



Method Proficiency Testing Report Pet Food Program

Sample # 201642
Lamb Meal

Labs Reporting: 52
Issue Date : 07/31/2016

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 (%)	0034	4.6550	0.01000	5.4838	0.56548	0.07050	4	-1.47	8%	0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0309	5.6150	0.16200	5.4838	0.56548	0.07050	4	0.23	1%	0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0504	5.7550	0.05000	5.4838	0.56548	0.07050	4	0.48	2%	0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0027	5.9100	0.06000	5.4838	0.56548	0.07050	4	0.75	4%	0
001.03	Loss on Drying, Low temp. methods (%)	2124	5.5600	0.00000				2			0
001.03	Loss on Drying, Low temp. methods (%)	2115	55.480	0.04000				2			0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0845	5.1550	0.51000	5.7842	0.23658	0.13750	8	-2.66	5%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0074	5.6300	0.14000	5.7842	0.23658	0.13750	8	-0.65	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0613	5.6850	0.21000	5.7842	0.23658	0.13750	8	-0.42	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0098	5.8100	0.02000	5.7842	0.23658	0.13750	8	0.11	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0035	5.8250	0.01000	5.7842	0.23658	0.13750	8	0.17	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0171	5.8350	0.01000	5.7842	0.23658	0.13750	8	0.21	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0003	5.9200	0.02000	5.7842	0.23658	0.13750	8	0.57	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2033	6.1600	0.18000	5.7842	0.23658	0.13750	8	1.59	3%	0
001.99	Loss on Drying, Miscellaneous (%)	0510	5.4000	0.00000				2			0
001.99	Loss on Drying, Miscellaneous (%)	0876	6.9300	0.90000				2			0
002.00	Protein, Crude (%)	0845	55.555	0.37000				1			0
002.01	Protein, Auto Kjeld-Foss (%)	0914	54.210	0.42000				2			0
002.01	Protein, Auto Kjeld-Foss (%)	0164	55.410	0.32000				2			0
002.02	Protein, Semiauto Autoanalyzer (%)	0042	53.485	0.17000				1			0
002.04	Protein, Copper Catalyst (%)	2122	55.000	0.12000				2			0
002.04	Protein, Copper Catalyst (%)	0504	55.005	0.27000				2			0
002.05	Protein, Copper, Boric Acid (%)	2115	5.7900	0.00000	53.113	3.3552	0.19250	4	-14.10	45%	0
002.05	Protein, Copper, Boric Acid (%)	0943	50.740	0.00000	53.113	3.3552	0.19250	4	-0.71	2%	0
002.05	Protein, Copper, Boric Acid (%)	0015	54.600	0.62000	53.113	3.3552	0.19250	4	0.44	1%	0
002.05	Protein, Copper, Boric Acid (%)	2058	55.485	0.15000	53.113	3.3552	0.19250	4	0.71	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0511	53.475	0.15000	55.408	0.84111	0.77129	38	-2.30	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0042	53.815	0.15000	55.408	0.84111	0.77129	38	-1.89	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0027	54.140	2.3800	55.408	0.84111	0.77129	38	-1.51	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0510	54.350	0.10000	55.408	0.84111	0.77129	38	-1.26	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0553	54.450	2.9000	55.408	0.84111	0.77129	38	-1.14	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			
002.06	Protein, Combustion Nitrogen Analyzer (%)	0202	54.525	0.75000	55.408	0.84111	0.77129	38	-1.05	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2016	54.690	0.90000	55.408	0.84111	0.77129	38	-0.85	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2050	54.695	0.27000	55.408	0.84111	0.77129	38	-0.85	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0098	54.700	0.40000	55.408	0.84111	0.77129	38	-0.84	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2089	54.710	2.2400	55.408	0.84111	0.77129	38	-0.83	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0035	54.765	0.09000	55.408	0.84111	0.77129	38	-0.77	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0171	55.050	0.30000	55.408	0.84111	0.77129	38	-0.43	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0034	55.127	0.25400	55.408	0.84111	0.77129	38	-0.33	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0504	55.145	0.49000	55.408	0.84111	0.77129	38	-0.31	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0613	55.215	0.57000	55.408	0.84111	0.77129	38	-0.23	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0014	55.250	0.10000	55.408	0.84111	0.77129	38	-0.19	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2023	55.345	0.93000	55.408	0.84111	0.77129	38	-0.08	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0051	55.500	0.20000	55.408	0.84111	0.77129	38	0.11	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0208	55.505	0.07000	55.408	0.84111	0.77129	38	0.11	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0074	55.505	0.03000	55.408	0.84111	0.77129	38	0.11	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0003	55.560	0.56000	55.408	0.84111	0.77129	38	0.18	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0407	55.594	1.7950	55.408	0.84111	0.77129	38	0.22	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0957	55.635	1.7500	55.408	0.84111	0.77129	38	0.27	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0047	55.650	1.3000	55.408	0.84111	0.77129	38	0.29	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0959	55.650	1.0200	55.408	0.84111	0.77129	38	0.29	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2033	55.665	0.90500	55.408	0.84111	0.77129	38	0.30	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0960	55.720	0.52000	55.408	0.84111	0.77129	38	0.37	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0026	55.729	0.95200	55.408	0.84111	0.77129	38	0.38	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2124	55.730	0.08000	55.408	0.84111	0.77129	38	0.38	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0876	55.900	1.1800	55.408	0.84111	0.77129	38	0.58	0%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2136	56.250	2.3000	55.408	0.84111	0.77129	38	1.00	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	2058	56.295	0.37000	55.408	0.84111	0.77129	38	1.05	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0808	56.370	0.24000	55.408	0.84111	0.77129	38	1.14	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0508	56.381	2.1070	55.408	0.84111	0.77129	38	1.16	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0309	56.517	0.15600	55.408	0.84111	0.77129	38	1.32	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0164	56.570	0.20000	55.408	0.84111	0.77129	38	1.38	1%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	0033	57.600	0.60000	55.408	0.84111	0.77129	38	2.61	2%	0
002.06	Protein, Combustion Nitrogen Analyzer (%)	1019	57.690	0.00000	55.408	0.84111	0.77129	38	2.71	2%	0
002.08	Protein, Cu/Ti (%)	0098	54.515	0.65000				2			0
002.08	Protein, Cu/Ti (%)	0208	55.550	0.30000				2			0
002.11	Protein, NIR (%)	0034	49.100	0.14000	52.920	5.4023	0.61667	3			0
002.11	Protein, NIR (%)	0613	55.385	1.5500	52.920	5.4023	0.61667	3			0
002.11	Protein, NIR (%)	2050	56.740	0.16000	52.920	5.4023	0.61667	3			0
002.99	Protein, Miscellaneous (%)	0970	54.950	2.1000	55.668	0.66195	0.99333	3			0
002.99	Protein, Miscellaneous (%)	2004	55.800	0.00000	55.668	0.66195	0.99333	3			0
002.99	Protein, Miscellaneous (%)	0969	56.254	0.88000	55.668	0.66195	0.99333	3			0
003.00	Fat, Eth Ext., Direct (%)	0309	11.154	0.50730	11.335	0.16495	0.24146	5	-1.10	1%	0

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003.00	Fat, Eth Ext., Direct (%)	0026	11.245	0.09000	11.335	0.16495	0.24146	5	-0.54	0%	0
003.00	Fat, Eth Ext., Direct (%)	2033	11.275	0.55000	11.335	0.16495	0.24146	5	-0.36	0%	0
003.00	Fat, Eth Ext., Direct (%)	0035	11.430	0.06000	11.335	0.16495	0.24146	5	0.58	0%	0
003.00	Fat, Eth Ext., Direct (%)	2058	11.570	0.00000	11.335	0.16495	0.24146	5	1.43	1%	0
003.01	Fat, Ind Eth Ext (13th ed.), Indirect (%)	0504	12.860	1.4400				1			0
003.06	Fat, Pet Ether (%)	0164	11.355	0.29000	11.513	0.14356	0.33750	4	-1.10	1%	0
003.06	Fat, Pet Ether (%)	2033	11.550	0.80000	11.513	0.14356	0.33750	4	0.26	0%	0
003.06	Fat, Pet Ether (%)	0511	11.635	0.21000	11.513	0.14356	0.33750	4	0.85	1%	0
003.06	Fat, Pet Ether (%)	0074	13.435	0.05000	11.513	0.14356	0.33750	4	13.39	8%	0
003.07	Fat, Aqueous Extraction (%)	2115	11.135	0.07000				1			0
003.09	Fat, Soxtec, Eth Ext (%)	0027	11.360	0.06000				2			0
003.09	Fat, Soxtec, Eth Ext (%)	0098	11.695	0.15000				2			0
003.10	Fat, Soxtec, Pet Ether (%)	0051	11.250	0.30000	11.423	0.22659	0.14500	4	-0.76	1%	0
003.10	Fat, Soxtec, Pet Ether (%)	0098	11.295	0.09000	11.423	0.22659	0.14500	4	-0.56	1%	0
003.10	Fat, Soxtec, Pet Ether (%)	0553	11.395	0.17000	11.423	0.22659	0.14500	4	-0.12	0%	0
003.10	Fat, Soxtec, Pet Ether (%)	2124	11.750	0.02000	11.423	0.22659	0.14500	4	1.45	1%	0
003.11	Fat, NIR (%)	0613	9.3150	4.3700				2			0
003.11	Fat, NIR (%)	2050	10.935	0.01000				2			0
003.12	Fat, Hexane Ext (%)	0171	11.350	0.06000				1			0
003.13	Fat, Soxtec, Hexane Ext. (%)	0033	11.100	0.20000	11.105	0.00707	0.33000	3			0
003.13	Fat, Soxtec, Hexane Ext. (%)	0098	11.110	0.40000	11.105	0.00707	0.33000	3			0
003.13	Fat, Soxtec, Hexane Ext. (%)	2089	11.675	0.39000	11.105	0.00707	0.33000	3			0
003.14	Fat, Ankom (%)	0613	11.090	1.2600	11.422	0.23504	0.41040	7	-1.41	1%	0
003.14	Fat, Ankom (%)	0202	11.170	0.02000	11.422	0.23504	0.41040	7	-1.07	1%	0
003.14	Fat, Ankom (%)	0876	11.455	0.59000	11.422	0.23504	0.41040	7	0.14	0%	0
003.14	Fat, Ankom (%)	0034	11.510	0.16000	11.422	0.23504	0.41040	7	0.38	0%	0
003.14	Fat, Ankom (%)	0407	11.527	0.12280	11.422	0.23504	0.41040	7	0.45	0%	0
003.14	Fat, Ankom (%)	2023	11.580	0.10000	11.422	0.23504	0.41040	7	0.67	1%	0
003.14	Fat, Ankom (%)	0003	11.620	0.62000	11.422	0.23504	0.41040	7	0.84	1%	0
003.99	Fat, Miscellaneous (%)	0047	11.175	0.05000				2			0
003.99	Fat, Miscellaneous (%)	1019	11.240	0.00000				2			0
004.00	Fiber, Crude, Asbestos Free (%)	0969	1.2150	0.03000	2.2112	0.72204	0.13070	10	-1.38	23%	0
004.00	Fiber, Crude, Asbestos Free (%)	2023	1.6100	0.06000	2.2112	0.72204	0.13070	10	-0.83	14%	0
004.00	Fiber, Crude, Asbestos Free (%)	0511	1.9500	0.30000	2.2112	0.72204	0.13070	10	-0.36	6%	0
004.00	Fiber, Crude, Asbestos Free (%)	0164	2.0000	0.00000	2.2112	0.72204	0.13070	10	-0.29	5%	0
004.00	Fiber, Crude, Asbestos Free (%)	0309	2.0674	0.13700	2.2112	0.72204	0.13070	10	-0.20	3%	0
004.00	Fiber, Crude, Asbestos Free (%)	0943	2.2300	0.20000	2.2112	0.72204	0.13070	10	0.03	0%	0
004.00	Fiber, Crude, Asbestos Free (%)	0208	2.2350	0.15000	2.2112	0.72204	0.13070	10	0.03	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	2004	2.3100	0.08000	2.2112	0.72204	0.13070	10	0.14	2%	0
004.00	Fiber, Crude, Asbestos Free (%)	0504	3.2000	0.18000	2.2112	0.72204	0.13070	10	1.37	22%	0
004.00	Fiber, Crude, Asbestos Free (%)	0171	3.3050	0.17000	2.2112	0.72204	0.13070	10	1.51	25%	0
004.03	Fiber, Fritted Glass (%)	2115	1.6400	0.02000	1.7300	0.08185	0.09333	3			0

