



AAFCO
Proficiency Testing Program



Pet Food Ingredient Scheme

Fish Meal

Test Material Code # 202142

Method Proficiency Testing Report

Labs Reporting: 62

Methods Reported 271

Issue Date : 06/30/2021

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0504	5.025	0.0300				2			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0309	5.446	0.0390				2			0
001.03	Loss on Drying, Low temp. methods (%)	2124	5.165	0.0300				2			0
001.03	Loss on Drying, Low temp. methods (%)	0619	5.800	0.0800				2			0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0845	4.715	0.1500	5.477	0.1899	0.1291	21	-4.01	7%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0034	4.990	0.0000	5.477	0.1899	0.1291	21	-2.56	4%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0065	5.265	0.3300	5.477	0.1899	0.1291	21	-1.12	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	1023	5.325	0.0700	5.477	0.1899	0.1291	21	-0.80	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0650	5.340	0.0400	5.477	0.1899	0.1291	21	-0.72	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2187	5.365	0.0100	5.477	0.1899	0.1291	21	-0.59	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	1024	5.385	0.0300	5.477	0.1899	0.1291	21	-0.48	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0876	5.400	0.0000	5.477	0.1899	0.1291	21	-0.41	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0407	5.446	0.2147	5.477	0.1899	0.1291	21	-0.16	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	1022	5.467	0.0161	5.477	0.1899	0.1291	21	-0.05	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0003	5.485	0.1500	5.477	0.1899	0.1291	21	0.04	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	1020	5.490	0.1000	5.477	0.1899	0.1291	21	0.07	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2293	5.525	0.0900	5.477	0.1899	0.1291	21	0.25	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2331	5.525	0.1300	5.477	0.1899	0.1291	21	0.25	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0171	5.555	0.0300	5.477	0.1899	0.1291	21	0.41	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2330	5.560	0.0600	5.477	0.1899	0.1291	21	0.44	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0098	5.615	0.1300	5.477	0.1899	0.1291	21	0.73	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2220	5.645	0.0900	5.477	0.1899	0.1291	21	0.89	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2219	5.715	0.2900	5.477	0.1899	0.1291	21	1.25	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2156	5.890	0.4800	5.477	0.1899	0.1291	21	2.18	4%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2252	5.890	0.3000	5.477	0.1899	0.1291	21	2.18	4%	0
001.99	Loss on Drying, Miscellaneous (%)	0889	4.920	0.0600	5.266	0.2569	0.0975	8	-1.35	3%	0
001.99	Loss on Drying, Miscellaneous (%)	0918	5.050	0.0200	5.266	0.2569	0.0975	8	-0.84	2%	0
001.99	Loss on Drying, Miscellaneous (%)	0676	5.145	0.0700	5.266	0.2569	0.0975	8	-0.47	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0510	5.250	0.1000	5.266	0.2569	0.0975	8	-0.06	0%	0
001.99	Loss on Drying, Miscellaneous (%)	2242	5.340	0.1400	5.266	0.2569	0.0975	8	0.29	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0656	5.345	0.0900	5.266	0.2569	0.0975	8	0.31	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0910	5.450	0.3000	5.266	0.2569	0.0975	8	0.72	2%	0
001.99	Loss on Drying, Miscellaneous (%)	2115	5.630	0.0000	5.266	0.2569	0.0975	8	1.42	3%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
001.99	Loss on Drying, Miscellaneous (%)	2155	4.410	0.7200	5.266	0.2569	0.0975	8	-3.33	8%	1
002.00	Protein, Crude, Crude (%)	0845	64.47	0.7700				1			0
002.01	Protein, Crude, Auto Kjel-Foss (%)	0619	64.45	0.1000				3			0
002.01	Protein, Crude, Auto Kjel-Foss (%)	0870	64.91	2.168				3			0
