.07000	8.1476	0.20629	0.10046	41	0.62	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0033	8.2800	0.12000	8.1476	0.20629	0.10046	41	0.64	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0034	8.2880	0.21800	8.1476	0.20629	0.10046	41	0.68	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0876	8.2900	0.10000	8.1476	0.20629	0.10046	41	0.69	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0789	8.3135	0.08300	8.1476	0.20629	0.10046	41	0.80	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0001	8.3250	0.08800	8.1476	0.20629	0.10046	41	0.86	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2050	8.3400	0.02000	8.1476	0.20629	0.10046	41	0.93	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0511	8.3650	0.29000	8.1476	0.20629	0.10046	41	1.05	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0504	8.3750	0.01000	8.1476	0.20629	0.10046	41	1.10	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0309	8.4000	0.00000	8.1476	0.20629	0.10046	41	1.22	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0202	8.5850	0.03000	8.1476	0.20629	0.10046	41	2.12	3%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0650	8.9550	0.07000	8.1476	0.20629	0.10046	41	3.91	5%	0
002.08	Protein, Cu/Ti (%)	0098	7.8250	0.09000			0.09000	2	-0.71	1%	0
002.08	Protein, Cu/Ti (%)	0208	8.0450	0.09000			0.09000	2	0.71	1%	0
002.11	Protein, NIR (%)	2036	7.7400	0.12000			0.12000	1			0
002.99	Protein, Miscellaneous (%)	2004	8.1200	0.02000	8.1867	0.09866	0.04000	3	-0.68	0%	0
002.99	Protein, Miscellaneous (%)	0970	8.1400	0.06000	8.1867	0.09866	0.04000	3	-0.47	0%	0
002.99	Protein, Miscellaneous (%)	0969	8.3000	0.04000	8.1867	0.09866	0.04000	3	1.15	1%	0
003.00	Fat, Eth Ext., Direct (%)	0876	2.3900	0.02000			0.29430	2	-0.71	9%	0
003.00	Fat, Eth Ext., Direct (%)	0309	3.4701	0.56860			0.29430	2	0.71	9%	0
003.01	Fat, Ind Eth Ext (13th ed.), Indirect (%)	0504	2.9400	1.0600			1.0600	1			0
003.06	Fat, Pet Ether (%)	0074	2.6100	0.30000			0.40500	2	-0.71	2%	0
003.06	Fat, Pet Ether (%)	0511	2.8450	0.51000			0.40500	2	0.71	2%	0
003.09	Fat, Soxtec, Eth Ext (%)	0027	2.6235	0.00100	2.6695	0.05835	0.04678	4	-0.79	1%	0
003.09	Fat, Soxtec, Eth Ext (%)	0508	2.6494	0.03610	2.6695	0.05835	0.04678	4	-0.34	0%	0
003.09	Fat, Soxtec, Eth Ext (%)	0510	2.6500	0.10000	2.6695	0.05835	0.04678	4	-0.33	0%	0
003.09	Fat, Soxtec, Eth Ext (%)	0098	2.7550	0.05000	2.6695	0.05835	0.04678	4	1.47	2%	0
003.10	Fat, Soxtec, Pet Ether (%)	0098	2.6550	0.03000	2.6550	0.00000	0.06350	3	-0.58	0%	0
003.10	Fat, Soxtec, Pet Ether (%)	0553	2.6550	0.05000	2.6550	0.00000	0.06350	3	-0.58	0%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
003.10	Fat, Soxtec, Pet Ether (%)	0870	2.6710	0.11050	2.6550	0.00000	0.06350	3	1.15	0%	0
003.11	Fat, NIR (%)	2036	4.5350	0.03000			0.03000	1			0
003.12	Fat, Hexane Ext (%)	0171	2.7450	0.09000			0.09000	1			0
003.13	Fat, Soxtec, Hexane Ext. (%)	0208	2.2100	0.12000	2.4900	0.19335	0.19200	5	-1.18	8%	0
003.13	Fat, Soxtec, Hexane Ext. (%)	0660	2.5150	0.07000	2.4900	0.19335	0.19200	5	-0.32	2%	0
003.13	Fat, Soxtec, Hexane Ext. (%)	0098	2.6000	0.02000	2.4900	0.19335	0.19200	5	-0.08	1%	0
003.13	Fat, Soxtec, Hexane Ext. (%)	0033	2.6350	0.05000	2.4900	0.19335	0.19200	5	0.01	0%	0
003.13	Fat, Soxtec, Hexane Ext. (%)	2089	3.1900	0.70000	2.4900	0.19335	0.19200	5	1.58	11%	0
003.14	Fat, Ankom (%)	0003	2.2600	1.4000	2.5963	0.10061	0.34200	5	-1.55	5%	0
003.14	Fat, Ankom (%)	0034	2.4650	0.03000	2.5963	0.10061	0.34200	5	-0.37	1%	0
003.14	Fat, Ankom (%)	0015	2.6000	0.20000	2.5963	0.10061	0.34200	5	0.41	1%	0
003.14	Fat, Ankom (%)	2023	2.6100	0.06000	2.5963	0.10061	0.34200	5	0.47	2%	0
003.14	Fat, Ankom (%)	0202	2.7100	0.02000	2.5963	0.10061	0.34200	5	1.04	4%	0
003.99	Fat, Miscellaneous (%)	0047	2.4200	0.00000			0.00000	1			0
004.00	Fiber, Crude, Asbestos Free (%)	0969	0.68500	0.01000	1.0013	0.29432	0.09510	11	-1.07	16%	0
004.00	Fiber, Crude, Asbestos Free (%)	2004	0.69100	0.00000	1.0013	0.29432	0.09510	11	-1.05	15%	0
004.00	Fiber, Crude, Asbestos Free (%)	0309	0.80635	0.00610	1.0013	0.29432	0.09510	11	-0.66	10%	0
004.00	Fiber, Crude, Asbestos Free (%)	0504	0.83000	0.06000	1.0013	0.29432	0.09510	11	-0.58	9%	0
004.00	Fiber, Crude, Asbestos Free (%)	0511	0.85000	0.10000	1.0013	0.29432	0.09510	11	-0.51	8%	0
004.00	Fiber, Crude, Asbestos Free (%)	2023	0.90500	0.05000	1.0013	0.29432	0.09510	11	-0.33	5%	0
004.00	Fiber, Crude, Asbestos Free (%)	0171	1.0900	0.12000	1.0013	0.29432	0.09510	11	0.30	4%	0
004.00	Fiber, Crude, Asbestos Free (%)	0017	1.1500	0.10000	1.0013	0.29432	0.09510	11	0.51	7%	0
004.00	Fiber, Crude, Asbestos Free (%)	2094	1.2450	0.21000	1.0013	0.29432	0.09510	11	0.83	12%	0
004.00	Fiber, Crude, Asbestos Free (%)	0208	1.5050	0.19000	1.0013	0.29432	0.09510	11	1.71	25%	0
004.00	Fiber, Crude, Asbestos Free (%)	0876	2.1000	0.20000	1.0013	0.29432	0.09510	11	3.73	55%	0
004.03	Fiber, Fritted Glass (%)	2089	0.90000	0.30000			0.30000	1			0
004.06	Fiber, Fibertec (%)	0027	0.76350	0.10100			0.15550	2	-0.71	6%	0
004.06	Fiber, Fibertec (%)	0098	0.95500	0.21000			0.15550	2	0.71	6%	0
004.07	Fiber, ANKOM (%)	0510	0.55000	0.10000	0.80338	0.25120	0.13146	7	-1.01	16%	0
004.07	Fiber, ANKOM (%)	0202	0.56500	0.01000	0.80338	0.25120	0.13146	7	-0.95	15%	0
004.07	Fiber, ANKOM (%)	0034	0.70000	0.20000	0.80338	0.25120	0.13146	7	-0.41	6%	0
004.07	Fiber, ANKOM (%)	0098	0.83000	0.26000	0.80338	0.25120	0.13146	7	0.11	2%	0
004.07	Fiber, ANKOM (%)	0074	0.83500	0.17000	0.80338	0.25120	0.13146	7	0.13	2%	0
004.07	Fiber, ANKOM (%)	0033	0.98000	0.04000	0.80338	0.25120	0.13146	7	0.70	11%	0
004.07	Fiber, ANKOM (%)	0870	1.5373	0.14020	0.80338	0.25120	0.13146	7	2.92	46%	0
004.07	Fiber, ANKOM (%)	0003	0.98500	0.71000	0.80338	0.25120	0.13146	7	0.72	11%	1
004.11	Fiber, NIR (%)	2036	0.12000	0.24000			0.24000	0			4
005.00	Ash, 2h @ 600°C (%)	0417	0.96500	0.05000	1.2963	0.03907	0.05445	28	-8.48	13%	0
005.00	Ash, 2h @ 600°C (%)	0811	1.1850	0.07000	1.2963	0.03907	0.05445	28	-2.85	4%	0
005.00	Ash, 2h @ 600°C (%)	0047	1.2500	0.10000	1.2963	0.03907	0.05445	28	-1.19	2%	0
005.00	Ash, 2h @ 600°C (%)	0957	1.2550	0.05000	1.2963	0.03907	0.05445	28	-1.06	2%	0
005.00	Ash, 2h @ 600°C (%)	0164	1.2600	0.06000	1.2963	0.03907	0.05445	28	-0.93	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO CS	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
005.00	Ash, 2h @ 600°C (%)	0842	1.2650	0.01000	1.2963	0.03907	0.05445	28	-0.80	1%	0
005.00	Ash, 2h @ 600°C (%)	0171	1.2750	0.03000	1.2963	0.03907	0.05445	28	-0.55	1%	0
005.00	Ash, 2h @ 600°C (%)	0810	1.2800	0.02000	1.2963	0.03907	0.05445	28	-0.42	1%	0
005.00	Ash, 2h @ 600°C (%)	0958	1.2800	0.02000	1.2963	0.03907	0.05445	28	-0.42	1%	0
005.00	Ash, 2h @ 600°C (%)	0001	1.2804	0.00480	1.2963	0.03907	0.05445	28	-0.41	1%	0
005.00	Ash, 2h @ 600°C (%)	0208	1.2850	0.07000	1.2963	0.03907	0.05445	28	-0.29	0%	0
005.00	Ash, 2h @ 600°C (%)	0808	1.2850	0.01000	1.2963	0.03907	0.05445	28	-0.29	0%	0
005.00	Ash, 2h @ 600°C (%)	0841	1.2850	0.01000	1.2963	0.03907	0.05445	28	-0.29	0%	0
005.00	Ash, 2h @ 600°C (%)	0959	1.2850	0.07000	1.2963	0.03907	0.05445	28	-0.29	0%	0
005.00	Ash, 2h @ 600°C (%)	0650	1.2900	0.04000	1.2963	0.03907	0.05445	28	-0.16	0%	0
005.00	Ash, 2h @ 600°C (%)	0840	1.2900	0.02000	1.2963	0.03907	0.05445	28	-0.16	0%	0
005.00	Ash, 2h @ 600°C (%)	0015	1.2950	0.11000	1.2963	0.03907	0.05445	28	-0.03	0%	0
005.00	Ash, 2h @ 600°C (%)	0870	1.2976	0.02630	1.2963	0.03907	0.05445	28	0.03	0%	0
005.00	Ash, 2h @ 600°C (%)	0511	1.3100	0.02000	1.2963	0.03907	0.05445	28	0.35	1%	0
005.00	Ash, 2h @ 600°C (%)	0510	1.3250	0.05000	1.2963	0.03907	0.05445	28	0.73	1%	0
005.00	Ash, 2h @ 600°C (%)	1010	1.3300	0.02000	1.2963	0.03907	0.05445	28	0.86	1%	0
005.00	Ash, 2h @ 600°C (%)	0504	1.3400	0.12000	1.2963	0.03907	0.05445	28	1.12	2%	0
005.00	Ash, 2h @ 600°C (%)	0027	1.3445	0.01900	1.2963	0.03907	0.05445	28	1.23	2%	0
005.00	Ash, 2h @ 600°C (%)	0660	1.3650	0.07000	1.2963	0.03907	0.05445	28	1.76	3%	0
005.00	Ash, 2h @ 600°C (%)	0553	1.4000	0.02000	1.2963	0.03907	0.05445	28	2.65	4%	0
005.00	Ash, 2h @ 600°C (%)	0098	1.5300	0.12000	1.2963	0.03907	0.05445	28	5.98	9%	0
005.00	Ash, 2h @ 600°C (%)	2089	1.6300	0.22000	1.2963	0.03907	0.05445	28	8.54	13%	0
005.00	Ash, 2h @ 600°C (%)	0309	1.6830	0.09450	1.2963	0.03907	0.05445	28	9.90	15%	0