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004.03	Fiber, Fritted Glass (%)	2033	1.7500	0.20000	1.7300	0.08185	0.09333	3			0
004.03	Fiber, Fritted Glass (%)	2089	1.8000	0.06000	1.7300	0.08185	0.09333	3			0
004.06	Fiber, Fibertec (%)	0027	2.7100	0.14000				2			0
004.06	Fiber, Fibertec (%)	0845	2.9750	0.69000				2			0
004.07	Fiber, ANKOM (%)	0003	2.3100	0.60000	3.6246	1.2044	0.30831	15	-1.09	18%	0
004.07	Fiber, ANKOM (%)	2058	2.3900	0.00000	3.6246	1.2044	0.30831	15	-1.03	17%	0
004.07	Fiber, ANKOM (%)	0035	2.4150	0.49000	3.6246	1.2044	0.30831	15	-1.00	17%	0
004.07	Fiber, ANKOM (%)	0033	2.5000	0.20000	3.6246	1.2044	0.30831	15	-0.93	16%	0
004.07	Fiber, ANKOM (%)	0074	3.1200	0.46000	3.6246	1.2044	0.30831	15	-0.42	7%	0
004.07	Fiber, ANKOM (%)	0510	3.2500	0.10000	3.6246	1.2044	0.30831	15	-0.31	5%	0
004.07	Fiber, ANKOM (%)	2125	3.3450	0.81000	3.6246	1.2044	0.30831	15	-0.23	4%	0
004.07	Fiber, ANKOM (%)	0876	3.3500	0.10000	3.6246	1.2044	0.30831	15	-0.23	4%	0
004.07	Fiber, ANKOM (%)	0042	3.3700	0.60000	3.6246	1.2044	0.30831	15	-0.21	4%	0
004.07	Fiber, ANKOM (%)	2124	3.7800	0.14000	3.6246	1.2044	0.30831	15	0.13	2%	0
004.07	Fiber, ANKOM (%)	0202	4.4450	0.29000	3.6246	1.2044	0.30831	15	0.68	11%	0
004.07	Fiber, ANKOM (%)	0407	4.5464	0.26470	3.6246	1.2044	0.30831	15	0.77	13%	0
004.07	Fiber, ANKOM (%)	0026	4.6850	0.11000	3.6246	1.2044	0.30831	15	0.88	15%	0
004.07	Fiber, ANKOM (%)	0034	5.4400	0.34000	3.6246	1.2044	0.30831	15	1.51	25%	0
004.07	Fiber, ANKOM (%)	0553	5.5800	0.12000	3.6246	1.2044	0.30831	15	1.62	27%	0
004.07	Fiber, ANKOM (%)	0613	5.8150	1.9500	3.6246	1.2044	0.30831	15	1.82	30%	1
004.11	Fiber, NIR (%)	0034	4.5050	0.11000				2			0
004.11	Fiber, NIR (%)	0613	6.5200	9.9000				2			0
005.00	Ash, 2h @ 600°C (%)	0042	23.110	0.20000	23.811	0.41167	0.29682	29	-1.70	1%	0
005.00	Ash, 2h @ 600°C (%)	2089	23.160	0.14000	23.811	0.41167	0.29682	29	-1.58	1%	0
005.00	Ash, 2h @ 600°C (%)	0960	23.225	0.45000	23.811	0.41167	0.29682	29	-1.42	1%	0
005.00	Ash, 2h @ 600°C (%)	0553	23.305	0.11000	23.811	0.41167	0.29682	29	-1.23	1%	0
005.00	Ash, 2h @ 600°C (%)	1019	23.350	0.00000	23.811	0.41167	0.29682	29	-1.12	1%	0
005.00	Ash, 2h @ 600°C (%)	0808	23.365	0.35000	23.811	0.41167	0.29682	29	-1.08	1%	0
005.00	Ash, 2h @ 600°C (%)	2033	23.400	0.60000	23.811	0.41167	0.29682	29	-1.00	1%	0
005.00	Ash, 2h @ 600°C (%)	0051	23.650	0.50000	23.811	0.41167	0.29682	29	-0.39	0%	0
005.00	Ash, 2h @ 600°C (%)	0026	23.665	0.07000	23.811	0.41167	0.29682	29	-0.35	0%	0
005.00	Ash, 2h @ 600°C (%)	0035	23.715	0.05000	23.811	0.41167	0.29682	29	-0.23	0%	0
005.00	Ash, 2h @ 600°C (%)	0047	23.750	0.10000	23.811	0.41167	0.29682	29	-0.15	0%	0
005.00	Ash, 2h @ 600°C (%)	0164	23.780	0.22000	23.811	0.41167	0.29682	29	-0.07	0%	0
005.00	Ash, 2h @ 600°C (%)	0208	23.800	0.20000	23.811	0.41167	0.29682	29	-0.03	0%	0
005.00	Ash, 2h @ 600°C (%)	0098	23.805	0.17000	23.811	0.41167	0.29682	29	-0.01	0%	0
005.00	Ash, 2h @ 600°C (%)	0876	23.805	1.0700	23.811	0.41167	0.29682	29	-0.01	0%	0
005.00	Ash, 2h @ 600°C (%)	0957	23.815	0.43000	23.811	0.41167	0.29682	29	0.01	0%	0
005.00	Ash, 2h @ 600°C (%)	0407	23.869	0.06190	23.811	0.41167	0.29682	29	0.14	0%	0
005.00	Ash, 2h @ 600°C (%)	0309	23.930	0.70600	23.811	0.41167	0.29682	29	0.29	0%	0
005.00	Ash, 2h @ 600°C (%)	0845	23.930	0.12000	23.811	0.41167	0.29682	29	0.29	0%	0
005.00	Ash, 2h @ 600°C (%)	0033	23.950	0.30000	23.811	0.41167	0.29682	29	0.34	0%	0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
005.00	Ash, 2h @ 600°C (%)	0171	24.090	0.34000	23.811	0.41167	0.29682	29	0.68	1%	0
005.00	Ash, 2h @ 600°C (%)	0027	24.130	0.50000	23.811	0.41167	0.29682	29	0.78	1%	0
005.00	Ash, 2h @ 600°C (%)	0511	24.140	0.04000	23.811	0.41167	0.29682	29	0.80	1%	0
005.00	Ash, 2h @ 600°C (%)	0959	24.170	0.40000	23.811	0.41167	0.29682	29	0.87	1%	0
005.00	Ash, 2h @ 600°C (%)	2115	24.195	0.05000	23.811	0.41167	0.29682	29	0.93	1%	0
005.00	Ash, 2h @ 600°C (%)	2016	24.245	0.69000	23.811	0.41167	0.29682	29	1.05	1%	0
005.00	Ash, 2h @ 600°C (%)	0510	24.270	0.04000	23.811	0.41167	0.29682	29	1.12	1%	0
005.00	Ash, 2h @ 600°C (%)	0943	24.350	0.00000	23.811	0.41167	0.29682	29	1.31	1%	0
005.00	Ash, 2h @ 600°C (%)	0504	24.610	0.70000	23.811	0.41167	0.29682	29	1.94	2%	0
005.05	Ash, 3h @ 550°C (%)	2050	23.745	0.21000	23.816	0.07432	0.23250	4	-0.96	0%	0
005.05	Ash, 3h @ 550°C (%)	2124	23.790	0.28000	23.816	0.07432	0.23250	4	-0.35	0%	0
005.05	Ash, 3h @ 550°C (%)	0003	23.810	0.36000	23.816	0.07432	0.23250	4	-0.08	0%	0
005.05	Ash, 3h @ 550°C (%)	2058	23.920	0.08000	23.816	0.07432	0.23250	4	1.40	0%	0
005.11	Ash, NIR (%)	0613	16.165	14.710				2			0
005.11	Ash, NIR (%)	2050	21.735	0.17000				2			0
005.99	Ash, Miscellaneous (%)	0202	23.685	0.01000	24.230	0.39671	0.32371	7	-1.37	1%	0
005.99	Ash, Miscellaneous (%)	2136	24.050	0.30000	24.230	0.39671	0.32371	7	-0.45	0%	0
005.99	Ash, Miscellaneous (%)	0969	24.130	0.25600	24.230	0.39671	0.32371	7	-0.25	0%	0
005.99	Ash, Miscellaneous (%)	2004	24.200	0.00000	24.230	0.39671	0.32371	7	-0.08	0%	0
005.99	Ash, Miscellaneous (%)	0613	24.305	0.07000	24.230	0.39671	0.32371	7	0.19	0%	0
005.99	Ash, Miscellaneous (%)	2023	24.415	0.63000	24.230	0.39671	0.32371	7	0.47	0%	0
005.99	Ash, Miscellaneous (%)	0970	24.900	1.0000	24.230	0.39671	0.32371	7	1.69	1%	0
006.01	Total sugars, Mod. Fehling Soln (%)	0407	0.15000	0.02000				1			0
006.99	Total sugars, Miscellaneous (%)	2114	0.00600	0.00060				1			0
006.99	Total sugars, Miscellaneous (%)	0969	0.00000	0.00000				1			4
006.99	Total sugars, Miscellaneous (%)	2004	0.01200	0.02400				1			4
008.02	Fiber, Acid Detergent (%)	0309	4.9600	0.33440				2			0
008.02	Fiber, Acid Detergent (%)	0504	7.6700	2.4800				2			0
008.08	Fiber, Acid Detergent, ANKOM (%)	0164	3.6500	0.30000	4.4420	0.84538	0.44988	5	-0.94	9%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0035	4.0100	0.08000	4.4420	0.84538	0.44988	5	-0.51	5%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	2004	4.5150	0.07000	4.4420	0.84538	0.44988	5	0.09	1%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0407	5.5930	0.10940	4.4420	0.84538	0.44988	5	1.36	13%	0
008.08	Fiber, Acid Detergent, ANKOM (%)	0613	6.1550	1.6900	4.4420	0.84538	0.44988	5	2.03	19%	0
008.99	Fiber, Acid Detergent Miscellaneous (%)	0613	3.4050	0.47000				1			0
009.04	Fiber, Neutral Det-No ENZ Pretreat (%)	0504	43.720	3.3800				1			0
009.09	Fiber, Neutral Detergent, ANKOM (%)	2004	22.900	0.00000	28.709	4.5639	1.4470	4	-1.27	10%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0164	28.350	0.10000	28.709	4.5639	1.4470	4	-0.08	1%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0613	29.605	3.6300	28.709	4.5639	1.4470	4	0.20	2%	0
009.09	Fiber, Neutral Detergent, ANKOM (%)	0407	33.983	2.0578	28.709	4.5639	1.4470	4	1.16	9%	0
009.99	Fiber, Neutral Det Miscellaneous (%)	0613	32.410	3.4400				1			0
010.03	Moisture, Karl-Fischer (%)	0208	6.2500	0.12000				2			0
010.03	Moisture, Karl-Fischer (%)	0164	6.5900	0.22000				2			0