002.01	Protein, Crude, Auto Kjel-Foss (%)	0164	65.16	0.1900				3			0
002.01	Protein, Crude, Auto Kjel-Foss (%)	0889	48.58	31.60				3			2
002.04	Protein, Crude, Copper Catalyst (%)	0504	64.70	0.3200				2			0
002.04	Protein, Crude, Copper Catalyst (%)	2122	65.25	0.0000				2			0
002.05	Protein, Crude, Copper, Boric Acid (%)	2115	64.03	0.0800				1			0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0510	62.10	0.2000	65.05	0.6809	0.5047	50	-4.33	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0065	63.57	2.710	65.05	0.6809	0.5047	50	-2.18	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0407	63.62	0.5150	65.05	0.6809	0.5047	50	-2.09	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2050	63.74	0.2300	65.05	0.6809	0.5047	50	-1.93	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0098	64.30	0.0000	65.05	0.6809	0.5047	50	-1.10	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0619	64.30	0.0000	65.05	0.6809	0.5047	50	-1.10	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0650	64.30	0.8000	65.05	0.6809	0.5047	50	-1.10	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2156	64.30	0.1600	65.05	0.6809	0.5047	50	-1.10	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2219	64.33	1.630	65.05	0.6809	0.5047	50	-1.06	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2207	64.40	0.1800	65.05	0.6809	0.5047	50	-0.95	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2232	64.45	0.1000	65.05	0.6809	0.5047	50	-0.88	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0918	64.50	0.7900	65.05	0.6809	0.5047	50	-0.81	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0656	64.53	0.0000	65.05	0.6809	0.5047	50	-0.76	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0171	64.66	0.0800	65.05	0.6809	0.5047	50	-0.57	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0910	64.70	0.6000	65.05	0.6809	0.5047	50	-0.51	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0242	64.79	1.610	65.05	0.6809	0.5047	50	-0.39	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2331	64.80	1.490	65.05	0.6809	0.5047	50	-0.37	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2016	64.83	0.0100	65.05	0.6809	0.5047	50	-0.33	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0876	64.85	0.3000	65.05	0.6809	0.5047	50	-0.29	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0553	64.89	0.3900	65.05	0.6809	0.5047	50	-0.24	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0554	64.92	0.2600	65.05	0.6809	0.5047	50	-0.19	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0958	64.92	0.1800	65.05	0.6809	0.5047	50	-0.19	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0504	64.95	0.3100	65.05	0.6809	0.5047	50	-0.15	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0529	64.96	1.430	65.05	0.6809	0.5047	50	-0.14	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0309	65.06	0.5480	65.05	0.6809	0.5047	50	0.02	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2187	65.09	0.2600	65.05	0.6809	0.5047	50	0.06	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2252	65.10	0.9870	65.05	0.6809	0.5047	50	0.07	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2330	65.11	0.2600	65.05	0.6809	0.5047	50	0.09	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	1022	65.17	0.4150	65.05	0.6809	0.5047	50	0.18	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0870	65.19	0.8750	65.05	0.6809	0.5047	50	0.20	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0003	65.22	0.0700	65.05	0.6809	0.5047	50	0.25	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2293	65.26	0.1300	65.05	0.6809	0.5047	50	0.30	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2242	65.28	0.9000	65.05	0.6809	0.5047	50	0.34	0%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2220	65.38	0.3200	65.05	0.6809	0.5047	50	0.49	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0034	