005.00	Ash, 2h @ 600°C (%)	0960	1.2050	0.27000	1.2963	0.03907	0.05445	28	-2.34	4%	1
005.05	Ash, 3h @ 550°C (%)	0003	1.3750	0.11000			0.06500	2	-0.71	1%	0
005.05	Ash, 3h @ 550°C (%)	0033	1.4600	0.02000			0.06500	2	0.71	1%	0
005.11	Ash, NIR (%)	2036	1.4650	0.01000			0.01000	1			0
005.99	Ash, Miscellaneous (%)	0202	1.2100	0.00000	1.3067	0.02640	0.01667	6	-3.66	4%	0
005.99	Ash, Miscellaneous (%)	0969	1.2950	0.01000	1.3067	0.02640	0.01667	6	-0.44	0%	0
005.99	Ash, Miscellaneous (%)	0914	1.3050	0.05000	1.3067	0.02640	0.01667	6	-0.06	0%	0
005.99	Ash, Miscellaneous (%)	2094	1.3050	0.01000	1.3067	0.02640	0.01667	6	-0.06	0%	0
005.99	Ash, Miscellaneous (%)	2023	1.3250	0.03000	1.3067	0.02640	0.01667	6	0.69	1%	0
005.99	Ash, Miscellaneous (%)	0970	1.3400	0.00000	1.3067	0.02640	0.01667	6	1.26	1%	0
005.99	Ash, Miscellaneous (%)	2004	1.3850	0.17000	1.3067	0.02640	0.01667	6	2.97	3%	1
006.99	Total sugars, Miscellaneous (%)	0970	0.70000	0.00000	0.75000	0.07071	0.00033	3	-1.00	6%	0
006.99	Total sugars, Miscellaneous (%)	0969	0.80000	0.00000	0.75000	0.07071	0.00033	3	-0.01	0%	0
006.99	Total sugars, Miscellaneous (%)	2004	0.90250	0.00100	0.75000	0.07071	0.00033	3	1.00	6%	0
008.02	Fiber, Acid Detergent (%)	0309	1.3075	0.11790	1.6275	0.41397	0.24930	3	-0.77	10%	0
008.02	Fiber, Acid Detergent (%)	0504	1.4800	0.58000	1.6275	0.41397	0.24930	3	-0.36	5%	0
008.02	Fiber, Acid Detergent (%)	0098	2.0950	0.05000	1.6275	0.41397	0.24930	3	1.13	14%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0870	0.88275	0.00370				1			0
008.08	Fiber, Acid Detergent, ANKOM (%)	2004	0.00000	0.00000				1			4

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009.07	Fiber, Neutral Det-ENZ Pretreat (%)	2089	2.8200	0.94000	3.5591	1.1342	0.56760	3	-0.65	10%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0309	2.9922	0.71280	3.5591	1.1342	0.56760	3	-0.50	8%	0
009.07	Fiber, Neutral Det-ENZ Pretreat (%)	0208	4.8650	0.05000	3.5591	1.1342	0.56760	3	1.15	18%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	2004	2.0000	0.00000			0.07120	2	-0.71	4%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0870	2.3667	0.14240			0.07120	2	0.71	4%	0
010.03	Moisture, Karl-Fischer (%)	0208	12.450	0.30000			0.18000	2	-0.71	0%	0
010.03	Moisture, Karl-Fischer (%)	0164	12.520	0.06000			0.18000	2	0.71	0%	0
010.11	Moisture, NIR (%)	2036	12.300	0.02000			0.02000	1			0
010.99	Moisture, Miscellaneous (%)	0969	11.000	0.00000	11.667	0.70238	0.10250	4	-0.88	2%	0
010.99	Moisture, Miscellaneous (%)	2089	11.195	0.41000	11.667	0.70238	0.10250	4	-0.57	2%	0
010.99	Moisture, Miscellaneous (%)	0970	11.600	0.00000	11.667	0.70238	0.10250	4	0.08	0%	0
010.99	Moisture, Miscellaneous (%)	2004	12.400	0.00000	11.667	0.70238	0.10250	4	1.37	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0510	11.700	0.20000	12.481	0.23452	0.11708	24	-3.33	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0047	11.850	0.10000	12.481	0.23452	0.11708	24	-2.69	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0098	12.030	0.42000	12.481	0.23452	0.11708	24	-1.92	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0511	12.190	0.06000	12.481	0.23452	0.11708	24	-1.24	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0960	12.215	0.13000	12.481	0.23452	0.11708	24	-1.13	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0309	12.250	0.02000	12.481	0.23452	0.11708	24	-0.98	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0208	12.350	0.10000	12.481	0.23452	0.11708	24	-0.56	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0553	12.405	0.29000	12.481	0.23452	0.11708	24	-0.32	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	1005	12.410	0.02000	12.481	0.23452	0.11708	24	-0.30	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0164	12.430	0.08000	12.481	0.23452	0.11708	24	-0.22	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0202	12.430	0.06000	12.481	0.23452	0.11708	24	-0.22	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0171	12.450	0.02000	12.481	0.23452	0.11708	24	-0.13	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0789	12.535	0.07000	12.481	0.23452	0.11708	24	0.23	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0957	12.555	0.09000	12.481	0.23452	0.11708	24	0.32	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0650	12.575	0.39000	12.481	0.23452	0.11708	24	0.40	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0660	12.585	0.13000	12.481	0.23452	0.11708	24	0.44	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0033	12.600	0.00000	12.481	0.23452	0.11708	24	0.51	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0811	12.600	0.00000	12.481	0.23452	0.11708	24	0.51	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0792	12.630	0.08000	12.481	0.23452	0.11708	24	0.64	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	2094	12.670	0.22000	12.481	0.23452	0.11708	24	0.81	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0794	12.735	0.05000	12.481	0.23452	0.11708	24	1.08	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0808	12.770	0.04000	12.481	0.23452	0.11708	24	1.23	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0959	12.845	0.15000	12.481	0.23452	0.11708	24	1.55	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0958	12.875	0.09000	12.481	0.23452	0.11708	24	1.68	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0870	11.892	0.69030	12.481	0.23452	0.11708	24	-2.51	2%	1
011.02	Loss on Drying, 130°C for 2 hours (%)	2023	12.315	0.21000	12.321	0.00813	0.10967	3	-0.61	0%	0
011.02	Loss on Drying, 130°C for 2 hours (%)	2083	12.327	0.04900	12.321	0.00813	0.10967	3	-0.55	0%	0
011.02	Loss on Drying, 130°C for 2 hours (%)	0417	12.655	0.07000	12.321	0.00813	0.10967	3	1.15	1%	0
011.03	Loss on drying, 130°C, 1 hour, Flour (%)	1010	12.245	0.01000	12.398	0.16312	0.04400	5	-0.94	1%	0
011.03	Loss on drying, 130°C, 1 hour, Flour (%)	0842	12.265	0.05000	12.398	0.16312	0.04400	5	-0.82	1%	0

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011.03	Loss on drying, 130°C, 1 hour, Flour (%)	0841	12.390	0.02000	12.398	0.16312	0.04400	5	-0.05	0%	0
011.03	Loss on drying, 130°C, 1 hour, Flour (%)	0840	12.440	0.04000	12.398	0.16312	0.04400	5	0.26	0%	0
011.03	Loss on drying, 130°C, 1 hour, Flour (%)	0810	12.650	0.10000	12.398	0.16312	0.04400	5	1.54	1%	0
012.00	Starch, Polarimetric (Ewers) (%)	2023	73.400	1.0000			1.0000	1			0
012.01	Starch, Megazyme (%)	0870	68.884	2.2660			1.4830	2	-0.71	0%	0
012.01	Starch, Megazyme (%)	2004	69.050	0.70000			1.4830	2	0.71	0%	0
012.02	Starch, Colorimetric (GOP) (%)	2089	75.995	2.1500			2.1500	1			0
012.03	Starch, Enzymatic (%)	0098	70.700	0.20000			0.20000	1			0
012.04	Starch, YSI Analyzer (%)	0510	70.700	0.60000			0.60000	1			0
012.11	Starch, NIR (%)	2036	72.110	0.32000			0.32000	1			0
013.00	Fat, Acid hydrolysis (%)	0969	2.8500	0.10000	3.2552	0.30664	0.07000	9	-1.32	6%	0
013.00	Fat, Acid hydrolysis (%)	0555	2.9700	0.06000	3.2552	0.30664	0.07000	9	-0.93	4%	0
013.00	Fat, Acid hydrolysis (%)	0970	3.0500	0.10000	3.2552	0.30664	0.07000	9	-0.67	3%	0
013.00	Fat, Acid hydrolysis (%)	2004	3.2000	0.00000	3.2552	0.30664	0.07000	9	-0.18	1%	0
013.00	Fat, Acid hydrolysis (%)	0504	3.2350	0.09000	3.2552	0.30664	0.07000	9	-0.07	0%	0
013.00	Fat, Acid hydrolysis (%)	0202	3.3450	0.03000	3.2552	0.30664	0.07000	9	0.29	1%	0
013.00	Fat, Acid hydrolysis (%)	0098	3.4200	0.18000	3.2552	0.30664	0.07000	9	0.54	3%	0
013.00	Fat, Acid hydrolysis (%)	2023	3.5800	0.00000	3.2552	0.30664	0.07000	9	1.06	5%	0
013.00	Fat, Acid hydrolysis (%)	2094	3.7250	0.07000	3.2552	0.30664	0.07000	9	1.53	7%	0
013.00	Fat, Acid hydrolysis (%)	0309	3.2607	0.47630	3.2552	0.30664	0.07000	9	0.02	0%	1