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010.11	Moisture, NIR (%)	2050	6.2100	0.10000				1			0
010.99	Moisture, Miscellaneous (%)	0969	4.5620	0.05400	5.4800	0.50346	0.09067	6	-1.82	8%	0
010.99	Moisture, Miscellaneous (%)	2004	5.1900	0.00000	5.4800	0.50346	0.09067	6	-0.58	3%	0
010.99	Moisture, Miscellaneous (%)	2089	5.6450	0.01000	5.4800	0.50346	0.09067	6	0.33	2%	0
010.99	Moisture, Miscellaneous (%)	2122	5.6450	0.11000	5.4800	0.50346	0.09067	6	0.33	2%	0
010.99	Moisture, Miscellaneous (%)	0970	5.7350	0.05000	5.4800	0.50346	0.09067	6	0.51	2%	0
010.99	Moisture, Miscellaneous (%)	2136	5.9400	0.32000	5.4800	0.50346	0.09067	6	0.91	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0407	5.4000	0.00000	6.2703	0.16319	0.09143	21	-5.33	7%	0
011.01	Loss on Drying, 135°C 2hr (%)	0943	5.6400	0.18000	6.2703	0.16319	0.09143	21	-3.86	5%	0
011.01	Loss on Drying, 135°C 2hr (%)	0510	5.8000	0.20000	6.2703	0.16319	0.09143	21	-2.88	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0164	6.1300	0.06000	6.2703	0.16319	0.09143	21	-0.86	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0047	6.1500	0.30000	6.2703	0.16319	0.09143	21	-0.74	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0511	6.1750	0.07000	6.2703	0.16319	0.09143	21	-0.58	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0960	6.2000	0.02000	6.2703	0.16319	0.09143	21	-0.43	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0051	6.2700	0.16000	6.2703	0.16319	0.09143	21	0.00	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0171	6.2750	0.11000	6.2703	0.16319	0.09143	21	0.03	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0208	6.2800	0.14000	6.2703	0.16319	0.09143	21	0.06	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0026	6.2850	0.05000	6.2703	0.16319	0.09143	21	0.09	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0309	6.2850	0.07000	6.2703	0.16319	0.09143	21	0.09	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0553	6.2900	0.08000	6.2703	0.16319	0.09143	21	0.12	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0098	6.3400	0.02000	6.2703	0.16319	0.09143	21	0.43	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0013	6.3500	0.08000	6.2703	0.16319	0.09143	21	0.49	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	1019	6.3500	0.00000	6.2703	0.16319	0.09143	21	0.49	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0202	6.3950	0.05000	6.2703	0.16319	0.09143	21	0.76	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0957	6.3950	0.25000	6.2703	0.16319	0.09143	21	0.76	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0033	6.4000	0.00000	6.2703	0.16319	0.09143	21	0.79	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0959	6.6000	0.08000	6.2703	0.16319	0.09143	21	2.02	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	2058	6.6700	0.00000	6.2703	0.16319	0.09143	21	2.45	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	2016	5.8500	0.68000	6.2703	0.16319	0.09143	21	-2.58	3%	1
011.02	Loss on Drying, 130°C for 2 hours (%)	2023	6.5450	0.05000				2			0
011.02	Loss on Drying, 130°C for 2 hours (%)	2083	6.6000	0.40000				2			0
011.03	Loss on drying, 130°C, 1 hour, Flour (%)	0808	6.5550	0.11000				1			0
012.00	Starch, Polarimetric (Ewers) (%)	2023	0.00000	0.00000				0			4
012.01	Starch, Megazyme (%)	2004	0.14000	0.00000				2			0
012.01	Starch, Megazyme (%)	0613	0.54500	0.11000				2			0
012.02	Starch, Colorimetric (GOP) (%)	2089	1.1700	0.12000				1			0
012.03	Starch, Enzymatic (%)	0407	0.36905	0.08790				1			0
012.04	Starch, YSI Analyzer (%)	0510	0.50000	0.00000				1			0
013.00	Fat, Acid hydrolysis (%)	0969	12.000	0.60000	12.849	0.33759	0.26291	8	-2.51	3%	0
013.00	Fat, Acid hydrolysis (%)	0098	12.615	0.07000	12.849	0.33759	0.26291	8	-0.69	1%	0
013.00	Fat, Acid hydrolysis (%)	0970	12.750	0.10000	12.849	0.33759	0.26291	8	-0.29	0%	0
013.00	Fat, Acid hydrolysis (%)	0309	12.803	0.13330	12.849	0.33759	0.26291	8	-0.14	0%	0

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013.00	Fat, Acid hydrolysis (%)	0202	12.865	0.01000	12.849	0.33759	0.26291	8	0.05	0%	0
013.00	Fat, Acid hydrolysis (%)	2016	13.010	0.06000	12.849	0.33759	0.26291	8	0.48	1%	0
013.00	Fat, Acid hydrolysis (%)	2004	13.100	1.0000	12.849	0.33759	0.26291	8	0.74	1%	0
013.00	Fat, Acid hydrolysis (%)	2023	13.305	0.13000	12.849	0.33759	0.26291	8	1.35	2%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0510	11.900	0.20000	12.735	0.32318	0.33833	12	-2.59	3%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0553	12.440	0.42000	12.735	0.32318	0.33833	12	-0.91	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0957	12.550	0.24000	12.735	0.32318	0.33833	12	-0.57	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0074	12.595	0.37000	12.735	0.32318	0.33833	12	-0.43	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0960	12.650	0.22000	12.735	0.32318	0.33833	12	-0.26	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0959	12.665	0.49000	12.735	0.32318	0.33833	12	-0.22	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0164	12.710	0.12000	12.735	0.32318	0.33833	12	-0.08	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0208	12.750	0.90000	12.735	0.32318	0.33833	12	0.04	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	2058	12.805	0.23000	12.735	0.32318	0.33833	12	0.22	0%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0943	13.040	0.44000	12.735	0.32318	0.33833	12	0.94	1%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0051	13.150	0.30000	12.735	0.32318	0.33833	12	1.28	2%	0
013.02	Fat, Mojonnier, Bak Ext (%)	0808	13.325	0.13000	12.735	0.32318	0.33833	12	1.82	2%	0
013.02	Fat, Mojonnier, Bak Ext (%)	2136	11.470	1.8800	12.735	0.32318	0.33833	12	-3.92	5%	1
013.10	Fat, Soxtec-Acid Hydrolysis (%)	0845	11.455	0.17000				2			0
013.10	Fat, Soxtec-Acid Hydrolysis (%)	2124	11.605	0.03000				2			0
013.13	Fat, Ankom- Acid Hydrolysis (%)	0042	11.950	0.08000				1			0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0171	346.50	9.0000				1			0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0510	465.50	5.0000				2			0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	2033	626.00	8.0000				2			0
015.53	Aluminum, ICP-MS, Microwave (mg / kg (ppm))	0553	611.00	20.000				1			0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0510	4.2500	0.10000				1			0
019.00	Calcium, Ox-Mn04 Vol. (%)	2115	6.2750	0.05000				1			0
019.31	Calcium, AAS, Dry ash (%)	0208	7.5800	0.32000				2			0
019.31	Calcium, AAS, Dry ash (%)	0014	7.7300	0.52000				2			0
019.32	Calcium, AAS, Open vessel (%)	0035	7.5700	0.12000				2			0
019.32	Calcium, AAS, Open vessel (%)	0504	7.7615	0.12300				2			0
019.41	Calcium, ICP, Dry ash (%)	0511	6.8550	0.03000	7.3075	0.36328	0.24276	8	-1.25	3%	0
019.41	Calcium, ICP, Dry ash (%)	0208	6.9705	0.64500	7.3075	0.36328	0.24276	8	-0.93	2%	0
019.41	Calcium, ICP, Dry ash (%)	0098	7.1700	0.10000	7.3075	0.36328	0.24276	8	-0.38	1%	0
019.41	Calcium, ICP, Dry ash (%)	0051	7.2524	0.09610	7.3075	0.36328	0.24276	8	-0.15	0%	0
019.41	Calcium, ICP, Dry ash (%)	0164	7.3550	0.27000	7.3075	0.36328	0.24276	8	0.13	0%	0
019.41	Calcium, ICP, Dry ash (%)	0171	7.4650	0.05000	7.3075	0.36328	0.24276	8	0.43	1%	0
019.41	Calcium, ICP, Dry ash (%)	0074	7.5400	0.34000	7.3075	0.36328	0.24276	8	0.64	2%	0
019.41	Calcium, ICP, Dry ash (%)	0407	7.9954	0.41100	7.3075	0.36328	0.24276	8	1.89	5%	0
019.42	Calcium, ICP, Open vessel (%)	0042	5.9950	0.53000	7.2834	0.78053	0.32280	5	-1.65	9%	0
019.42	Calcium, ICP, Open vessel (%)	0035	7.2000	0.62000	7.2834	0.78053	0.32280	5	-0.11	1%	0
019.42	Calcium, ICP, Open vessel (%)	0202	7.4950	0.01000	7.2834	0.78053	0.32280	5	0.27	1%	0
019.42	Calcium, ICP, Open vessel (%)	0504	7.7020	0.12400	7.2834	0.78053	0.32280	5	0.54	3%	0