65.40	0.3800	65.05	0.6809	0.5047	50	0.52	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0047	65.40	0.2000	65.05	0.6809	0.5047	50	0.52	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0208	65.40	0.2000	65.05	0.6809	0.5047	50	0.52	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2250	65.40	0.4000	65.05	0.6809	0.5047	50	0.52	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0042	65.55	0.1000	65.05	0.6809	0.5047	50	0.74	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0676	65.66	1.810	65.05	0.6809	0.5047	50	0.89	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0164	65.72	0.0600	65.05	0.6809	0.5047	50	0.99	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	1020	65.72	0.0680	65.05	0.6809	0.5047	50	0.99	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2155	65.80	0.2250	65.05	0.6809	0.5047	50	1.10	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0511	65.85	0.0400	65.05	0.6809	0.5047	50	1.18	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0010	65.90	0.4000	65.05	0.6809	0.5047	50	1.25	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	1024	65.90	0.5800	65.05	0.6809	0.5047	50	1.25	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2124	65.98	0.7800	65.05	0.6809	0.5047	50	1.37	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2089	66.00	0.9900	65.05	0.6809	0.5047	50	1.39	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2184	66.31	0.0000	65.05	0.6809	0.5047	50	1.85	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0001	66.57	0.2600	65.05	0.6809	0.5047	50	2.24	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	1023	50.50	29.29	65.05	0.6809	0.5047	50	-21.36	11%	2
002.08	Protein, Crude, Cu/Ti (%)	0098	64.13	0.2100				1			0
002.11	Protein, Crude, NIR (%)	0889	64.54	0.2200				2			0
002.11	Protein, Crude, NIR (%)	2232	66.15	0.2600				2			0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2330	5.795	1.090	7.047	1.141	0.2872	8	-1.10	9%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2331	6.180	0.3400	7.047	1.141	0.2872	8	-0.76	6%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2293	6.260	0.4400	7.047	1.141	0.2872	8	-0.69	6%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	1023	6.595	0.0100	7.047	1.141	0.2872	8	-0.40	3%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2115	7.415	0.0900	7.047	1.141	0.2872	8	0.32	3%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	0309	7.512	0.0079	7.047	1.141	0.2872	8	0.41	3%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	0164	7.860	0.0200	7.047	1.141	0.2872	8	0.71	6%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	1020	9.240	0.3000	7.047	1.141	0.2872	8	1.92	16%	0
003.01	Fat, Crude, Diethyl Ether Ext (13th ed.), Indirect (%)	0504	6.780	0.4800				1			0
003.06	Fat, Crude, Pet Ether (%)	0918	7.495	0.0700				3			0
003.06	Fat, Crude, Pet Ether (%)	0910	7.695	0.0700				3			0
003.06	Fat, Crude, Pet Ether (%)	0656	8.990	0.0000				3			0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0027	7.400	0.2000				3			0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0098	7.770	0.2000				3			0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	2250	9.150	0.3000				3			0
003.10	Fat, Crude, Randall, Pet Ether (%)	2155	6.953	0.3130	7.463	0.1862	0.1164	9	-2.74	3%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2184	7.285	0.2500	7.463	0.1862	0.1164	9	-0.96	1%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2089	7.410	0.0000	7.463	0.1862	0.1164	9	-0.28	0%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0870	7.433	0.0944	7.463	0.1862	0.1164	9	-0.16	0%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0098	7.480	0.1400	7.463	0.1862	0.1164	9	0.09	0%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0242	7.505	0.0700	7.463	0.1862	0.1164	9	0.23	0%	0