013.02	Fat, Mojonnier, Bak Ext (%)	1005	2.8600	0.32000	3.4040	0.21006	0.14584	22	-2.59	8%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0810	3.0000	0.00000	3.4040	0.21006	0.14584	22	-1.92	6%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0792	3.1450	0.29000	3.4040	0.21006	0.14584	22	-1.23	4%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0789	3.2200	0.26000	3.4040	0.21006	0.14584	22	-0.88	3%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0553	3.2250	0.39000	3.4040	0.21006	0.14584	22	-0.85	3%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0208	3.2350	0.31000	3.4040	0.21006	0.14584	22	-0.80	2%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0957	3.3200	0.26000	3.4040	0.21006	0.14584	22	-0.40	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0958	3.3350	0.11000	3.4040	0.21006	0.14584	22	-0.33	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0794	3.3550	0.13000	3.4040	0.21006	0.14584	22	-0.23	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0650	3.3750	0.05000	3.4040	0.21006	0.14584	22	-0.14	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	1010	3.4050	0.03000	3.4040	0.21006	0.14584	22	0.00	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0959	3.4200	0.22000	3.4040	0.21006	0.14584	22	0.08	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0171	3.4300	0.02000	3.4040	0.21006	0.14584	22	0.12	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0870	3.4416	0.17780	3.4040	0.21006	0.14584	22	0.18	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0960	3.4450	0.01000	3.4040	0.21006	0.14584	22	0.20	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0164	3.4600	0.06000	3.4040	0.21006	0.14584	22	0.27	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0001	3.5013	0.03070	3.4040	0.21006	0.14584	22	0.46	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0842	3.6400	0.08000	3.4040	0.21006	0.14584	22	1.12	3%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0811	3.6500	0.30000	3.4040	0.21006	0.14584	22	1.17	4%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0840	3.6600	0.08000	3.4040	0.21006	0.14584	22	1.22	4%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0841	3.6950	0.01000	3.4040	0.21006	0.14584	22	1.39	4%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0808	3.7050	0.07000	3.4040	0.21006	0.14584	22	1.43	4%	0

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013.10	Fat, Soxtec-Acid Hydrolysis (%)	0660	3.4300	0.24000			0.24000	1			0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0171	23.050	0.30000			0.30000	1			0
019.31	Calcium, AAS, Dry ash (%)	0650	0.01000	0.00000			0.00050	2	-0.71	9%	0
019.31	Calcium, AAS, Dry ash (%)	0014	0.01450	0.00100			0.00050	2	0.71	9%	0
019.41	Calcium, ICP, Dry ash (%)	0164	0.00800	0.00000	0.01069	0.00249	0.00277	10	-1.08	13%	0
019.41	Calcium, ICP, Dry ash (%)	0098	0.00835	0.00010	0.01069	0.00249	0.00277	10	-0.94	11%	0
019.41	Calcium, ICP, Dry ash (%)	0051	0.00885	0.00010	0.01069	0.00249	0.00277	10	-0.74	9%	0
019.41	Calcium, ICP, Dry ash (%)	0553	0.00915	0.00050	0.01069	0.00249	0.00277	10	-0.62	7%	0
019.41	Calcium, ICP, Dry ash (%)	0511	0.01000	0.00000	0.01069	0.00249	0.00277	10	-0.28	3%	0
019.41	Calcium, ICP, Dry ash (%)	0171	0.01100	0.00000	0.01069	0.00249	0.00277	10	0.13	1%	0
019.41	Calcium, ICP, Dry ash (%)	0074	0.01150	0.00300	0.01069	0.00249	0.00277	10	0.33	4%	0
019.41	Calcium, ICP, Dry ash (%)	0208	0.01200	0.00400	0.01069	0.00249	0.00277	10	0.53	6%	0
019.41	Calcium, ICP, Dry ash (%)	2089	0.01500	0.01000	0.01069	0.00249	0.00277	10	1.73	20%	0
019.41	Calcium, ICP, Dry ash (%)	0003	0.04500	0.01000	0.01069	0.00249	0.00277	10	13.78	161%	0
019.42	Calcium, ICP, Open vessel (%)	0870	0.00145	0.00010	0.01315	0.01496	0.00023	4	-0.86	44%	0
019.42	Calcium, ICP, Open vessel (%)	0504	0.00800	0.00000	0.01315	0.01496	0.00023	4	-0.33	17%	0
019.42	Calcium, ICP, Open vessel (%)	0555	0.00910	0.00080	0.01315	0.01496	0.00023	4	-0.25	13%	0
019.42	Calcium, ICP, Open vessel (%)	0202	0.03000	0.00000	0.01315	0.01496	0.00023	4	1.44	74%	0
019.43	Calcium, ICP, Microwave (%)	2094	0.00845	0.00070	0.01312	0.00516	0.00170	6	-0.91	18%	0
019.43	Calcium, ICP, Microwave (%)	0964	0.00935	0.00250	0.01312	0.00516	0.00170	6	-0.73	14%	0
019.43	Calcium, ICP, Microwave (%)	0510	0.01000	0.00000	0.01312	0.00516	0.00170	6	-0.60	12%	0
019.43	Calcium, ICP, Microwave (%)	0098	0.01440	0.00100	0.01312	0.00516	0.00170	6	0.25	5%	0
019.43	Calcium, ICP, Microwave (%)	0017	0.01700	0.00600	0.01312	0.00516	0.00170	6	0.75	15%	0
019.43	Calcium, ICP, Microwave (%)	0508	0.15130	0.00000	0.01312	0.00516	0.00170	6	26.76	526%	0
019.44	Calcium, ICP, Dry ash (%)	2023	0.00695	0.00010	0.00843	0.00131	0.00010	4	-1.13	9%	0
019.44	Calcium, ICP, Dry ash (%)	2004	0.00790	0.00000	0.00843	0.00131	0.00010	4	-0.40	3%	0
019.44	Calcium, ICP, Dry ash (%)	0970	0.00885	0.00030	0.00843	0.00131	0.00010	4	0.33	3%	0
019.44	Calcium, ICP, Dry ash (%)	0969	0.01000	0.00000	0.00843	0.00131	0.00010	4	1.21	9%	0
019.52	Calcium, ICP-MS, Open vessel (%)	0047	0.02000	0.00000			0.00000	1			0
021.41	Cobalt, ICP, Dry ash (mg / kg (ppm))	0171	0.08500	0.01000			0.01000	1			0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0964	0.05775	0.01530			0.00765	2	-0.71	18%	0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0510	0.12000	0.00000			0.00765	2	0.71	18%	0
021.52	Cobalt, ICP-MS, Open vessel (mg / kg (ppm))	0555	0.00000	0.00000			0.00000	0			4
021.53	Cobalt, ICP-MS, Microwave (mg / kg (ppm))	0553	0.03295	0.01010			0.01010	1			0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0164	2.3500	0.30000	4.2070	1.5888	0.98600	5	-1.17	22%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0098	3.3400	0.24000	4.2070	1.5888	0.98600	5	-0.55	10%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0171	3.9000	0.00000	4.2070	1.5888	0.98600	5	-0.19	4%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0051	4.9450	1.3900	4.2070	1.5888	0.98600	5	0.46	9%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0003	6.5000	3.0000	4.2070	1.5888	0.98600	5	1.44	27%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0555	3.2500	0.30000	4.2035	1.1123	0.11867	3	-0.66	8%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0870	3.4170	0.03600	4.2035	1.1123	0.11867	3	-0.49	6%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0202	4.9900	0.02000	4.2035	1.1123	0.11867	3	1.15	14%	0

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022.43	Copper, ICP, Microwave (mg / kg (ppm))	0510	3.0000	0.00000	3.1883	0.17652	0.19000	3	-1.07	3%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0964	3.2150	0.35000	3.1883	0.17652	0.19000	3	0.15	0%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0098	3.3500	0.22000	3.1883	0.17652	0.19000	3	0.92	3%	0
022.44	Copper, ICP, Dry ash (mg / kg (ppm))	2004	3.1450	0.21000	3.2183	0.08737	0.11000	3	-0.84	1%	0
022.44	Copper, ICP, Dry ash (mg / kg (ppm))	0970	3.1950	0.11000	3.2183	0.08737	0.11000	3	-0.27	0%	0
022.44	Copper, ICP, Dry ash (mg / kg (ppm))	0969	3.3150	0.01000	3.2183	0.08737	0.11000	3	1.11	2%	0
022.52	Copper, ICP-MS, Open vessel (mg / kg (ppm))	0555	3.1000	1.0000			1.0000	1			0
022.53	Copper, ICP-MS, Microwave (mg / kg (ppm))	2023	3.1350	0.09000			0.09000	1			0
024.99	Iodine, Miscellaneous (mg / kg (ppm))	0969	0.00000	0.00000				0			4
024.99	Iodine, Miscellaneous (mg / kg (ppm))	0970	0.00000	0.00000				0			4
024.99	Iodine, Miscellaneous (mg / kg (ppm))	2004	0.00000	0.00000				0			4
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0208	12.000	2.0000			2.0000	1			0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0511	9.5000	3.0000	12.326	1.0360	1.0211	9	-2.73	11%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	2004	11.450	0.10000	12.326	1.0360	1.0211	9	-0.85	4%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0969	11.750	0.10000	12.326	1.0360	1.0211	9	-0.56	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0164	12.000	0.00000	12.326	1.0360	1.0211	9	-0.31	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0970	12.350	0.50000	12.326	1.0360	1.0211	9	0.02	0%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0051	12.500	1.0000	12.326	1.0360	1.0211	9	0.17	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0074	12.500	1.0000	12.326	1.0360	1.0211	9	0.17	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0171	14.400	0.80000	12.326	1.0360	1.0211	9	2.00	8%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0098	16.225	2.6900	12.326	1.0360	1.0211	9	3.76	16%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0003	24.500	9.0000	12.326	1.0360	1.0211	9	11.75	49%	1
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0555	12.000	2.0000			1.3500	2	-0.71	2%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0870	12.810	0.70000			1.3500	2	0.71	2%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0017	7.4900	9.6000	12.899	1.2450	2.4020	5	-1.63	18%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2023	11.350	0.70000	12.899	1.2450	2.4020	5	-0.18	2%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0964	12.850	1.6000	12.899	1.2450	2.4020	5	0.39	4%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0510	13.000	0.00000	12.899	1.2450	2.4020	5	0.45	5%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0098	14.395	0.11000	12.899	1.2450	2.4020	5	0.97	11%	0