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019.42	Calcium, ICP, Open vessel (%)	0613	8.0250	0.33000	7.2834	0.78053	0.32280	5	0.95	5%	0
019.43	Calcium, ICP, Microwave (%)	2136	6.7400	0.96000	7.4070	0.32664	0.32739	9	-2.04	5%	0
019.43	Calcium, ICP, Microwave (%)	0510	7.1050	0.07000	7.4070	0.32664	0.32739	9	-0.92	2%	0
019.43	Calcium, ICP, Microwave (%)	0098	7.2100	0.00000	7.4070	0.32664	0.32739	9	-0.60	1%	0
019.43	Calcium, ICP, Microwave (%)	0034	7.4590	0.34650	7.4070	0.32664	0.32739	9	0.16	0%	0
019.43	Calcium, ICP, Microwave (%)	0033	7.4800	0.30000	7.4070	0.32664	0.32739	9	0.22	0%	0
019.43	Calcium, ICP, Microwave (%)	2089	7.4850	0.17000	7.4070	0.32664	0.32739	9	0.24	1%	0
019.43	Calcium, ICP, Microwave (%)	0027	7.5400	0.38000	7.4070	0.32664	0.32739	9	0.41	1%	0
019.43	Calcium, ICP, Microwave (%)	2124	7.5700	0.22000	7.4070	0.32664	0.32739	9	0.50	1%	0
019.43	Calcium, ICP, Microwave (%)	2033	8.1100	0.50000	7.4070	0.32664	0.32739	9	2.15	5%	0
019.44	Calcium, ICP, Dry ash (%)	2122	0.80045	0.00510	6.6416	0.70346	0.17265	6	-8.30	44%	0
019.44	Calcium, ICP, Dry ash (%)	2004	6.5100	0.24000	6.6416	0.70346	0.17265	6	-0.19	1%	0
019.44	Calcium, ICP, Dry ash (%)	0969	6.5565	0.39300	6.6416	0.70346	0.17265	6	-0.12	1%	0
019.44	Calcium, ICP, Dry ash (%)	2023	6.7350	0.13000	6.6416	0.70346	0.17265	6	0.13	1%	0
019.44	Calcium, ICP, Dry ash (%)	2114	6.7650	0.06780	6.6416	0.70346	0.17265	6	0.18	1%	0
019.44	Calcium, ICP, Dry ash (%)	0970	7.7800	0.20000	6.6416	0.70346	0.17265	6	1.62	9%	0
019.52	Calcium, ICP-MS, Open vessel (%)	0047	7.2850	0.41000				1			0
019.53	Calcium, ICP-MS, Microwave (%)	0553	7.6800	0.24000				1			0
021.31	Cobalt, AAS, Dry ash (mg / kg (ppm))	0164	0.90000	0.00000				1			0
021.41	Cobalt, ICP, Dry ash (mg / kg (ppm))	0171	1.0500	0.10000				1			0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0510	0.99500	0.01000				1			0
021.53	Cobalt, ICP-MS, Microwave (mg / kg (ppm))	0553	1.2700	0.08000				1			0
022.32	Copper, AAS, Open vessel (mg / kg (ppm))	0504	8.9045	0.21900				2			0
022.32	Copper, AAS, Open vessel (mg / kg (ppm))	0035	11.000	0.00000				2			0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0098	2.6100	0.72000	4.0129	1.1746	0.50411	8	-1.19	17%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0171	3.2000	0.20000	4.0129	1.1746	0.50411	8	-0.69	10%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0164	3.4500	0.70000	4.0129	1.1746	0.50411	8	-0.48	7%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0208	3.5605	0.18100	4.0129	1.1746	0.50411	8	-0.39	6%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0407	3.8930	0.15190	4.0129	1.1746	0.50411	8	-0.10	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0511	4.5000	1.0000	4.0129	1.1746	0.50411	8	0.41	6%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0051	5.3900	0.08000	4.0129	1.1746	0.50411	8	1.17	17%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0074	5.5000	1.0000	4.0129	1.1746	0.50411	8	1.27	19%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0042	6.5150	0.05000	8.2400	2.0547	0.65000	4	-0.84	10%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0613	6.9050	1.5500	8.2400	2.0547	0.65000	4	-0.65	8%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0035	8.5000	1.0000	8.2400	2.0547	0.65000	4	0.13	2%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0202	11.040	0.00000	8.2400	2.0547	0.65000	4	1.36	17%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0098	4.7500	0.50000	6.3183	1.3621	0.91250	4	-1.15	12%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0510	7.0000	0.00000	6.3183	1.3621	0.91250	4	0.50	5%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	2124	7.2050	0.53000	6.3183	1.3621	0.91250	4	0.65	7%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	2089	16.920	2.6200	6.3183	1.3621	0.91250	4	7.78	84%	0
022.44	Copper, ICP, Dry ash (mg / kg (ppm))	2114	5.4120	0.01790	6.6234	0.86453	0.27473	4	-1.40	9%	0
022.44	Copper, ICP, Dry ash (mg / kg (ppm))	2004	6.6200	0.26000	6.6234	0.86453	0.27473	4	0.00	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			
022.44	Copper, ICP, Dry ash (mg / kg (ppm))	0970	7.0950	0.13000	6.6234	0.86453	0.27473	4	0.55	4%	0
022.44	Copper, ICP, Dry ash (mg / kg (ppm))	0969	7.3665	0.69100	6.6234	0.86453	0.27473	4	0.86	6%	0
022.53	Copper, ICP-MS, Microwave (mg / kg (ppm))	2136	6.1350	0.03000	6.6750	0.58412	0.20333	3			0
022.53	Copper, ICP-MS, Microwave (mg / kg (ppm))	2023	6.5950	0.39000	6.6750	0.58412	0.20333	3			0
022.53	Copper, ICP-MS, Microwave (mg / kg (ppm))	0553	7.2950	0.19000	6.6750	0.58412	0.20333	3			0
024.99	Iodine, Miscellaneous (mg / kg (ppm))	0969	1.9935	0.12300	2.3828	0.34712	0.07100	3			0
024.99	Iodine, Miscellaneous (mg / kg (ppm))	0970	2.4950	0.07000	2.3828	0.34712	0.07100	3			0
024.99	Iodine, Miscellaneous (mg / kg (ppm))	2004	2.6600	0.02000	2.3828	0.34712	0.07100	3			0
025.32	Iron, AAS, Open vessel (mg / kg (ppm))	0035	743.50	15.000				2			0
025.32	Iron, AAS, Open vessel (mg / kg (ppm))	0504	747.15	9.1000				2			0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0171	546.50	7.0000	637.33	60.835	36.351	12	-1.49	7%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	2114	566.08	20.454	637.33	60.835	36.351	12	-1.17	6%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0969	575.56	10.650	637.33	60.835	36.351	12	-1.02	5%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0407	624.74	32.210	637.33	60.835	36.351	12	-0.21	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0098	628.60	38.200	637.33	60.835	36.351	12	-0.14	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0511	630.00	16.000	637.33	60.835	36.351	12	-0.12	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0051	648.00	50.000	637.33	60.835	36.351	12	0.18	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0164	669.00	2.0000	637.33	60.835	36.351	12	0.52	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0208	670.45	108.70	637.33	60.835	36.351	12	0.54	3%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0970	680.00	20.000	637.33	60.835	36.351	12	0.70	3%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	2004	680.50	69.000	637.33	60.835	36.351	12	0.71	3%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0074	729.00	62.000	637.33	60.835	36.351	12	1.51	7%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0613	651.93	209.75	705.64	57.327	136.58	3			0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0042	699.00	118.00	705.64	57.327	136.58	3			0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0035	766.00	82.000	705.64	57.327	136.58	3			0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0098	633.80	18.000	664.53	27.327	24.459	8	-1.12	2%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2033	644.50	11.000	664.53	27.327	24.459	8	-0.73	2%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0510	650.50	7.0000	664.53	27.327	24.459	8	-0.51	1%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2023	658.00	40.000	664.53	27.327	24.459	8	-0.24	0%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2124	659.00	2.0000	664.53	27.327	24.459	8	-0.20	0%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0034	674.55	46.500	664.53	27.327	24.459	8	0.37	1%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2089	690.39	34.170	664.53	27.327	24.459	8	0.95	2%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2136	729.50	37.000	664.53	27.327	24.459	8	2.38	5%	0
025.53	Iron, ICP-MS, Microwave (mg / kg (ppm))	0553	920.50	25.000				1			0
027.31	Magnesium, AAS, Dry ash (%)	0014	0.16950	0.01100				2			0
027.31	Magnesium, AAS, Dry ash (%)	0208	0.17550	0.00700				2			0
027.32	Magnesium, AAS, Open vessel (%)	0013	0.17500	0.01000	0.18100	0.00794	0.01067	3			0
027.32	Magnesium, AAS, Open vessel (%)	0504	0.17800	0.00200	0.18100	0.00794	0.01067	3			0
027.32	Magnesium, AAS, Open vessel (%)	0035	0.19000	0.02000	0.18100	0.00794	0.01067	3			0
027.33	Magnesium, AAS, Microwave (%)	0504	0.16700	0.00600				1			0
027.41	Magnesium, ICP, Dry ash (%)	0171	0.16300	0.00200	0.17149	0.00660	0.00383	8	-1.29	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0164	0.16700	0.00200	0.17149	0.00660	0.00383	8	-0.68	1%	0

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027.41	Magnesium, ICP, Dry ash (%)	0098	0.17000	0.00000	0.17149	0.00660	0.00383	8	-0.23	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0511	0.17000	0.00000	0.17149	0.00660	0.00383	8	-0.23	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0051	0.17105	0.00570	0.17149	0.00660	0.00383	8	-0.07	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0407	0.17145	0.00090	0.17149	0.00660	0.00383	8	-0.01	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0208	0.17800	0.01200	0.17149	0.00660	0.00383	8	0.99	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0074	0.18400	0.00800	0.17149	0.00660	0.00383	8	1.90	4%	0
027.42	Magnesium, ICP, Open vessel (%)	0042	0.15250	0.00900	0.16938	0.01197	0.00475	4	-1.41	5%	0
027.42	Magnesium, ICP, Open vessel (%)	0202	0.17000	0.00000	0.16938	0.01197	0.00475	4	0.05	0%	0
027.42	Magnesium, ICP, Open vessel (%)	0035	0.17500	0.01000	0.16938	0.01197	0.00475	4	0.47	2%	0
027.42	Magnesium, ICP, Open vessel (%)	0613	0.18000	0.00000	0.16938	0.01197	0.00475	4	0.89	3%	0
027.43	Magnesium, ICP, Microwave (%)	0510	0.16000	0.00000	0.17501	0.01025	0.00517	7	-1.47	4%	0
027.43	Magnesium, ICP, Microwave (%)	2136	0.16650	0.00300	0.17501	0.01025	0.00517	7	-0.83	2%	0
027.43	Magnesium, ICP, Microwave (%)	0098	0.17500	0.01000	0.17501	0.01025	0.00517	7	0.00	0%	0
027.43	Magnesium, ICP, Microwave (%)	2124	0.17500	0.01000	0.17501	0.01025	0.00517	7	0.00	0%	0
027.43	Magnesium, ICP, Microwave (%)	0027	0.18150	0.00300	0.17501	0.01025	0.00517	7	0.63	2%	0
027.43	Magnesium, ICP, Microwave (%)	0034	0.18210	0.00020	0.17501	0.01025	0.00517	7	0.69	2%	0
027.43	Magnesium, ICP, Microwave (%)	2089	0.18500	0.01000	0.17501	0.01025	0.00517	7	0.97	3%	0
027.44	Magnesium, ICP, Dry ash (%)	2114	0.14845	0.00330	0.16086	0.01127	0.31846	5	-1.10	4%	0
027.44	Magnesium, ICP, Dry ash (%)	2004	0.15450	0.00100	0.16086	0.01127	0.31846	5	-0.56	2%	0
027.44	Magnesium, ICP, Dry ash (%)	2023	0.16800	0.01000	0.16086	0.01127	0.31846	5	0.63	2%	0
027.44	Magnesium, ICP, Dry ash (%)	0970	0.17250	0.00300	0.16086	0.01127	0.31846	5	1.03	4%	0
027.44	Magnesium, ICP, Dry ash (%)	0969	0.95250	1.5750	0.16086	0.01127	0.31846	5	70.25	246%	0
027.52	Magnesium, ICP-MS, Open vessel (%)	0047	0.20700	0.00200				1			0
027.53	Magnesium, ICP-MS, Microwave (%)	0553	0.18350	0.02300				1			0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0208	14.550	1.1000				1			0
028.32	Manganese, AAS, Open vessel (mg / kg (ppm))	0504	19.795	1.1300				2			0
028.32	Manganese, AAS, Open vessel (mg / kg (ppm))	0035	24.000	2.0000				2			0
028.33	Manganese, AAS, Microwave (mg / kg (ppm))	0504	20.060	1.1200				1			0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0511	12.000	0.00000	14.799	1.7797	0.43708	8	-1.57	9%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0171	13.350	0.10000	14.799	1.7797	0.43708	8	-0.81	5%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0164	14.000	0.00000	14.799	1.7797	0.43708	8	-0.45	3%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0051	15.020	0.46000	14.799	1.7797	0.43708	8	0.12	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0208	15.045	1.2900	14.799	1.7797	0.43708	8	0.14	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0098	15.905	0.33000	14.799	1.7797	0.43708	8	0.62	4%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0074	16.000	0.00000	14.799	1.7797	0.43708	8	0.67	4%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0407	16.945	1.3166	14.799	1.7797	0.43708	8	1.21	7%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0042	16.400	5.0000	17.295	0.65470	2.2000	4	-1.37	3%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0613	17.320	2.8000	17.295	0.65470	2.2000	4	0.04	0%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0035	17.500	1.0000	17.295	0.65470	2.2000	4	0.31	1%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0202	17.960	0.00000	17.295	0.65470	2.2000	4	1.02	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0510	16.000	0.00000	18.040	1.7165	0.62400	5	-1.19	6%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2124	17.390	0.58000	18.040	1.7165	0.62400	5	-0.38	2%	0

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028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0098	17.500	1.0200	18.040	1.7165	0.62400	5	-0.31	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0027	18.735	0.99000	18.040	1.7165	0.62400	5	0.40	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2089	20.575	0.53000	18.040	1.7165	0.62400	5	1.48	7%	0
028.44	Manganese, ICP, Dry ash (mg / kg (ppm))	0969	15.146	0.08600	16.060	0.57188	0.48562	5	-1.60	3%	0
028.44	Manganese, ICP, Dry ash (mg / kg (ppm))	2004	15.900	0.60000	16.060	0.57188	0.48562	5	-0.28	0%	0
028.44	Manganese, ICP, Dry ash (mg / kg (ppm))	0970	16.250	0.30000	16.060	0.57188	0.48562	5	0.33	1%	0
028.44	Manganese, ICP, Dry ash (mg / kg (ppm))	2114	16.406	1.0421	16.060	0.57188	0.48562	5	0.60	1%	0
028.44	Manganese, ICP, Dry ash (mg / kg (ppm))	2023	16.600	0.40000	16.060	0.57188	0.48562	5	0.94	2%	0
028.52	Manganese, ICP-MS, Open vessel (mg / kg (ppm))	0047	18.330	0.50000				1			0
028.53	Manganese, ICP-MS, Microwave (mg / kg (ppm))	2136	17.100	1.0000				2			0
028.53	Manganese, ICP-MS, Microwave (mg / kg (ppm))	0553	18.950	1.7000				2			0
031.01	Phosphorus, Photometric (%)	2058	3.5000	0.10000	3.8000	0.21004	0.10400	5	-1.43	4%	0
031.01	Phosphorus, Photometric (%)	2115	3.8150	0.01000	3.8000	0.21004	0.10400	5	0.07	0%	0
031.01	Phosphorus, Photometric (%)	0035	3.9150	0.07000	3.8000	0.21004	0.10400	5	0.55	2%	0
031.01	Phosphorus, Photometric (%)	0208	3.9700	0.04000	3.8000	0.21004	0.10400	5	0.81	2%	0
031.01	Phosphorus, Photometric (%)	0511	4.5800	0.30000	3.8000	0.21004	0.10400	5	3.71	10%	0
031.03	Phosphorus, Autoanalyzer (%)	0504	3.8450	0.11000				2			0
031.03	Phosphorus, Autoanalyzer (%)	0047	3.9350	0.89000				2			0
031.41	Phosphorus, ICP, Dry ash (%)	0074	3.6150	0.63000	3.8501	0.20438	0.17919	7	-1.15	3%	0
031.41	Phosphorus, ICP, Dry ash (%)	0098	3.6530	0.03800	3.8501	0.20438	0.17919	7	-0.96	3%	0
031.41	Phosphorus, ICP, Dry ash (%)	0208	3.8325	0.18500	3.8501	0.20438	0.17919	7	-0.09	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0164	3.8400	0.02000	3.8501	0.20438	0.17919	7	-0.05	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0171	3.9200	0.06000	3.8501	0.20438	0.17919	7	0.34	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0051	3.9462	0.04470	3.8501	0.20438	0.17919	7	0.47	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0407	4.1438	0.27660	3.8501	0.20438	0.17919	7	1.44	4%	0
031.42	Phosphorus, ICP, Open vessel (%)	0042	3.3200	0.32000	3.8147	0.19282	0.17650	6	-2.57	6%	0
031.42	Phosphorus, ICP, Open vessel (%)	0035	3.7350	0.47000	3.8147	0.19282	0.17650	6	-0.41	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0202	3.7900	0.04000	3.8147	0.19282	0.17650	6	-0.13	0%	0
031.42	Phosphorus, ICP, Open vessel (%)	0613	3.9150	0.03000	3.8147	0.19282	0.17650	6	0.52	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0014	3.9400	0.14000	3.8147	0.19282	0.17650	6	0.65	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0504	3.9825	0.05900	3.8147	0.19282	0.17650	6	0.87	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0510	3.5750	0.01000	3.9173	0.16394	0.12648	8	-2.09	4%	0
031.43	Phosphorus, ICP, Microwave (%)	0033	3.8050	0.07000	3.9173	0.16394	0.12648	8	-0.68	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0034	3.8268	0.01780	3.9173	0.16394	0.12648	8	-0.55	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0098	3.9500	0.20400	3.9173	0.16394	0.12648	8	0.20	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0027	3.9500	0.06000	3.9173	0.16394	0.12648	8	0.20	0%	0
031.43	Phosphorus, ICP, Microwave (%)	2124	3.9700	0.14000	3.9173	0.16394	0.12648	8	0.32	1%	0
031.43	Phosphorus, ICP, Microwave (%)	2089	4.0300	0.16000	3.9173	0.16394	0.12648	8	0.69	1%	0
031.43	Phosphorus, ICP, Microwave (%)	2033	4.1350	0.35000	3.9173	0.16394	0.12648	8	1.33	3%	0
031.44	Phosphorus, ICP, Dry ash (%)	2004	3.3050	0.21000	3.6750	0.44383	0.14698	5	-0.83	5%	0
031.44	Phosphorus, ICP, Dry ash (%)	0969	3.3535	0.19100	3.6750	0.44383	0.14698	5	-0.72	4%	0
031.44	Phosphorus, ICP, Dry ash (%)	2114	3.4464	0.01390	3.6750	0.44383	0.14698	5	-0.52	3%	0

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031.44	Phosphorus, ICP, Dry ash (%)	0970	3.9450	0.17000	3.6750	0.44383	0.14698	5	0.61	4%	0
031.44	Phosphorus, ICP, Dry ash (%)	2023	4.3250	0.15000	3.6750	0.44383	0.14698	5	1.46	9%	0
031.53	Phosphorus, ICP-MS, Microwave (%)	0553	3.8500	0.34000				2			0
031.53	Phosphorus, ICP-MS, Microwave (%)	2136	3.9950	0.37000				2			0
032.02	Potassium, Flame Emission (%)	0504	0.50500	0.01000				2			0
032.02	Potassium, Flame Emission (%)	0047	0.54500	0.25000				2			0
032.31	Potassium, AAS, Dry ash (%)	0014	0.49050	0.03500				2			0
032.31	Potassium, AAS, Dry ash (%)	0208	0.50700	0.00200				2			0
032.32	Potassium, AAS, Open vessel (%)	0035	0.61000	0.02000				1			0
032.41	Potassium, ICP, Dry ash (%)	0171	0.44150	0.00300	0.50577	0.04731	0.01023	7	-1.36	6%	0
032.41	Potassium, ICP, Dry ash (%)	0511	0.46500	0.01000	0.50577	0.04731	0.01023	7	-0.86	4%	0
032.41	Potassium, ICP, Dry ash (%)	0051	0.49340	0.00760	0.50577	0.04731	0.01023	7	-0.26	1%	0
032.41	Potassium, ICP, Dry ash (%)	0164	0.51000	0.00000	0.50577	0.04731	0.01023	7	0.09	0%	0
032.41	Potassium, ICP, Dry ash (%)	0208	0.53550	0.02100	0.50577	0.04731	0.01023	7	0.63	3%	0
032.41	Potassium, ICP, Dry ash (%)	0074	0.54000	0.02000	0.50577	0.04731	0.01023	7	0.72	3%	0
032.41	Potassium, ICP, Dry ash (%)	0098	0.55500	0.01000	0.50577	0.04731	0.01023	7	1.04	5%	0
032.41	Potassium, ICP, Dry ash (%)	0407	0.52840	0.06720	0.50577	0.04731	0.01023	7	0.48	2%	1
032.42	Potassium, ICP, Open vessel (%)	0035	0.49500	0.03000	0.53650	0.02834	0.03260	5	-1.46	4%	0
032.42	Potassium, ICP, Open vessel (%)	0042	0.52450	0.07900	0.53650	0.02834	0.03260	5	-0.42	1%	0
032.42	Potassium, ICP, Open vessel (%)	0202	0.54000	0.00000	0.53650	0.02834	0.03260	5	0.12	0%	0
032.42	Potassium, ICP, Open vessel (%)	0613	0.55500	0.05000	0.53650	0.02834	0.03260	5	0.65	2%	0
032.42	Potassium, ICP, Open vessel (%)	0504	0.56800	0.00400	0.53650	0.02834	0.03260	5	1.11	3%	0
032.43	Potassium, ICP, Microwave (%)	2136	0.49000	0.02800	0.53477	0.04354	0.01739	8	-1.03	4%	0
032.43	Potassium, ICP, Microwave (%)	0034	0.49365	0.00810	0.53477	0.04354	0.01739	8	-0.94	4%	0
032.43	Potassium, ICP, Microwave (%)	0510	0.50000	0.00000	0.53477	0.04354	0.01739	8	-0.80	3%	0
032.43	Potassium, ICP, Microwave (%)	2124	0.53500	0.01000	0.53477	0.04354	0.01739	8	0.01	0%	0
032.43	Potassium, ICP, Microwave (%)	0027	0.53700	0.02800	0.53477	0.04354	0.01739	8	0.05	0%	0
032.43	Potassium, ICP, Microwave (%)	2033	0.55250	0.00500	0.53477	0.04354	0.01739	8	0.41	2%	0
032.43	Potassium, ICP, Microwave (%)	0098	0.58000	0.02000	0.53477	0.04354	0.01739	8	1.04	4%	0
032.43	Potassium, ICP, Microwave (%)	2089	0.59000	0.04000	0.53477	0.04354	0.01739	8	1.27	5%	0
032.44	Potassium, ICP, Dry ash (%)	2004	0.49150	0.02700	0.51203	0.01626	0.01138	5	-1.26	2%	0
032.44	Potassium, ICP, Dry ash (%)	0969	0.50150	0.00300	0.51203	0.01626	0.01138	5	-0.65	1%	0
032.44	Potassium, ICP, Dry ash (%)	2114	0.51565	0.01390	0.51203	0.01626	0.01138	5	0.22	0%	0
032.44	Potassium, ICP, Dry ash (%)	0970	0.51750	0.01300	0.51203	0.01626	0.01138	5	0.34	1%	0
032.44	Potassium, ICP, Dry ash (%)	2023	0.53400	0.00000	0.51203	0.01626	0.01138	5	1.35	2%	0
032.53	Potassium, ICP-MS, Microwave (%)	0553	0.56750	0.01100				1			0
033.00	Salt as chloride, Sol Cl (%)	0504	0.76500	0.09000				2			0
033.00	Salt as chloride, Sol Cl (%)	0309	0.78725	0.00190				2			0
033.01	Salt as chloride, Poten Cl (%)	0407	0.76450	0.00100	0.79738	0.02279	0.00775	4	-1.44	2%	0
033.01	Salt as chloride, Poten Cl (%)	0510	0.80000	0.02000	0.79738	0.02279	0.00775	4	0.12	0%	0
033.01	Salt as chloride, Poten Cl (%)	0098	0.81000	0.00000	0.79738	0.02279	0.00775	4	0.55	1%	0
033.01	Salt as chloride, Poten Cl (%)	2023	0.81500	0.01000	0.79738	0.02279	0.00775	4	0.77	1%	0