025.52	Iron, ICP-MS, Open vessel (mg / kg (ppm))	0555	12.500	5.0000			3.3000	2	-0.71	5%	0
025.52	Iron, ICP-MS, Open vessel (mg / kg (ppm))	0047	15.400	1.6000			3.3000	2	0.71	5%	0
027.31	Magnesium, AAS, Dry ash (%)	0014	0.11200	0.00200	0.11275	0.00106	402.63	3	-0.58	50%	0
027.31	Magnesium, AAS, Dry ash (%)	0208	0.11350	0.00300	0.11275	0.00106	402.63	3	-0.58	50%	0
027.31	Magnesium, AAS, Dry ash (%)	0650	604.06	1,207.9	0.11275	0.00106	402.63	3	1.15	100%	0
027.41	Magnesium, ICP, Dry ash (%)	0171	0.10400	0.00000	0.11206	0.00674	0.00274	10	-1.20	4%	0
027.41	Magnesium, ICP, Dry ash (%)	0074	0.10550	0.00100	0.11206	0.00674	0.00274	10	-0.97	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0164	0.10600	0.00000	0.11206	0.00674	0.00274	10	-0.90	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0553	0.10900	0.00200	0.11206	0.00674	0.00274	10	-0.45	1%	0
027.41	Magnesium, ICP, Dry ash (%)	2089	0.11000	0.00000	0.11206	0.00674	0.00274	10	-0.31	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0003	0.11500	0.01000	0.11206	0.00674	0.00274	10	0.44	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0511	0.11500	0.01000	0.11206	0.00674	0.00274	10	0.44	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0051	0.11610	0.00040	0.11206	0.00674	0.00274	10	0.60	2%	0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
027.41	Magnesium, ICP, Dry ash (%)	0098	0.12000	0.00000	0.11206	0.00674	0.00274	10	1.18	4%	0
027.41	Magnesium, ICP, Dry ash (%)	0208	0.12000	0.00400	0.11206	0.00674	0.00274	10	1.18	4%	0
027.42	Magnesium, ICP, Open vessel (%)	0870	0.11305	0.00130	0.11653	0.00491	0.00513	3	-0.74	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0555	0.11435	0.01410	0.11653	0.00491	0.00513	3	-0.39	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0202	0.12000	0.00000	0.11653	0.00491	0.00513	3	1.14	2%	0
027.43	Magnesium, ICP, Microwave (%)	0510	0.11000	0.00000	0.11650	0.00654	0.00337	7	-0.99	3%	0
027.43	Magnesium, ICP, Microwave (%)	0964	0.11150	0.01140	0.11650	0.00654	0.00337	7	-0.77	2%	0
027.43	Magnesium, ICP, Microwave (%)	0034	0.11290	0.00160	0.11650	0.00654	0.00337	7	-0.55	2%	0
027.43	Magnesium, ICP, Microwave (%)	0017	0.11500	0.01000	0.11650	0.00654	0.00337	7	-0.23	1%	0
027.43	Magnesium, ICP, Microwave (%)	0033	0.12000	0.00000	0.11650	0.00654	0.00337	7	0.53	2%	0
027.43	Magnesium, ICP, Microwave (%)	0098	0.12000	0.00000	0.11650	0.00654	0.00337	7	0.53	2%	0
027.43	Magnesium, ICP, Microwave (%)	0508	0.13330	0.00060	0.11650	0.00654	0.00337	7	2.57	7%	0
027.44	Magnesium, ICP, Dry ash (%)	2004	0.09955	0.00050	0.10568	0.00546	0.00163	4	-1.26	4%	0
027.44	Magnesium, ICP, Dry ash (%)	2023	0.10750	0.00100	0.10568	0.00546	0.00163	4	-0.13	0%	0
027.44	Magnesium, ICP, Dry ash (%)	0969	0.11000	0.00000	0.10568	0.00546	0.00163	4	0.23	1%	0
027.44	Magnesium, ICP, Dry ash (%)	0970	0.11650	0.00500	0.10568	0.00546	0.00163	4	1.16	4%	0
027.52	Magnesium, ICP-MS, Open vessel (%)	0047	0.11000	0.00000			0.00000	1			0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0208	33.150	7.9000			7.9000	1			0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0511	30.000	2.0000	33.018	1.0415	0.73700	10	-2.90	5%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0074	31.500	1.0000	33.018	1.0415	0.73700	10	-1.46	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	2089	32.570	0.08000	33.018	1.0415	0.73700	10	-0.43	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0051	32.810	0.20000	33.018	1.0415	0.73700	10	-0.20	0%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0164	33.000	0.00000	33.018	1.0415	0.73700	10	-0.02	0%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0553	33.000	1.0000	33.018	1.0415	0.73700	10	-0.02	0%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0208	33.435	1.9700	33.018	1.0415	0.73700	10	0.40	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0171	33.800	0.20000	33.018	1.0415	0.73700	10	0.75	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0098	33.940	0.92000	33.018	1.0415	0.73700	10	0.89	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0003	37.000	0.00000	33.018	1.0415	0.73700	10	3.82	6%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0870	30.350	1.1600	31.947	1.4061	2.0333	3	-1.14	2%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0202	32.490	0.94000	31.947	1.4061	2.0333	3	0.39	1%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0555	33.000	4.0000	31.947	1.4061	2.0333	3	0.75	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0033	29.550	1.5000	32.487	2.9406	1.3523	6	-1.00	5%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0510	30.500	1.0000	32.487	2.9406	1.3523	6	-0.68	3%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0017	31.050	1.9000	32.487	2.9406	1.3523	6	-0.49	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0964	33.083	2.5750	32.487	2.9406	1.3523	6	0.20	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0098	34.370	0.02000	32.487	2.9406	1.3523	6	0.64	3%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0508	52.612	1.1190	32.487	2.9406	1.3523	6	6.84	31%	0
028.44	Manganese, ICP, Dry ash (mg / kg (ppm))	2023	30.650	0.50000	33.250	1.9837	0.85000	4	-1.31	4%	0
028.44	Manganese, ICP, Dry ash (mg / kg (ppm))	2004	33.200	1.0000	33.250	1.9837	0.85000	4	-0.03	0%	0
028.44	Manganese, ICP, Dry ash (mg / kg (ppm))	0969	33.700	0.40000	33.250	1.9837	0.85000	4	0.23	1%	0
028.44	Manganese, ICP, Dry ash (mg / kg (ppm))	0970	35.450	1.5000	33.250	1.9837	0.85000	4	1.11	3%	0
028.52	Manganese, ICP-MS, Open vessel (mg / kg (ppm))	0555	29.500	5.0000			3.4500	2	-0.71	1%	0

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028.52	Manganese, ICP-MS, Open vessel (mg / kg (ppm))	0047	30.650	1.9000			3.4500	2	0.71	1%	0
031.01	Phosphorus, Photometric (%)	0208	0.30750	0.03900	0.32583	0.01588	0.02633	3	-1.15	3%	0
031.01	Phosphorus, Photometric (%)	0650	0.33500	0.03000	0.32583	0.01588	0.02633	3	0.58	1%	0
031.01	Phosphorus, Photometric (%)	0511	0.33500	0.01000	0.32583	0.01588	0.02633	3	0.58	1%	0
031.03	Phosphorus, Autoanalyzer (%)	0047	0.31000	0.00000			0.00000	2	-0.71	2%	0
031.03	Phosphorus, Autoanalyzer (%)	0504	0.33000	0.00000			0.00000	2	0.71	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0051	0.31315	0.00090	0.32284	0.00792	0.00550	9	-1.22	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0553	0.31600	0.01000	0.32284	0.00792	0.00550	9	-0.86	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0074	0.31800	0.00400	0.32284	0.00792	0.00550	9	-0.61	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0164	0.32000	0.00000	0.32284	0.00792	0.00550	9	-0.36	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0171	0.32000	0.00000	0.32284	0.00792	0.00550	9	-0.36	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	2089	0.32500	0.01000	0.32284	0.00792	0.00550	9	0.27	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0098	0.33820	0.02160	0.32284	0.00792	0.00550	9	1.94	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0208	0.35350	0.00300	0.32284	0.00792	0.00550	9	3.87	5%	0
031.41	Phosphorus, ICP, Dry ash (%)	0003	0.37000	0.00000	0.32284	0.00792	0.00550	9	5.95	7%	0
031.42	Phosphorus, ICP, Open vessel (%)	0504	0.31250	0.01700	0.32767	0.01690	0.01338	5	-0.90	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0870	0.31615	0.01090	0.32767	0.01690	0.01338	5	-0.68	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0555	0.31820	0.03800	0.32767	0.01690	0.01338	5	-0.56	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0014	0.34150	0.00100	0.32767	0.01690	0.01338	5	0.82	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0202	0.35000	0.00000	0.32767	0.01690	0.01338	5	1.32	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0964	0.32400	0.02640	0.34117	0.01292	0.00775	8	-1.33	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0510	0.32500	0.01000	0.34117	0.01292	0.00775	8	-1.25	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0034	0.33650	0.00200	0.34117	0.01292	0.00775	8	-0.36	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0017	0.34000	0.00000	0.34117	0.01292	0.00775	8	-0.09	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0033	0.34500	0.01000	0.34117	0.01292	0.00775	8	0.30	1%	0