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033.99	Salt, Miscellaneous (%)	2033	0.75250	0.02500	0.79263	0.04420	0.03860	3			0
033.99	Salt, Miscellaneous (%)	0613	0.78540	0.03080	0.79263	0.04420	0.03860	3			0
033.99	Salt, Miscellaneous (%)	0171	0.84000	0.06000	0.79263	0.04420	0.03860	3			0
034.01	Selenium, Fluor (mg / kg (ppm))	0098	1.2200	0.12000				1			0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0164	1.3100	0.04000				1			0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	2124	0.82000	0.50000				1			0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0553	1.2300	0.08000				2			0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	2023	1.4000	0.40000				2			0
034.99	Selenium, Miscellaneous (mg / kg (ppm))	2004	1.0125	0.07500	1.0592	0.04726	0.22900	3			0
034.99	Selenium, Miscellaneous (mg / kg (ppm))	0969	1.0580	0.24600	1.0592	0.04726	0.22900	3			0
034.99	Selenium, Miscellaneous (mg / kg (ppm))	0970	1.1070	0.36600	1.0592	0.04726	0.22900	3			0
035.05	Sodium, Flame Emission (%)	0504	0.76500	0.01000				1			0
035.31	Sodium, AAS, Dry ash (%)	0208	0.71400	0.02000				2			0
035.31	Sodium, AAS, Dry ash (%)	0014	0.72650	0.04100				2			0
035.32	Sodium, AAS, Open vessel (%)	0035	0.76500	0.01000				1			0
035.41	Sodium, ICP, Dry ash (%)	2114	0.39045	0.00930	0.69658	0.04695	0.01925	13	-6.52	22%	0
035.41	Sodium, ICP, Dry ash (%)	0969	0.63650	0.00500	0.69658	0.04695	0.01925	13	-1.28	4%	0
035.41	Sodium, ICP, Dry ash (%)	0171	0.65750	0.00500	0.69658	0.04695	0.01925	13	-0.83	3%	0
035.41	Sodium, ICP, Dry ash (%)	2004	0.66150	0.02900	0.69658	0.04695	0.01925	13	-0.75	3%	0
035.41	Sodium, ICP, Dry ash (%)	0511	0.68500	0.03000	0.69658	0.04695	0.01925	13	-0.25	1%	0
035.41	Sodium, ICP, Dry ash (%)	0003	0.70000	0.00000	0.69658	0.04695	0.01925	13	0.07	0%	0
035.41	Sodium, ICP, Dry ash (%)	0407	0.70555	0.02390	0.69658	0.04695	0.01925	13	0.19	1%	0
035.41	Sodium, ICP, Dry ash (%)	0164	0.70900	0.00400	0.69658	0.04695	0.01925	13	0.26	1%	0
035.41	Sodium, ICP, Dry ash (%)	2023	0.71300	0.01200	0.69658	0.04695	0.01925	13	0.35	1%	0
035.41	Sodium, ICP, Dry ash (%)	2122	0.73085	0.04710	0.69658	0.04695	0.01925	13	0.73	2%	0
035.41	Sodium, ICP, Dry ash (%)	0970	0.73100	0.00600	0.69658	0.04695	0.01925	13	0.73	2%	0
035.41	Sodium, ICP, Dry ash (%)	0208	0.73250	0.05900	0.69658	0.04695	0.01925	13	0.76	3%	0
035.41	Sodium, ICP, Dry ash (%)	0098	0.77000	0.02000	0.69658	0.04695	0.01925	13	1.56	5%	0
035.41	Sodium, ICP, Dry ash (%)	0051	0.76640	0.12420	0.69658	0.04695	0.01925	13	1.49	5%	1
035.42	Sodium, ICP, Open vessel (%)	0042	0.65200	0.00200	0.71910	0.06143	0.02140	5	-1.09	5%	0
035.42	Sodium, ICP, Open vessel (%)	0035	0.65500	0.05000	0.71910	0.06143	0.02140	5	-1.04	4%	0
035.42	Sodium, ICP, Open vessel (%)	0202	0.75000	0.00000	0.71910	0.06143	0.02140	5	0.50	2%	0
035.42	Sodium, ICP, Open vessel (%)	0504	0.75350	0.04500	0.71910	0.06143	0.02140	5	0.56	2%	0
035.42	Sodium, ICP, Open vessel (%)	0613	0.78500	0.01000	0.71910	0.06143	0.02140	5	1.07	5%	0
035.43	Sodium, ICP, Microwave (%)	0510	0.66700	0.00400	0.74368	0.03511	0.01883	9	-2.18	5%	0
035.43	Sodium, ICP, Microwave (%)	2136	0.70750	0.00900	0.74368	0.03511	0.01883	9	-1.03	2%	0
035.43	Sodium, ICP, Microwave (%)	0034	0.73515	0.04150	0.74368	0.03511	0.01883	9	-0.24	1%	0
035.43	Sodium, ICP, Microwave (%)	2089	0.74000	0.00000	0.74368	0.03511	0.01883	9	-0.10	0%	0
035.43	Sodium, ICP, Microwave (%)	0027	0.74050	0.02300	0.74368	0.03511	0.01883	9	-0.09	0%	0
035.43	Sodium, ICP, Microwave (%)	0033	0.74700	0.02800	0.74368	0.03511	0.01883	9	0.09	0%	0
035.43	Sodium, ICP, Microwave (%)	2124	0.77000	0.02000	0.74368	0.03511	0.01883	9	0.75	2%	0
035.43	Sodium, ICP, Microwave (%)	0098	0.78000	0.02000	0.74368	0.03511	0.01883	9	1.03	2%	0

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035.43	Sodium, ICP, Microwave (%)	2033	0.78200	0.02400	0.74368	0.03511	0.01883	9	1.09	3%	0
035.53	Sodium, ICP-MS, Microwave (%)	0553	0.79200	0.00400				1			0
036.04	Sulfur, LECO (%)	0098	0.47500	0.01000				1			0
036.42	Sulfur, ICP, Open vessel (%)	0164	0.47500	0.01000	0.51736	0.03301	0.00644	5	-1.28	4%	0
036.42	Sulfur, ICP, Open vessel (%)	0202	0.50000	0.00000	0.51736	0.03301	0.00644	5	-0.53	2%	0
036.42	Sulfur, ICP, Open vessel (%)	0407	0.51530	0.00120	0.51736	0.03301	0.00644	5	-0.06	0%	0
036.42	Sulfur, ICP, Open vessel (%)	0035	0.53500	0.01000	0.51736	0.03301	0.00644	5	0.53	2%	0
036.42	Sulfur, ICP, Open vessel (%)	0171	0.56150	0.01100	0.51736	0.03301	0.00644	5	1.34	4%	0
036.42	Sulfur, ICP, Open vessel (%)	0613	0.47500	0.05000	0.51736	0.03301	0.00644	5	-1.28	4%	1
036.43	Sulfur, ICP, Microwave (%)	0098	0.54875	0.01290	0.60544	0.05807	0.01823	4	-0.98	5%	0
036.43	Sulfur, ICP, Microwave (%)	0510	0.57000	0.00000	0.60544	0.05807	0.01823	4	-0.61	3%	0
036.43	Sulfur, ICP, Microwave (%)	2089	0.62500	0.03000	0.60544	0.05807	0.01823	4	0.34	2%	0
036.43	Sulfur, ICP, Microwave (%)	2033	0.67800	0.03000	0.60544	0.05807	0.01823	4	1.25	6%	0
037.32	Zinc, AAS, Open vessel (mg / kg (ppm))	0504	88.925	5.4900				2			0
037.32	Zinc, AAS, Open vessel (mg / kg (ppm))	0035	97.000	2.0000				2			0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0171	50.500	0.80000	66.860	14.693	2.6685	7	-1.11	12%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0511	50.500	5.0000	66.860	14.693	2.6685	7	-1.11	12%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0164	65.000	2.0000	66.860	14.693	2.6685	7	-0.13	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0098	66.730	3.4400	66.860	14.693	2.6685	7	-0.01	0%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0051	72.535	3.1500	66.860	14.693	2.6685	7	0.39	4%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0208	78.660	2.3400	66.860	14.693	2.6685	7	0.80	9%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0407	84.095	1.9497	66.860	14.693	2.6685	7	1.17	13%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0074	108.50	63.000	66.860	14.693	2.6685	7	2.83	31%	1
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0042	86.450	6.1000	90.650	3.8461	13.293	4	-1.09	2%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0613	91.055	38.090	90.650	3.8461	13.293	4	0.11	0%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0202	91.500	0.98000	90.650	3.8461	13.293	4	0.22	0%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0035	94.000	8.0000	90.650	3.8461	13.293	4	0.87	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0510	86.500	1.0000	91.021	5.1760	2.7700	5	-0.87	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2023	86.550	2.5000	91.021	5.1760	2.7700	5	-0.86	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2124	88.925	0.97000	91.021	5.1760	2.7700	5	-0.40	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2089	95.905	3.6300	91.021	5.1760	2.7700	5	0.94	3%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0098	97.225	5.7500	91.021	5.1760	2.7700	5	1.20	3%	0
037.44	Zinc, ICP, Dry ash (mg / kg (ppm))	2114	74.366	0.88430	81.047	4.5996	1.7558	4	-1.45	4%	0
037.44	Zinc, ICP, Dry ash (mg / kg (ppm))	0969	81.674	3.6390	81.047	4.5996	1.7558	4	0.14	0%	0
037.44	Zinc, ICP, Dry ash (mg / kg (ppm))	2004	83.850	1.7000	81.047	4.5996	1.7558	4	0.61	2%	0
037.44	Zinc, ICP, Dry ash (mg / kg (ppm))	0970	84.300	0.80000	81.047	4.5996	1.7558	4	0.71	2%	0
037.53	Zinc, ICP-MS, Microwave (mg / kg (ppm))	2136	77.950	0.70000				2			0
037.53	Zinc, ICP-MS, Microwave (mg / kg (ppm))	0553	99.750	8.5000				2			0
038.31	Molybdenum, AAS, Dry ash (mg / kg (ppm))	0164	1.7000	0.00000				1			0
038.41	Molybdenum, ICP, Dry ash (mg / kg (ppm))	0171	0.40000	0.00000				1			0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0510	0.60000	0.00000				1			0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	2023	0.59500	0.01000	0.59525	0.00035	0.01900	3			0