031.43	Phosphorus, ICP, Microwave (%)	2094	0.34550	0.00700	0.34117	0.01292	0.00775	8	0.34	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0098	0.35110	0.00480	0.34117	0.01292	0.00775	8	0.77	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0508	0.36730	0.00180	0.34117	0.01292	0.00775	8	2.02	4%	0
031.44	Phosphorus, ICP, Dry ash (%)	2023	0.27650	0.00700	0.31125	0.02381	0.00850	4	-1.46	6%	0
031.44	Phosphorus, ICP, Dry ash (%)	2004	0.31800	0.01200	0.31125	0.02381	0.00850	4	0.28	1%	0
031.44	Phosphorus, ICP, Dry ash (%)	0969	0.32000	0.00000	0.31125	0.02381	0.00850	4	0.37	1%	0
031.44	Phosphorus, ICP, Dry ash (%)	0970	0.33050	0.01500	0.31125	0.02381	0.00850	4	0.81	3%	0
032.02	Potassium, Flame Emission (%)	0504	0.23500	0.01000			0.01000	1			0
032.31	Potassium, AAS, Dry ash (%)	0014	0.23950	0.00700			0.00700	1			0
032.41	Potassium, ICP, Dry ash (%)	0164	0.22500	0.01000	0.25264	0.01633	0.01622	9	-1.69	5%	0
032.41	Potassium, ICP, Dry ash (%)	0511	0.24000	0.04000	0.25264	0.01633	0.01622	9	-0.77	3%	0
032.41	Potassium, ICP, Dry ash (%)	0553	0.24500	0.00200	0.25264	0.01633	0.01622	9	-0.47	2%	0
032.41	Potassium, ICP, Dry ash (%)	0051	0.24680	0.00000	0.25264	0.01633	0.01622	9	-0.36	1%	0
032.41	Potassium, ICP, Dry ash (%)	0171	0.25050	0.00100	0.25264	0.01633	0.01622	9	-0.13	0%	0
032.41	Potassium, ICP, Dry ash (%)	0208	0.25950	0.04300	0.25264	0.01633	0.01622	9	0.42	1%	0
032.41	Potassium, ICP, Dry ash (%)	0003	0.26500	0.01000	0.25264	0.01633	0.01622	9	0.76	2%	0
032.41	Potassium, ICP, Dry ash (%)	0098	0.26500	0.01000	0.25264	0.01633	0.01622	9	0.76	2%	0

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032.41	Potassium, ICP, Dry ash (%)	2089	0.27500	0.03000	0.25264	0.01633	0.01622	9	1.37	4%	0
032.42	Potassium, ICP, Open vessel (%)	0202	0.23000	0.00000	0.24235	0.01432	636.95	4	-0.50	50%	0
032.42	Potassium, ICP, Open vessel (%)	0504	0.23900	0.00800	0.24235	0.01432	636.95	4	-0.50	50%	0
032.42	Potassium, ICP, Open vessel (%)	0870	0.25805	0.01050	0.24235	0.01432	636.95	4	-0.50	50%	0
032.42	Potassium, ICP, Open vessel (%)	0555	1,274.1	2,547.8	0.24235	0.01432	636.95	4	1.50	150%	0
032.43	Potassium, ICP, Microwave (%)	0510	0.24000	0.02000	0.25906	0.02019	0.01664	5	-0.94	4%	0
032.43	Potassium, ICP, Microwave (%)	0964	0.24775	0.03190	0.25906	0.02019	0.01664	5	-0.56	2%	0
032.43	Potassium, ICP, Microwave (%)	0033	0.25500	0.01000	0.25906	0.02019	0.01664	5	-0.20	1%	0
032.43	Potassium, ICP, Microwave (%)	0098	0.26000	0.02000	0.25906	0.02019	0.01664	5	0.05	0%	0
032.43	Potassium, ICP, Microwave (%)	0508	0.29255	0.00130	0.25906	0.02019	0.01664	5	1.66	6%	0
032.44	Potassium, ICP, Dry ash (%)	2004	0.22050	0.00300	0.23813	0.01613	0.00475	4	-1.09	4%	0
032.44	Potassium, ICP, Dry ash (%)	2023	0.22850	0.00500	0.23813	0.01613	0.00475	4	-0.60	2%	0
032.44	Potassium, ICP, Dry ash (%)	0969	0.25000	0.00000	0.23813	0.01613	0.00475	4	0.74	2%	0
032.44	Potassium, ICP, Dry ash (%)	0970	0.25350	0.01100	0.23813	0.01613	0.00475	4	0.95	3%	0
033.00	Salt as chloride, Sol Cl (%)	0309	0.00200	0.00000				1			0
033.00	Salt as chloride, Sol Cl (%)	0504	0.00000	0.00000				1			4
033.01	Salt as chloride, Poten Cl (%)	0098	0.06000	0.00000	0.06000	0.00000	0.00667	3	-0.58	11%	0
033.01	Salt as chloride, Poten Cl (%)	0650	0.06000	0.00000	0.06000	0.00000	0.00667	3	-0.58	11%	0
033.01	Salt as chloride, Poten Cl (%)	0510	0.11000	0.02000	0.06000	0.00000	0.00667	3	1.15	22%	0
033.01	Salt as chloride, Poten Cl (%)	2023	0.02500	0.05000	0.06000	0.00000	0.00667	3	-1.79	34%	4
033.05	Salt as chloride, Ion Sel Electrode (%)	0171	0.03850	0.00500			0.00500	1			0
034.01	Selenium, Fluor (mg / kg (ppm))	0098	0.15650	0.00100			0.00100	1			0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0171	0.11500	0.01000			0.01000	2	-0.71	7%	0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0164	0.15500	0.01000			0.01000	2	0.71	7%	0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	0964	0.31840	0.00760			0.00760	1			0
034.52	Selenium, ICP-MS, Open vessel (mg / kg (ppm))	0555	0.14500	0.03000			0.03000	1			0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0553	0.13700	0.03600				1			0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	2023	0.00000	0.00000				1			4
034.99	Selenium, Miscellaneous (mg / kg (ppm))	0969	0.14000	0.02000	0.14567	0.00666	0.00800	3	-0.85	2%	0
034.99	Selenium, Miscellaneous (mg / kg (ppm))	2004	0.14400	0.00400	0.14567	0.00666	0.00800	3	-0.25	1%	0
034.99	Selenium, Miscellaneous (mg / kg (ppm))	0970	0.15300	0.00000	0.14567	0.00666	0.00800	3	1.10	3%	0
035.05	Sodium, Flame Emission (%)	0504	0.00150	0.00100			0.00100	1			0
035.31	Sodium, AAS, Dry ash (%)	0650	0.01000	0.00000			0.00000	1			0
035.41	Sodium, ICP, Dry ash (%)	0970	0.00120	0.00000	0.00532	0.00445	0.00090	8	-0.93	39%	0
035.41	Sodium, ICP, Dry ash (%)	0051	0.00175	0.00010	0.00532	0.00445	0.00090	8	-0.80	34%	0
035.41	Sodium, ICP, Dry ash (%)	0164	0.00200	0.00000	0.00532	0.00445	0.00090	8	-0.75	31%	0
035.41	Sodium, ICP, Dry ash (%)	0171	0.00425	0.00010	0.00532	0.00445	0.00090	8	-0.24	10%	0
035.41	Sodium, ICP, Dry ash (%)	0098	0.00550	0.00000	0.00532	0.00445	0.00090	8	0.04	2%	0
035.41	Sodium, ICP, Dry ash (%)	0553	0.00580	0.00200	0.00532	0.00445	0.00090	8	0.11	5%	0
035.41	Sodium, ICP, Dry ash (%)	2023	0.01050	0.00300	0.00532	0.00445	0.00090	8	1.16	49%	0
035.41	Sodium, ICP, Dry ash (%)	0208	0.01300	0.00200	0.00532	0.00445	0.00090	8	1.73	72%	0
035.41	Sodium, ICP, Dry ash (%)	0969	0.00000	0.00000	0.00532	0.00445	0.00090	8	-1.20	50%	4

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			
035.41	Sodium, ICP, Dry ash (%)	2004	0.00000	0.00000	0.00532	0.00445	0.00090	8	-1.20	50%	4
035.41	Sodium, ICP, Dry ash (%)	2089	0.00000	0.00000	0.00532	0.00445	0.00090	8	-1.20	50%	4
035.42	Sodium, ICP, Open vessel (%)	0504	0.00100	0.00000	0.00474	0.00382	0.00018	4	-0.98	39%	0
035.42	Sodium, ICP, Open vessel (%)	0555	0.00325	0.00050	0.00474	0.00382	0.00018	4	-0.39	16%	0
035.42	Sodium, ICP, Open vessel (%)	0870	0.00470	0.00020	0.00474	0.00382	0.00018	4	-0.01	0%	0
035.42	Sodium, ICP, Open vessel (%)	0202	0.01000	0.00000	0.00474	0.00382	0.00018	4	1.38	56%	0
035.43	Sodium, ICP, Microwave (%)	0964	0.00100	0.00040	0.00197	0.00086	0.00310	4	-0.64	41%	0
035.43	Sodium, ICP, Microwave (%)	0508	0.00225	0.00070	0.00197	0.00086	0.00310	4	-0.46	29%	0
035.43	Sodium, ICP, Microwave (%)	0098	0.00265	0.00030	0.00197	0.00086	0.00310	4	-0.40	25%	0
035.43	Sodium, ICP, Microwave (%)	0017	0.01550	0.01100	0.00197	0.00086	0.00310	4	1.49	95%	0
036.04	Sulfur, LECO (%)	0098	0.11050	0.00100			0.00100	1			0
036.42	Sulfur, ICP, Open vessel (%)	0555	0.09285	0.00750	0.09772	0.00314	0.00236	5	-1.55	2%	0
036.42	Sulfur, ICP, Open vessel (%)	0870	0.09625	0.00330	0.09772	0.00314	0.00236	5	-0.47	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0171	0.09950	0.00100	0.09772	0.00314	0.00236	5	0.57	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0164	0.10000	0.00000	0.09772	0.00314	0.00236	5	0.73	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0202	0.10000	0.00000	0.09772	0.00314	0.00236	5	0.73	1%	0
036.43	Sulfur, ICP, Microwave (%)	0510	0.10000	0.00000	0.10693	0.00764	0.00290	4	-0.91	3%	0
036.43	Sulfur, ICP, Microwave (%)	0964	0.10345	0.00530	0.10693	0.00764	0.00290	4	-0.45	2%	0
036.43	Sulfur, ICP, Microwave (%)	0098	0.10660	0.00440	0.10693	0.00764	0.00290	4	-0.04	0%	0
036.43	Sulfur, ICP, Microwave (%)	0508	0.11765	0.00190	0.10693	0.00764	0.00290	4	1.40	5%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0208	22.950	2.3000			2.3000	1			0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0511	21.500	3.0000	24.173	2.3469	0.74333	9	-1.14	6%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0074	22.000	0.00000	24.173	2.3469	0.74333	9	-0.93	4%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	2089	22.625	0.39000	24.173	2.3469	0.74333	9	-0.66	3%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0553	23.300	0.00000	24.173	2.3469	0.74333	9	-0.37	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0164	23.500	1.0000	24.173	2.3469	0.74333	9	-0.29	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0051	25.080	0.36000	24.173	2.3469	0.74333	9	0.39	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0098	25.520	0.94000	24.173	2.3469	0.74333	9	0.57	3%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0171	29.700	1.0000	24.173	2.3469	0.74333	9	2.36	11%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0003	31.000	0.00000	24.173	2.3469	0.74333	9	2.91	14%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0208	32.080	14.860	24.173	2.3469	0.74333	9	3.37	16%	1