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038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	2136	0.59550	0.03100	0.59525	0.00035	0.01900	3		0	
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	0553	0.63500	0.01600	0.59525	0.00035	0.01900	3		0	
041.53	Vanadium, ICP-MS, Microwave (mg / kg (ppm))	0553	1.9750	0.21000				1		0	
042.00	Chloride, Titrimetric (%)	2004	0.48750	0.00100				2		0	
042.00	Chloride, Titrimetric (%)	0969	0.48800	0.00800				2		0	
042.99	Chloride, Miscellaneous (%)	0970	0.48500	0.00200				2		0	
042.99	Chloride, Miscellaneous (%)	0613	0.51000	0.02000				2		0	
101.01	Choline Chloride, Chem (mg / kg (ppm))	2004	847.50	7.0000				2		0	
101.01	Choline Chloride, Chem (mg / kg (ppm))	0969	970.00	26.000				2		0	
101.02	Choline Chloride, LC (mg / kg (ppm))	0227	1,802.5	67.000				1		0	
102.01	Niacin, Microbiological (mg / kg (ppm))	0969	72.100	2.2000				2		0	
102.01	Niacin, Microbiological (mg / kg (ppm))	2004	87.950	2.3000				2		0	
103.02	Pantothenic Acid, LC (mg / kg (ppm))	2004	9.6500	0.10000				2		0	
103.02	Pantothenic Acid, LC (mg / kg (ppm))	0969	10.550	0.10000				2		0	
104.02	Riboflavin, Microbiological, Turbidity (mg / kg (ppm))	2004	8.9500	0.10000				2		0	
104.02	Riboflavin, Microbiological, Turbidity (mg / kg (ppm))	0969	10.300	1.0000				2		0	
104.03	Riboflavin, LC (mg / kg (ppm))	2023	8.4000	0.00000				1		0	
105.00	Thiamine, LC (mg / kg (ppm))	2023	0.60000	0.00000				1		0	
105.99	Thiamine, Miscellaneous (mg / kg (ppm))	0969	0.00000	0.00000				0		4	
105.99	Thiamine, Miscellaneous (mg / kg (ppm))	2004	0.00000	0.00000				0		4	
106.02	Vitamin A, LC (KU / kg)	2023	0.27700	0.03400				2		0	
106.02	Vitamin A, LC (KU / kg)	2114	1.6151	0.10210				2		0	
106.02	Vitamin A, LC (KU / kg)	0969	0.00000	0.00000				2		4	
106.02	Vitamin A, LC (KU / kg)	0970	0.00000	0.00000				2		4	
106.02	Vitamin A, LC (KU / kg)	2004	0.00000	0.00000				2		4	
107.00	Vitamin B12, Microbiological (µg / kg (ppb))	2004	169.50	9.0000				2		0	
107.00	Vitamin B12, Microbiological (µg / kg (ppb))	0969	179.50	3.0000				2		0	
108.01	Vitamin D3, LC, AOAC (KU / kg)	2023	0.45500	0.01000				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 (IU/kg)	0969	10.750	0.70000	12.375	2.2981	69.317	3		0	
109.02	Vitamin E, LC (IU/kg)	2023	14.000	2.0000	12.375	2.2981	69.317	3		0	
109.02	Vitamin E, LC (IU/kg)	2114	5,463.2	205.25	12.375	2.2981	69.317	3		0	
109.02	Vitamin E, LC (IU/kg)	0970	0.00000	0.00000	12.375	2.2981	69.317	3		4	
109.02	Vitamin E, LC (IU/kg)	2004	0.00000	0.00000	12.375	2.2981	69.317	3		4	
112.00	Pyridoxine, Vitamin B6 (µg / g)	0969	0.53500	0.01000				2		0	
112.00	Pyridoxine, Vitamin B6 (µg / g)	2004	0.59500	0.03000				2		0	
113.01	Folic Acid, Micro (mg / kg (ppm))	0969	0.49300	0.07200				2		0	
113.01	Folic Acid, Micro (mg / kg (ppm))	2004	0.54900	0.03800				2		0	
114.01	Biotin, Microbiological (mg / kg (ppm))	0969	0.12650	0.00300				2		0	
114.01	Biotin, Microbiological (mg / kg (ppm))	2004	0.14450	0.01300				2		0	