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0870	21.425	1.4500	22.485	0.91811	1.8233	3	-1.15	2%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0555	23.000	4.0000	22.485	0.91811	1.8233	3	0.56	1%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0202	23.030	0.02000	22.485	0.91811	1.8233	3	0.59	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2023	21.950	0.50000	23.136	1.6537	0.96000	5	-0.72	3%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0510	22.500	1.0000	23.136	1.6537	0.96000	5	-0.38	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0964	22.535	1.3300	23.136	1.6537	0.96000	5	-0.36	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0017	22.640	1.2800	23.136	1.6537	0.96000	5	-0.30	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0098	26.055	0.69000	23.136	1.6537	0.96000	5	1.77	6%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0508	58.502	12.502	23.136	1.6537	0.96000	5	21.39	76%	1
037.44	Zinc, ICP, Dry ash (mg / kg (ppm))	2004	21.300	1.4000	23.250	1.8007	0.90000	3	-1.08	4%	0
037.44	Zinc, ICP, Dry ash (mg / kg (ppm))	0969	23.600	0.20000	23.250	1.8007	0.90000	3	0.19	1%	0

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037.44	Zinc, ICP, Dry ash (mg / kg (ppm))	0970	24.850	1.1000	23.250	1.8007	0.90000	3	0.89	3%	0
037.52	Zinc, ICP-MS, Open vessel (mg / kg (ppm))	0555	21.000	6.0000			3.8000	2	-0.71	2%	0
037.52	Zinc, ICP-MS, Open vessel (mg / kg (ppm))	0047	23.100	1.6000			3.8000	2	0.71	2%	0
038.41	Molybdenum, ICP, Dry ash (mg / kg (ppm))	0171	0.80000	0.00000			0.00000	1			0
038.42	Molybdenum, ICP, Open vessel (mg / kg (ppm))	0555	0.81500	0.05000			0.05000	1			0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0510	0.80000	0.00000	0.81878	0.02655	0.12583	3	-0.58	45%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0964	0.83755	0.10050	0.81878	0.02655	0.12583	3	-0.58	45%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0508	24.939	0.27700	0.81878	0.02655	0.12583	3	1.15	91%	0
038.52	Molybdenum, ICP-MS, Open vessel (mg / kg (ppm))	0555	0.91500	0.07000			0.07000	1			0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	0553	0.71400	0.21200			0.12100	2	-0.71	4%	0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	2023	0.84500	0.03000			0.12100	2	0.71	4%	0
040.52	Barium, ICP-MS, Open vessel (mg / kg (ppm))	0555	0.36000	0.20000			0.20000	1			0
041.52	Vanadium, ICP-MS, Open vessel (mg / kg (ppm))	0555	0.25000	0.10000			0.10000	1			0
042.00	Chloride, Titrimetric (%)	0969	0.02000	0.00000			0.00060	2	-0.71	10%	0
042.00	Chloride, Titrimetric (%)	2004	0.02950	0.00120			0.00060	2	0.71	10%	0
042.99	Chloride, Miscellaneous (%)	0970	0.02300	0.00000			0.00000	1			0
101.01	Choline Chloride, Chem (mg / kg (ppm))	0969	970.50	13.000			24.500	2	-0.71	1%	0
101.01	Choline Chloride, Chem (mg / kg (ppm))	2004	1,002.0	36.000			24.500	2	0.71	1%	0
102.01	Niacin, Microbiological (mg / kg (ppm))	0969	66.400	0.40000	67.183	0.68981	1.3000	3	-1.14	1%	0
102.01	Niacin, Microbiological (mg / kg (ppm))	2004	67.450	1.3000	67.183	0.68981	1.3000	3	0.39	0%	0
102.01	Niacin, Microbiological (mg / kg (ppm))	0208	67.700	2.2000	67.183	0.68981	1.3000	3	0.75	0%	0
103.02	Pantothenic Acid, LC (mg / kg (ppm))	2004	7.9000	0.20000			0.10000	2	-0.71	18%	0
103.02	Pantothenic Acid, LC (mg / kg (ppm))	0969	16.700	0.00000			0.10000	2	0.71	18%	0
104.02	Riboflavin, Microbiological, Turbidity (mg / kg (ppm))	0969	1.2000	0.00000			0.05000	2	-0.71	1%	0
104.02	Riboflavin, Microbiological, Turbidity (mg / kg (ppm))	2004	1.2500	0.10000			0.05000	2	0.71	1%	0
104.03	Riboflavin, LC (mg / kg (ppm))	2023	1.4500	0.30000			0.30000	1			0
105.00	Thiamine, LC (mg / kg (ppm))	0208	3.4110	0.12600			0.06300	2	-0.71	8%	0
105.00	Thiamine, LC (mg / kg (ppm))	2023	4.7000	0.00000			0.06300	2	0.71	8%	0
105.99	Thiamine, Miscellaneous (mg / kg (ppm))	2004	3.7000	0.00000			0.05000	2	-0.71	0%	0
105.99	Thiamine, Miscellaneous (mg / kg (ppm))	0969	3.7500	0.10000			0.05000	2	0.71	0%	0
106.02	Vitamin A, LC (KU / kg)	0969	0.00000	0.00000				0			4
106.02	Vitamin A, LC (KU / kg)	0970	0.00000	0.00000				0			4
106.02	Vitamin A, LC (KU / kg)	2004	0.00000	0.00000				0			4
106.02	Vitamin A, LC (KU / kg)	2023	0.00000	0.00000				0			4
107.00	Vitamin B12, Microbiological (µg / kg (ppb))	0969	0.00000	0.00000				0			4
107.00	Vitamin B12, Microbiological (µg / kg (ppb))	2004	0.00000	0.00000				0			4
108.01	Vitamin D3, LC, AOAC (KU / kg)	2023	0.00000	0.00000			0.00000	0			4
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))	2004	7.2800	0.00000	7.9333	0.64758	0.47000	4	-0.53	32%	0
109.02	Vitamin E, LC (mg / kg (ppm))	0970	7.9450	0.15000	7.9333	0.64758	0.47000	4	-0.50	30%	0

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109.02	Vitamin E, LC (mg / kg (ppm))	0969	8.5750	0.33000	7.9333	0.64758	0.47000	4	-0.47	29%	0
109.02	Vitamin E, LC (mg / kg (ppm))	2023	56.500	1.4000	7.9333	0.64758	0.47000	4	1.50	91%	0
112.00	Pyridoxine, Vitamin B6 (µg / g)	2004	1.7300	0.02000			25.010	2	-0.71	50%	0
112.00	Pyridoxine, Vitamin B6 (µg / g)	0969	1,585.0	50.000			25.010	2	0.71	50%	0
113.01	Folic Acid, Micro (mg / kg (ppm))	0969	0.20000	0.04000			0.03350	2	-0.71	4%	0
113.01	Folic Acid, Micro (mg / kg (ppm))	2004	0.23950	0.02700			0.03350	2	0.71	4%	0
114.01	Biotin, Microbiological (mg / kg (ppm))	2004	0.04100	0.00400			0.00700	2	-0.71	7%	0
114.01	Biotin, Microbiological (mg / kg (ppm))	0969	0.05500	0.01000			0.00700	2	0.71	7%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0171	0.41000	0.02000	0.43806	0.01969	0.01033	4	-1.43	3%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0227	0.44000	0.00000	0.43806	0.01969	0.01033	4	0.10	0%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0870	0.44725	0.01130	0.43806	0.01969	0.01033	4	0.47	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0504	0.45500	0.01000	0.43806	0.01969	0.01033	4	0.86	2%	0
120.01	Alanine, Pre-col OPA Der (%)	2004	0.45550	0.00300	0.46150	0.00757	0.00367	3	-0.79	1%	0
120.01	Alanine, Pre-col OPA Der (%)	0970	0.45900	0.00800	0.46150	0.00757	0.00367	3	-0.33	0%	0
120.01	Alanine, Pre-col OPA Der (%)	0969	0.47000	0.00000	0.46150	0.00757	0.00367	3	1.12	1%	0
120.02	Alanine, Post-col OPA Der (%)	2023	0.44000	0.00000			0.00000	1			0
121.00	Arginine, Post-col Ninhydrin Der (%)	0870	0.57670	0.01380	0.64434	0.06715	0.04076	5	-1.01	5%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0504	0.60000	0.06000	0.64434	0.06715	0.04076	5	-0.66	3%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0227	0.63500	0.01000	0.64434	0.06715	0.04076	5	-0.14	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0171	0.66000	0.02000	0.64434	0.06715	0.04076	5	0.23	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0160	0.75000	0.10000	0.64434	0.06715	0.04076	5	1.57	8%	0
121.01	Arginine, Pre-col OPA Der (%)	2004	0.69300	0.00200	0.71617	0.02019	0.00300	3	-1.15	2%	0
121.01	Arginine, Pre-col OPA Der (%)	0970	0.72550	0.00700	0.71617	0.02019	0.00300	3	0.46	1%	0
121.01	Arginine, Pre-col OPA Der (%)	0969	0.73000	0.00000	0.71617	0.02019	0.00300	3	0.69	1%	0
121.02	Arginine, Post-col OPA Der (%)	2023	0.64000	0.00000			0.00000	1			0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0504	0.68000	0.02000	0.73400	0.07241	0.01756	5	-0.75	4%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0870	0.68500	0.01780	0.73400	0.07241	0.01756	5	-0.68	3%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0227	0.69500	0.01000	0.73400	0.07241	0.01756	5	-0.54	3%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0160	0.76000	0.02000	0.73400	0.07241	0.01756	5	0.36	2%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0171	0.85000	0.02000	0.73400	0.07241	0.01756	5	1.60	8%	0
122.01	Aspartic, Pre-col OPA Der (%)	0970	0.69300	0.00800	0.70533	0.01365	0.01133	3	-0.90	1%	0
122.01	Aspartic, Pre-col OPA Der (%)	2004	0.70300	0.00600	0.70533	0.01365	0.01133	3	-0.17	0%	0