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120.00	Alanine, Post-col Ninhydrin Der (%)	0171	3.8000	0.02000	3.8517	0.06898	0.04333	3		0	
120.00	Alanine, Post-col Ninhydrin Der (%)	0227	3.8250	0.05000	3.8517	0.06898	0.04333	3		0	
120.00	Alanine, Post-col Ninhydrin Der (%)	0504	3.9300	0.06000	3.8517	0.06898	0.04333	3		0	
120.01	Alanine, Pre-col OPA Der (%)	0969	3.8085	0.00300	3.8662	0.06722	0.04100	3		0	
120.01	Alanine, Pre-col OPA Der (%)	2004	3.8500	0.04000	3.8662	0.06722	0.04100	3		0	
120.01	Alanine, Pre-col OPA Der (%)	0970	3.9400	0.08000	3.8662	0.06722	0.04100	3		0	
120.02	Alanine, Post-col OPA Der (%)	2023	3.8100	0.10000				1		0	
121.00	Arginine, Post-col Ninhydrin Der (%)	0227	3.8750	0.03000	3.9467	0.07251	0.10000	3		0	
121.00	Arginine, Post-col Ninhydrin Der (%)	0504	3.9450	0.19000	3.9467	0.07251	0.10000	3		0	
121.00	Arginine, Post-col Ninhydrin Der (%)	0171	4.0200	0.08000	3.9467	0.07251	0.10000	3		0	
121.01	Arginine, Pre-col OPA Der (%)	0969	3.8025	0.00500	3.9325	0.11283	0.05833	3		0	
121.01	Arginine, Pre-col OPA Der (%)	2004	3.9900	0.10000	3.9325	0.11283	0.05833	3		0	
121.01	Arginine, Pre-col OPA Der (%)	0970	4.0050	0.07000	3.9325	0.11283	0.05833	3		0	
121.02	Arginine, Post-col OPA Der (%)	2023	3.8150	0.09000				1		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0504	4.1050	0.09000	4.6200	0.79864	0.06667	3		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0227	4.2150	0.07000	4.6200	0.79864	0.06667	3		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0171	5.5400	0.04000	4.6200	0.79864	0.06667	3		0	
122.01	Aspartic, Pre-col OPA Der (%)	0970	4.1100	0.08000	4.1208	0.01283	0.07833	3		0	
122.01	Aspartic, Pre-col OPA Der (%)	0969	4.1175	0.00500	4.1208	0.01283	0.07833	3		0	
122.01	Aspartic, Pre-col OPA Der (%)	2004	4.1350	0.15000	4.1208	0.01283	0.07833	3		0	
122.02	Aspartic, Post-col OPA Der (%)	2023	4.1500	0.04000				1		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydry (%)	0227	0.50000	0.04000	0.54833	0.04193	0.03000	3		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydry (%)	0504	0.57000	0.00000	0.54833	0.04193	0.03000	3		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydry (%)	0171	0.57500	0.05000	0.54833	0.04193	0.03000	3		0	
124.01	Cysteine/Cystine, PAO Pre-col OPA Der (%)	0969	0.45650	0.01300	0.51517	0.06592	0.02833	3		0	
124.01	Cysteine/Cystine, PAO Pre-col OPA Der (%)	2004	0.50250	0.00900	0.51517	0.06592	0.02833	3		0	
124.01	Cysteine/Cystine, PAO Pre-col OPA Der (%)	0970	0.58650	0.06300	0.51517	0.06592	0.02833	3		0	
124.02	Cysteine/Cystine, PAO Post-col OPA Der (%)	2023	0.62000	0.02000				1		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0227	6.9450	0.07000	6.9550	0.01414	0.17000	3		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0504	6.9650	0.41000	6.9550	0.01414	0.17000	3		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0171	8.1350	0.03000	6.9550	0.01414	0.17000	3		0	
125.01	Glutamic, Pre-col OPA Der (%)	2004	6.5350	0.23000	6.6013	0.05762	0.11067	3		0	
125.01	Glutamic, Pre-col OPA Der (%)	0970	6.6300	0.10000	6.6013	0.05762	0.11067	3		0	
125.01	Glutamic, Pre-col OPA Der (%)	0969	6.6390	0.00200	6.6013	0.05762	0.11067	3		0	
125.02	Glutamic, Post-col OPA Der (%)	2023	6.7900	0.30000				1		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0171	6.9750	0.23000	7.0117	0.04368	0.14333	3		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0504	7.0000	0.18000	7.0117	0.04368	0.14333	3		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0227	7.0600	0.02000	7.0117	0.04368	0.14333	3		0	
126.01	Glycine, Pre-col OPA Der (%)	0969	6.2705	0.00100	6.6318	0.33426	0.16367	3		0	
126.01	Glycine, Pre-col OPA Der (%)	2004	6.6950	0.17000	6.6318	0.33426	0.16367	3		0	
126.01	Glycine, Pre-col OPA Der (%)	0970	6.9300	0.32000	6.6318	0.33426	0.16367	3		0	
126.02	Glycine, Post-col OPA Der (%)	2023	6.6800	0.16000				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			
127.00	Histidine, Post-col Ninhydrin Der (%)	0504	0.96000	0.00000	1.0567	0.14224	0.03333	3		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0227	0.99000	0.06000	1.0567	0.14224	0.03333	3		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0171	1.2200	0.04000	1.0567	0.14224	0.03333	3		0	
127.01	Histidine, Pre-col OPA Der (%)	2004	0.81400	0.00400	0.85633	0.04153	0.02600	3		0	
127.01	Histidine, Pre-col OPA Der (%)	0969	0.85800	0.04800	0.85633	0.04153	0.02600	3		0	
127.01	Histidine, Pre-col OPA Der (%)	0970	0.89700	0.02600	0.85633	0.04153	0.02600	3		0	
127.02	Histidine, Post-col OPA Der (%)	2023	1.0250	0.01000				1		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0171	1.6350	0.07000	1.6600	0.03905	0.05333	3		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0227	1.6400	0.06000	1.6600	0.03905	0.05333	3		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0504	1.7050	0.03000	1.6600	0.03905	0.05333	3		0	
128.01	Isoleucine, Pre-col OPA Der (%)	0970	1.6150	0.01000	1.6540	0.03851	0.02800	3		0	
128.01	Isoleucine, Pre-col OPA Der (%)	2004	1.6550	0.07000	1.6540	0.03851	0.02800	3		0	
128.01	Isoleucine, Pre-col OPA Der (%)	0969	1.6920	0.00400	1.6540	0.03851	0.02800	3		0	
128.02	Isoleucine, Post-col OPA Der (%)	2023	1.4750	0.01000				1		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0227	3.5150	0.11000	3.5467	0.02754	0.08000	3		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0504	3.5600	0.08000	3.5467	0.02754	0.08000	3		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0171	3.5650	0.05000	3.5467	0.02754	0.08000	3		0	
129.01	Leucine, Pre-col OPA Der (%)	0969	3.3805	0.00100	3.4302	0.07382	0.06033	3		0	
129.01	Leucine, Pre-col OPA Der (%)	0970	3.3950	0.05000	3.4302	0.07382	0.06033	3		0	
129.01	Leucine, Pre-col OPA Der (%)	2004	3.5150	0.13000	3.4302	0.07382	0.06033	3		0	
129.02	Leucine, Post-col OPA Der (%)	2023	3.4000	0.06000				1		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0227	3.0550	0.05000	3.2533	0.27324	0.02667	3		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0504	3.1400	0.00000	3.2533	0.27324	0.02667	3		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0171	3.5650	0.03000	3.2533	0.27324	0.02667	3		0	
130.01	L-Lysine, Pre-col OPA Der (%)	0969	2.8010	0.00200	2.8620	0.08971	0.05733	3		0	
130.01	L-Lysine, Pre-col OPA Der (%)	0970	2.8200	0.04000	2.8620	0.08971	0.05733	3		0	
130.01	L-Lysine, Pre-col OPA Der (%)	2004	2.9650	0.13000	2.8620	0.08971	0.05733	3		0	
130.02	L-Lysine, Post-col OPA Der (%)	2023	2.9450	0.01000				1		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0227	0.82500	0.01000	0.82750	0.00354	25.080	3		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0504	0.83000	0.02000	0.82750	0.00354	25.080	3		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0171	38.395	75.210	0.82750	0.00354	25.080	3		0	
131.01	Methionine, PAO Pre-col OPA Der (%)	0970	0.80750	0.04100	0.87633	0.07336	0.02800	3		0	
131.01	Methionine, PAO Pre-col OPA Der (%)	2004	0.86800	0.03400	0.87633	0.07336	0.02800	3		0	
131.01	Methionine, PAO Pre-col OPA Der (%)	0969	0.95350	0.00900	0.87633	0.07336	0.02800	3		0	
131.02	Methionine, PAO Post-col OPA Der (%)	2023	0.83000	0.00000				1		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0227	1.9200	0.08000	1.9400	0.02646	0.04667	3		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0504	1.9300	0.00000	1.9400	0.02646	0.04667	3		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0171	1.9700	0.06000	1.9400	0.02646	0.04667	3		0	
132.01	Phenylalanine, Pre-col OPA Der (%)	0969	1.8500	0.00000	1.8617	0.01607	0.03667	3		0	
132.01	Phenylalanine, Pre-col OPA Der (%)	0970	1.8550	0.07000	1.8617	0.01607	0.03667	3		0	
132.01	Phenylalanine, Pre-col OPA Der (%)	2004	1.8800	0.04000	1.8617	0.01607	0.03667	3		0	
132.02	Phenylalanine, Post-col OPA Der (%)	2023	1.8900	0.06000				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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133.00	Proline, Post-col Ninhydrin Der (%)	0504	4.0850	0.09000	4.3933	0.31521	0.11333	3			0
133.00	Proline, Post-col Ninhydrin Der (%)	0227	4.3800	0.04000	4.3933	0.31521	0.11333	3			0
133.00	Proline, Post-col Ninhydrin Der (%)	0171	4.7150	0.21000	4.3933	0.31521	0.11333	3			0
133.04	Proline, Pre-col FMOC Der (%)	2004	4.2700	0.06000				1			0
133.99	Proline, Miscellaneous (%)	0969	3.9705	0.00100	4.3285	0.41277	0.02367	3			0
133.99	Proline, Miscellaneous (%)	0970	4.2350	0.01000	4.3285	0.41277	0.02367	3			0
133.99	Proline, Miscellaneous (%)	2023	4.7800	0.06000	4.3285	0.41277	0.02367	3			0
134.00	Serine, Post-col Ninhydrin Der (%)	0504	2.0900	0.34000	2.3425	0.07425	0.13000	3			0
134.00	Serine, Post-col Ninhydrin Der (%)	0227	2.2900	0.02000	2.3425	0.07425	0.13000	3			0
134.00	Serine, Post-col Ninhydrin Der (%)	0171	2.3950	0.03000	2.3425	0.07425	0.13000	3			0
134.01	Serine, Pre-col OPA Der (%)	0969	2.2290	0.00200	2.2313	0.00321	0.03067	3			0
134.01	Serine, Pre-col OPA Der (%)	2004	2.2300	0.06000	2.2313	0.00321	0.03067	3			0
134.01	Serine, Pre-col OPA Der (%)	0970	2.2350	0.03000	2.2313	0.00321	0.03067	3			0
134.02	Serine, Post-col OPA Der (%)	2023	2.3150	0.03000				1			0
135.00	Threonine, Post-col Ninhydrin Der (%)	0171	1.9200	0.06000	1.9600	0.05292	0.06000	3			0
135.00	Threonine, Post-col Ninhydrin Der (%)	0504	1.9400	0.06000	1.9600	0.05292	0.06000	3			0
135.00	Threonine, Post-col Ninhydrin Der (%)	0227	2.0200	0.06000	1.9600	0.05292	0.06000	3			0
135.01	Threonine, Pre-col OPA Der (%)	0969	1.9405	0.00100	1.9768	0.04348	0.04033	3			0
135.01	Threonine, Pre-col OPA Der (%)	0970	1.9650	0.05000	1.9768	0.04348	0.04033	3			0
135.01	Threonine, Pre-col OPA Der (%)	2004	2.0250	0.07000	1.9768	0.04348	0.04033	3			0
135.02	Threonine, Post-col OPA Der (%)	2023	1.9700	0.02000				1			0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0227	0.43000	0.02000				1			0
136.02	Tryptophan, Alka-Hydrol Post-col OPA De (%)	2023	0.40500	0.01000				1			0
136.99	Tryptophan, Miscellaneous (%)	2004	0.38100	0.01000	0.39900	0.01882	0.02400	4	-0.96	2%	0
136.99	Tryptophan, Miscellaneous (%)	0970	0.38450	0.02100	0.39900	0.01882	0.02400	4	-0.77	2%	0
136.99	Tryptophan, Miscellaneous (%)	0504	0.41500	0.03000	0.39900	0.01882	0.02400	4	0.85	2%	0
136.99	Tryptophan, Miscellaneous (%)	0969	0.41550	0.03500	0.39900	0.01882	0.02400	4	0.88	2%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0227	1.3750	0.09000	1.4300	0.07089	0.05333	3			0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0504	1.4050	0.03000	1.4300	0.07089	0.05333	3			0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0171	1.5100	0.04000	1.4300	0.07089	0.05333	3			0
137.01	Tyrosine, Pre-col OPA Der (%)	0970	1.4250	0.05000	1.4597	0.03500	0.04067	3			0
137.01	Tyrosine, Pre-col OPA Der (%)	0969	1.4590	0.00200	1.4597	0.03500	0.04067	3			0
137.01	Tyrosine, Pre-col OPA Der (%)	2004	1.4950	0.07000	1.4597	0.03500	0.04067	3			0
137.02	Tyrosine, Post-col OPA Der (%)	2023	1.3750	0.09000				1			0
138.00	Valine, Post-col Ninhydrin Der (%)	0171	2.3700	0.04000	2.4250	0.05268	0.03667	3			0
138.00	Valine, Post-col Ninhydrin Der (%)	0227	2.4300	0.04000	2.4250	0.05268	0.03667	3			0
138.00	Valine, Post-col Ninhydrin Der (%)	0504	2.4750	0.03000	2.4250	0.05268	0.03667	3			0
138.01	Valine, Pre-col OPA Der (%)	0970	2.3000	0.02000	2.3298	0.02975	0.01367	3			0
138.01	Valine, Pre-col OPA Der (%)	2004	2.3300	0.02000	2.3298	0.02975	0.01367	3			0
138.01	Valine, Pre-col OPA Der (%)	0969	2.3595	0.00100	2.3298	0.02975	0.01367	3			0
138.02	Valine, Post-col OPA Der (%)	2023	2.1200	0.02000				1			0
139.00	Taurine, Post-col Ninhydrin Der (%)	0171	0.11500	0.01000	0.15130	0.03759	0.00740	5	-0.97	12%	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			
139.00	Taurine, Post-col Ninhydrin Der (%)	0970	0.11600	0.00200	0.15130	0.03759	0.00740	5	-0.94	12%	0
139.00	Taurine, Post-col Ninhydrin Der (%)	0227	0.16000	0.02000	0.15130	0.03759	0.00740	5	0.23	3%	0
139.00	Taurine, Post-col Ninhydrin Der (%)	0504	0.16000	0.00000	0.15130	0.03759	0.00740	5	0.23	3%	0
139.00	Taurine, Post-col Ninhydrin Der (%)	0969	0.20550	0.00500	0.15130	0.03759	0.00740	5	1.44	18%	0
139.01	Taurine, Pre-col OPA Der (%)	2004	0.20550	0.00900				1			0
139.02	Taurine, Post-col OPA Der (%)	2023	0.19500	0.01000				1			0
160.99	Fructose, Miscellaneous (%)	0969	0.00000	0.00000				0			4
160.99	Fructose, Miscellaneous (%)	2004	0.01200	0.02400				0			4
161.99	Galactose, Miscellaneous (%)	0969	0.00000	0.00000				0			4
161.99	Galactose, Miscellaneous (%)	2004	0.00000	0.00000				0			4
162.99	Glucose, Miscellaneous (%)	0969	0.00000	0.00000				0			4
162.99	Glucose, Miscellaneous (%)	2004	0.00000	0.00000				0			4
163.99	Lactose, Miscellaneous (%)	0969	0.00000	0.00000				0			4
163.99	Lactose, Miscellaneous (%)	2004	0.00000	0.00000				0			4
164.99	Maltose, Miscellaneous (%)	0969	0.00000	0.00000				0			4
164.99	Maltose, Miscellaneous (%)	2004	0.00000	0.00000				0			4
165.99	Sucrose, Miscellaneous (%)	0969	0.00000	0.00000				0			4
165.99	Sucrose, Miscellaneous (%)	2004	0.00000	0.00000				0			4
400.99	Water activity, Miscellaneous (Units)	2083	0.45050	0.00100				1			0
516.00	Arsenic, total, AA, Hydride (mg / kg (ppm))	0171	0.10000	0.00000				1			0
516.43	Arsenic, total, ICP, Microwave (mg / kg (ppm))	2124	0.30750	0.07500				1			0
516.53	Arsenic, total, ICP-MS, Microwave (mg / kg (ppm))	0553	0.12850	0.00900				2			0
516.53	Arsenic, total, ICP-MS, Microwave (mg / kg (ppm))	0164	0.13450	0.00100				2			0
518.41	Cadmium, ICP, Dry ash (mg / kg (ppm))	0171	0.30000	0.00000				1			0
518.43	Cadmium, ICP, Microwave (mg / kg (ppm))	2124	0.21750	0.00500				1			0
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0164	0.20550	0.02900				2			0
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0553	0.25900	0.08600				2			0
520.41	Chromium, ICP, Dry ash (mg / kg (ppm))	0171	2.7500	0.10000				1			0
520.43	Chromium, ICP, Microwave (mg / kg (ppm))	0510	1.9700	0.04000				1			0
520.53	Chromium, ICP-MS, Microwave (mg / kg (ppm))	2023	1.7150	0.07000				2			0
520.53	Chromium, ICP-MS, Microwave (mg / kg (ppm))	0553	1.9100	0.30000				2			0
526.41	Lead, ICP, Dry ash (mg / kg (ppm))	0171	0.70000	0.00000				1			0
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0164	0.51400	0.02000				2			0
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0553	0.56750	0.08100				2			0
539.53	Nickel, ICP-MS, Microwave (mg / kg (ppm))	2023	2.6400	0.48000				2			0
539.53	Nickel, ICP-MS, Microwave (mg / kg (ppm))	0553	3.3600	0.52000				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 may be included for information only (Grey, No Action!). Flag 3 indicates not used in statistics.