122.01	Aspartic, Pre-col OPA Der (%)	0969	0.72000	0.02000	0.70533	0.01365	0.01133	3	1.07	1%	0
122.02	Aspartic, Post-col OPA Der (%)	2023	0.68500	0.01000			0.01000	1			0
124.00	Cysteine/Cystine, PAO Post-col Ninhydry (%)	0504	0.16000	0.02000	0.17420	0.01277	0.01456	5	-1.11	4%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydry (%)	0870	0.16600	0.00280	0.17420	0.01277	0.01456	5	-0.64	2%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydry (%)	0227	0.17000	0.00000	0.17420	0.01277	0.01456	5	-0.33	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydry (%)	0171	0.18500	0.01000	0.17420	0.01277	0.01456	5	0.85	3%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydry (%)	0160	0.19000	0.04000	0.17420	0.01277	0.01456	5	1.24	5%	0
124.01	Cysteine/Cystine, PAO Pre-col OPA Der (%)	2004	0.17250	0.00700	0.17917	0.00629	0.00900	3	-1.06	2%	0
124.01	Cysteine/Cystine, PAO Pre-col OPA Der (%)	0970	0.18000	0.01000	0.17917	0.00629	0.00900	3	0.13	0%	0
124.01	Cysteine/Cystine, PAO Pre-col OPA Der (%)	0969	0.18500	0.01000	0.17917	0.00629	0.00900	3	0.93	2%	0

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124.02	Cysteine/Cystine, PAO Post-col OPA Der (%)	2023	0.20000	0.02000			0.02000	1			0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0227	1.2850	0.01000	1.3407	0.08138	0.02330	4	-0.68	2%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0870	1.2929	0.03320	1.3407	0.08138	0.02330	4	-0.59	2%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0504	1.3250	0.01000	1.3407	0.08138	0.02330	4	-0.19	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0171	1.4600	0.04000	1.3407	0.08138	0.02330	4	1.47	4%	0
125.01	Glutamic, Pre-col OPA Der (%)	0970	1.3000	0.00000	1.3100	0.01414	0.00333	3	-0.85	1%	0
125.01	Glutamic, Pre-col OPA Der (%)	2004	1.3200	0.00000	1.3100	0.01414	0.00333	3	-0.25	0%	0
125.01	Glutamic, Pre-col OPA Der (%)	0969	1.3650	0.01000	1.3100	0.01414	0.00333	3	1.10	1%	0
125.02	Glutamic, Post-col OPA Der (%)	2023	1.2900	0.02000			0.02000	1			0
126.00	Glycine, Post-col Ninhydrin Der (%)	0870	0.36965	0.00930	0.37488	0.00876	0.02733	4	-0.64	3%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0227	0.37000	0.00000	0.37488	0.00876	0.02733	4	-0.63	3%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0504	0.38500	0.01000	0.37488	0.00876	0.02733	4	-0.21	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0171	0.44500	0.09000	0.37488	0.00876	0.02733	4	1.47	7%	0
126.01	Glycine, Pre-col OPA Der (%)	0969	0.35500	0.01000	0.36617	0.01077	0.00633	3	-1.04	2%	0
126.01	Glycine, Pre-col OPA Der (%)	0970	0.36700	0.00600	0.36617	0.01077	0.00633	3	0.08	0%	0
126.01	Glycine, Pre-col OPA Der (%)	2004	0.37650	0.00300	0.36617	0.01077	0.00633	3	0.96	1%	0
126.02	Glycine, Post-col OPA Der (%)	2023	0.35500	0.01000			0.01000	1			0
127.00	Histidine, Post-col Ninhydrin Der (%)	0870	0.18480	0.00380	0.19745	0.01265	0.00845	4	-1.00	3%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0227	0.19500	0.01000	0.19745	0.01265	0.00845	4	-0.19	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0504	0.19500	0.01000	0.19745	0.01265	0.00845	4	-0.19	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0171	0.21500	0.01000	0.19745	0.01265	0.00845	4	1.39	4%	0
127.01	Histidine, Pre-col OPA Der (%)	2004	0.18800	0.00000	0.18900	0.00141	0.00100	3	-0.64	2%	0
127.01	Histidine, Pre-col OPA Der (%)	0969	0.19000	0.00000	0.18900	0.00141	0.00100	3	-0.51	2%	0
127.01	Histidine, Pre-col OPA Der (%)	0970	0.21450	0.00300	0.18900	0.00141	0.00100	3	1.15	4%	0
127.02	Histidine, Post-col OPA Der (%)	2023	0.21000	0.00000			0.00000	1			0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0870	0.26970	0.00480	0.30594	0.02367	0.00896	5	-1.53	6%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0227	0.30500	0.01000	0.30594	0.02367	0.00896	5	-0.04	0%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0504	0.30500	0.01000	0.30594	0.02367	0.00896	5	-0.04	0%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0160	0.31500	0.01000	0.30594	0.02367	0.00896	5	0.38	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0171	0.33500	0.01000	0.30594	0.02367	0.00896	5	1.23	5%	0
128.01	Isoleucine, Pre-col OPA Der (%)	2004	0.31400	0.01400	0.32150	0.01172	0.00833	3	-0.64	1%	0
128.01	Isoleucine, Pre-col OPA Der (%)	0970	0.31550	0.00100	0.32150	0.01172	0.00833	3	-0.51	1%	0
128.01	Isoleucine, Pre-col OPA Der (%)	0969	0.33500	0.01000	0.32150	0.01172	0.00833	3	1.15	2%	0
128.02	Isoleucine, Post-col OPA Der (%)	2023	0.28000	0.00000			0.00000	1			0
129.00	Leucine, Post-col Ninhydrin Der (%)	0870	0.56385	0.01550	0.61971	0.04959	0.01638	4	-1.13	5%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0227	0.60000	0.02000	0.61971	0.04959	0.01638	4	-0.40	2%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0504	0.63500	0.01000	0.61971	0.04959	0.01638	4	0.31	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0171	0.68000	0.02000	0.61971	0.04959	0.01638	4	1.22	5%	0
129.01	Leucine, Pre-col OPA Der (%)	0970	0.62350	0.00300	0.63500	0.01359	0.00133	3	-0.85	1%	0
129.01	Leucine, Pre-col OPA Der (%)	2004	0.63150	0.00100	0.63500	0.01359	0.00133	3	-0.26	0%	0
129.01	Leucine, Pre-col OPA Der (%)	0969	0.65000	0.00000	0.63500	0.01359	0.00133	3	1.10	1%	0
129.02	Leucine, Post-col OPA Der (%)	2023	0.59500	0.01000			0.01000	1			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0870	0.29270	0.00840	0.32943	0.02778	0.01960	4	-1.32	6%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0171	0.33000	0.02000	0.32943	0.02778	0.01960	4	0.02	0%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0227	0.33500	0.05000	0.32943	0.02778	0.01960	4	0.20	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0504	0.36000	0.00000	0.32943	0.02778	0.01960	4	1.10	5%	0
130.01	L-Lysine, Pre-col OPA Der (%)	0969	0.26500	0.01000	0.30150	0.04206	0.00500	3	-0.87	6%	0
130.01	L-Lysine, Pre-col OPA Der (%)	2004	0.29200	0.00200	0.30150	0.04206	0.00500	3	-0.23	2%	0
130.01	L-Lysine, Pre-col OPA Der (%)	0970	0.34750	0.00300	0.30150	0.04206	0.00500	3	1.09	8%	0
130.02	L-Lysine, Post-col OPA Der (%)	2023	0.31500	0.01000			0.01000	1			0
130.05	L-Lysine, Pre-col AQC Der (%)	0027	0.31700	0.01200			0.01200	1			0
130.99	L-Lysine, Miscellaneous (%)	0208	0.30000	0.00000			0.00000	1			0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0160	0.19000	0.02000	0.19654	0.00472	0.01013	4	-1.38	2%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0870	0.19615	0.00050	0.19654	0.00472	0.01013	4	-0.08	0%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0171	0.20000	0.02000	0.19654	0.00472	0.01013	4	0.73	1%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0504	0.20000	0.00000	0.19654	0.00472	0.01013	4	0.73	1%	0
131.01	Methionine, PAO Pre-col OPA Der (%)	0970	0.19250	0.00300	0.20283	0.01136	0.00433	3	-0.91	3%	0
131.01	Methionine, PAO Pre-col OPA Der (%)	2004	0.20100	0.00000	0.20283	0.01136	0.00433	3	-0.16	0%	0
131.01	Methionine, PAO Pre-col OPA Der (%)	0969	0.21500	0.01000	0.20283	0.01136	0.00433	3	1.07	3%	0
131.02	Methionine, PAO Post-col OPA Der (%)	2023	0.19500	0.01000			0.01000	1			0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0870	0.37095	0.01070	0.39149	0.01852	0.01018	4	-1.11	3%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0227	0.38500	0.01000	0.39149	0.01852	0.01018	4	-0.35	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0504	0.39500	0.01000	0.39149	0.01852	0.01018	4	0.19	0%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0171	0.41500	0.01000	0.39149	0.01852	0.01018	4	1.27	3%	0
132.01	Phenylalanine, Pre-col OPA Der (%)	2004	0.39750	0.00500	0.40400	0.00958	0.00600	3	-0.68	1%	0
132.01	Phenylalanine, Pre-col OPA Der (%)	0970	0.39950	0.00300	0.40400	0.00958	0.00600	3	-0.47	1%	0
132.01	Phenylalanine, Pre-col OPA Der (%)	0969	0.41500	0.01000	0.40400	0.00958	0.00600	3	1.15	1%	0
132.02	Phenylalanine, Post-col OPA Der (%)	2023	0.36500	0.01000			0.01000	1			0
133.00	Proline, Post-col Ninhydrin Der (%)	0870	0.33885	0.01210	0.34846	0.01460	0.01553	4	-0.66	1%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0227	0.34000	0.04000	0.34846	0.01460	0.01553	4	-0.58	1%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0171	0.34500	0.01000	0.34846	0.01460	0.01553	4	-0.24	0%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0504	0.37000	0.00000	0.34846	0.01460	0.01553	4	1.47	3%	0
133.04	Proline, Pre-col FMOC Der (%)	2004	0.35200	0.00400			0.00400	1			0
133.99	Proline, Miscellaneous (%)	0969	0.36000	0.00000	0.37500	0.01803	0.00467	3	-0.83	2%	0
133.99	Proline, Miscellaneous (%)	0970	0.37000	0.00400	0.37500	0.01803	0.00467	3	-0.28	1%	0
133.99	Proline, Miscellaneous (%)	2023	0.39500	0.01000	0.37500	0.01803	0.00467	3	1.11	3%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0504	0.37000	0.02000	0.38424	0.01768	0.01303	4	-0.81	2%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0870	0.37695	0.01210	0.38424	0.01768	0.01303	4	-0.41	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0227	0.38000	0.00000	0.38424	0.01768	0.01303	4	-0.24	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0171	0.41000	0.02000	0.38424	0.01768	0.01303	4	1.46	3%	0
134.01	Serine, Pre-col OPA Der (%)	2004	0.35100	0.06600	0.39525	0.00035	0.02700	3	-1.15	4%	0
134.01	Serine, Pre-col OPA Der (%)	0969	0.39500	0.01000	0.39525	0.00035	0.02700	3	0.57	2%	0
134.01	Serine, Pre-col OPA Der (%)	0970	0.39550	0.00500	0.39525	0.00035	0.02700	3	0.59	2%	0
134.02	Serine, Post-col OPA Der (%)	2023	0.37500	0.01000			0.01000	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			
135.00	Threonine, Post-col Ninhydrin Der (%)	0870	0.26670	0.00780	0.27418	0.00551	0.01195	4	-1.36	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0227	0.27500	0.01000	0.27418	0.00551	0.01195	4	0.15	0%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0504	0.27500	0.01000	0.27418	0.00551	0.01195	4	0.15	0%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0171	0.28000	0.02000	0.27418	0.00551	0.01195	4	1.06	1%	0
135.01	Threonine, Pre-col OPA Der (%)	0970	0.26300	0.00400	0.27517	0.01118	0.00567	3	-1.09	2%	0
135.01	Threonine, Pre-col OPA Der (%)	2004	0.27750	0.00300	0.27517	0.01118	0.00567	3	0.21	0%	0
135.01	Threonine, Pre-col OPA Der (%)	0969	0.28500	0.01000	0.27517	0.01118	0.00567	3	0.88	2%	0
135.02	Threonine, Post-col OPA Der (%)	2023	0.27500	0.01000			0.01000	1			0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0870	0.06715	0.00930	0.12000	0.00000	0.00310	3	-1.15	17%	0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0160	0.12000	0.00000	0.12000	0.00000	0.00310	3	0.58	9%	0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0227	0.12000	0.00000	0.12000	0.00000	0.00310	3	0.58	9%	0
136.02	Tryptophan, Alka-Hydrol Post-col OPA De (%)	2023	0.08000	0.00000			0.00000	1			0
136.99	Tryptophan, Miscellaneous (%)	0969	0.09500	0.01000	0.10100	0.00849	0.00800	3	-0.59	40%	0
136.99	Tryptophan, Miscellaneous (%)	2004	0.10700	0.00400	0.10100	0.00849	0.00800	3	-0.57	39%	0
136.99	Tryptophan, Miscellaneous (%)	0970	1.1950	0.01000	0.10100	0.00849	0.00800	3	1.15	78%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0870	0.20990	0.01200	0.28000	0.00000	0.01733	3	-1.15	9%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0171	0.28000	0.00000	0.28000	0.00000	0.01733	3	0.58	5%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0227	0.28000	0.04000	0.28000	0.00000	0.01733	3	0.58	5%	0
137.01	Tyrosine, Pre-col OPA Der (%)	0970	0.37650	0.00500	0.39217	0.02417	0.00300	3	-0.65	2%	0
137.01	Tyrosine, Pre-col OPA Der (%)	2004	0.38000	0.00400	0.39217	0.02417	0.00300	3	-0.50	2%	0
137.01	Tyrosine, Pre-col OPA Der (%)	0969	0.42000	0.00000	0.39217	0.02417	0.00300	3	1.15	4%	0
137.02	Tyrosine, Post-col OPA Der (%)	2023	0.25000	0.00000			0.00000	1			0
138.00	Valine, Post-col Ninhydrin Der (%)	0160	0.40500	0.01000	0.43648	0.01901	0.01396	5	-1.66	4%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0870	0.43240	0.00980	0.43648	0.01901	0.01396	5	-0.21	0%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0504	0.44500	0.03000	0.43648	0.01901	0.01396	5	0.45	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0171	0.45000	0.02000	0.43648	0.01901	0.01396	5	0.71	2%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0227	0.45000	0.00000	0.43648	0.01901	0.01396	5	0.71	2%	0
138.01	Valine, Pre-col OPA Der (%)	2004	0.45350	0.02100	0.47083	0.01599	0.01033	3	-1.08	2%	0
138.01	Valine, Pre-col OPA Der (%)	0970	0.47400	0.00000	0.47083	0.01599	0.01033	3	0.20	0%	0
138.01	Valine, Pre-col OPA Der (%)	0969	0.48500	0.01000	0.47083	0.01599	0.01033	3	0.89	2%	0
138.02	Valine, Post-col OPA Der (%)	2023	0.39500	0.01000			0.01000	1			0
139.00	Taurine, Post-col Ninhydrin Der (%)	0171	0.02750	0.00300				1			0
139.00	Taurine, Post-col Ninhydrin Der (%)	0969	0.00000	0.00000				1			4
139.00	Taurine, Post-col Ninhydrin Der (%)	0970	0.00000	0.00000				1			4
139.01	Taurine, Pre-col OPA Der (%)	2004	0.00000	0.00000			0.00000	0			4
160.99	Fructose, Miscellaneous (%)	2004	0.05010	0.00480				1			0
160.99	Fructose, Miscellaneous (%)	0969	0.00000	0.00000				1			4
160.99	Fructose, Miscellaneous (%)	0970	0.00000	0.00000				1			4
161.99	Galactose, Miscellaneous (%)	0969	0.00000	0.00000				0			4
161.99	Galactose, Miscellaneous (%)	0970	0.00000	0.00000				0			4
161.99	Galactose, Miscellaneous (%)	2004	0.00000	0.00000				0			4
162.99	Glucose, Miscellaneous (%)	2004	0.10150	0.00900				1			0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCCO CS Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
162.99	Glucose, Miscellaneous (%)	0969	0.00000	0.00000				1		4	
162.99	Glucose, Miscellaneous (%)	0970	0.00000	0.00000				1		4	
163.99	Lactose, Miscellaneous (%)	0969	0.00000	0.00000				0		4	
163.99	Lactose, Miscellaneous (%)	0970	0.00000	0.00000				0		4	
163.99	Lactose, Miscellaneous (%)	2004	0.00000	0.00000				0		4	
164.99	Maltose, Miscellaneous (%)	2004	0.03755	0.00230				1		0	
164.99	Maltose, Miscellaneous (%)	0969	0.00000	0.00000				1		4	
164.99	Maltose, Miscellaneous (%)	0970	0.00000	0.00000				1		4	
165.99	Sucrose, Miscellaneous (%)	0970	0.70000	0.00000	0.73783	0.05426	0.01675	4	-0.81	2%	0
165.99	Sucrose, Miscellaneous (%)	2004	0.71350	0.00700	0.73783	0.05426	0.01675	4	-0.50	2%	0
165.99	Sucrose, Miscellaneous (%)	0227	0.73000	0.06000	0.73783	0.05426	0.01675	4	-0.13	0%	0
165.99	Sucrose, Miscellaneous (%)	0969	0.80000	0.00000	0.73783	0.05426	0.01675	4	1.44	4%	0
400.99	Water activity, Miscellaneous (Units)	2083	0.52850	0.00100			0.00100	1		0	
516.00	Arsenic, total, AA, Hydride (mg / kg (ppm))	0171	0.17000	0.00000			0.00000	1		0	
516.42	Arsenic, total, ICP, Open vessel (mg / kg (ppm))	0555	0.00000	0.00000			0.00000	0		4	
516.52	Arsenic, total, ICP-MS, Open vessel (mg / kg (ppm))	0555	0.19000	0.04000			0.04000	1		0	
516.53	Arsenic, total, ICP-MS, Microwave (mg / kg (ppm))	0553	0.15750	0.04300			0.04300	1		0	
518.41	Cadmium, ICP, Dry ash (mg / kg (ppm))	0171	0.02000	0.00000			0.00000	1		0	
518.42	Cadmium, ICP, Open vessel (mg / kg (ppm))	0555	0.00000	0.00000			0.00000	0		4	
518.43	Cadmium, ICP, Microwave (mg / kg (ppm))	0964	0.02825	0.00190			0.00190	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))	0553	0.01595	0.00110			0.00110	1		0	
520.41	Chromium, ICP, Dry ash (mg / kg (ppm))	0171	0.17500	0.03000			0.03000	1		0	
520.43	Chromium, ICP, Microwave (mg / kg (ppm))	0510	0.18000	0.02000			0.03620	2	-0.71	10%	0
520.43	Chromium, ICP, Microwave (mg / kg (ppm))	0964	0.27480	0.05240			0.03620	2	0.71	10%	0
520.52	Chromium, ICP-MS, Open vessel (mg / kg (ppm))	0555	0.32000	0.28000			0.28000	1		0	
520.53	Chromium, ICP-MS, Microwave (mg / kg (ppm))	2023	0.07500	0.01000			0.01000	1		0	
526.41	Lead, ICP, Dry ash (mg / kg (ppm))	0171	0.00000	0.00000			0.00000	0		4	
526.43	Lead, ICP, Microwave (mg / kg (ppm))	0508	23.174	0.46300			0.46300	1		0	
526.52	Lead, ICP-MS, Open vessel (mg / kg (ppm))	0555	0.00000	0.00000			0.00000	0		4	
529.99	Mercury, Miscellaneous (µg / kg (ppb))	0555	0.00000	0.00000			0.00000	0		4	
539.41	Nickel, ICP, Dry ash (mg / kg (ppm))	0171	0.04500	0.01000			0.01000	1		0	
539.43	Nickel, ICP, Microwave (mg / kg (ppm))	0964	0.36835	0.07910			0.07910	1		0	
539.52	Nickel, ICP-MS, Open vessel (mg / kg (ppm))	0555	1.2000	0.20000			0.20000	1		0	
539.53	Nickel, ICP-MS, Microwave (mg / kg (ppm))	0553	0.21150	0.04300			0.02650	2	-0.71	4%	0
539.53	Nickel, ICP-MS, Microwave (mg / kg (ppm))	2023	0.24500	0.01000			0.02650	2	0.71	4%	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 indicates no statistics calculated for this dataset. To review the problem please see all submitted data for this test.