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003.10	Fat, Crude, Randall, Pet Ether (%)	2232	7.515	0.0500	7.463	0.1862	0.1164	9	0.28	0%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0889	7.625	0.0300	7.463	0.1862	0.1164	9	0.87	1%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0676	7.730	0.1000	7.463	0.1862	0.1164	9	1.43	2%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0042	12.25	0.7400	7.463	0.1862	0.1164	9	25.71	32%	1
003.11	Fat, Crude, NIR (%)	0889	8.170	0.1000				2			0
003.11	Fat, Crude, NIR (%)	2232	8.895	0.7300				2			0
003.12	Fat, Crude, Hexane Ext (%)	0171	7.625	0.1500				1			0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	0098	7.520	0.0000				2			0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	0870	7.664	0.1977				2			0
003.14	Fat, Crude, Ankom (%)	0529	7.395	0.0100	7.683	0.2564	0.1178	7	-1.12	2%	0
003.14	Fat, Crude, Ankom (%)	2115	7.415	0.1900	7.683	0.2564	0.1178	7	-1.04	2%	0
003.14	Fat, Crude, Ankom (%)	0554	7.610	0.0600	7.683	0.2564	0.1178	7	-0.28	0%	0
003.14	Fat, Crude, Ankom (%)	0407	7.775	0.1147	7.683	0.2564	0.1178	7	0.36	1%	0
003.14	Fat, Crude, Ankom (%)	2207	7.775	0.0900	7.683	0.2564	0.1178	7	0.36	1%	0
003.14	Fat, Crude, Ankom (%)	0171	7.780	0.1600	7.683	0.2564	0.1178	7	0.38	1%	0
003.14	Fat, Crude, Ankom (%)	0619	8.030	0.2000	7.683	0.2564	0.1178	7	1.35	2%	0
004.00	Fiber, Crude, Asbestos Free (%)	0504	0.3250	0.0300				3			0
004.00	Fiber, Crude, Asbestos Free (%)	0309	0.3371	0.0348				3			0
004.00	Fiber, Crude, Asbestos Free (%)	0171	0.3650	0.0300				3			0
004.00	Fiber, Crude, Asbestos Free (%)	0042	0.4500	0.3000				3			1
004.00	Fiber, Crude, Asbestos Free (%)	0164	< 0.2					3			5
004.06	Fiber, Crude, Fibertec (%)	0918	< 0.1					0			5
004.07	Fiber, Crude, ANKOM (%)	0407	0.0214	0.0258	0.3304	0.2289	0.0367	5			0
004.07	Fiber, Crude, ANKOM (%)	0910	0.2000	0.0000	0.3304	0.2289	0.0367	5			0
004.07	Fiber, Crude, ANKOM (%)	0529	0.3450	0.0700	0.3304	0.2289	0.0367	5			0
004.07	Fiber, Crude, ANKOM (%)	0870	0.4858	0.0077	0.3304	0.2289	0.0367	5			0
004.07	Fiber, Crude, ANKOM (%)	0553	0.6000	0.0800	0.3304	0.2289	0.0367	5			0
004.07	Fiber, Crude, ANKOM (%)	2124	1.300	0.5600	0.3304	0.2289	0.0367	5			1
004.07	Fiber, Crude, ANKOM (%)	0889	0.0000	0.0000	0.3304	0.2289	0.0367	5			4
004.11	Fiber, Crude, NIR (%)	0889	0.1450	0.0300				1			0
005.00	Ash, 2h @ 600°C (%)	2232	21.26	0.7900	21.69	0.2269	0.1859	38	-1.93	1%	0
005.00	Ash, 2h @ 600°C (%)	0309	21.37	0.0020	21.69	0.2269	0.1859	38	-1.44	1%	0
005.00	Ash, 2h @ 600°C (%)	2156	21.41	0.2400	21.69	0.2269	0.1859	38	-1.25	1%	0
005.00	Ash, 2h @ 600°C (%)	2220	21.41	0.2800	21.69	0.2269	0.1859	38	-1.25	1%	0
005.00	Ash, 2h @ 600°C (%)	0511	21.45	0.4000	21.69	0.2269	0.1859	38	-1.07	1%	0
005.00	Ash, 2h @ 600°C (%)	0650	21.45	0.3000	21.69	0.2269	0.1859	38	-1.07	1%	0
005.00	Ash, 2h @ 600°C (%)	0171	21.46	0.0200	21.69	0.2269	0.1859	38	-1.03	1%	0
005.00	Ash, 2h @ 600°C (%)	2184	21.49	0.8100	21.69	0.2269	0.1859	38	-0.92	0%	0
005.00	Ash, 2h @ 600°C (%)	2331	21.52	0.0500	21.69	0.2269	0.1859	38	-0.79	0%	0
005.00	Ash, 2h @ 600°C (%)	0164	21.53	0.0100	21.69	0.2269	0.1859	38	-0.74	0%	0
005.00	Ash, 2h @ 600°C (%)	2293	21.53	0.0800	21.69	0.2269	0.1859	38	-0.72	0%	0
005.00	Ash, 2h @ 600°C (%)	0407	21.58	0.3069	21.69	0.2269	0.1859	38	-0.51	0%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
005.00	Ash, 2h @ 600°C (%)	0027	21.61	0.0770	21.69	0.2269	0.1859	38	-0.38	0%	0
005.00	Ash, 2h @ 600°C (%)	2124	21.61	0.3400	21.69	0.2269	0.1859	38	-0.37	0%	0
005.00	Ash, 2h @ 600°C (%)	0553	21.62	0.0400	21.69	0.2269	0.1859	38	-0.32	0%	0
005.00	Ash, 2h @ 600°C (%)	2330	21.64	0.1100	21.69	0.2269	0.1859	38	-0.26	0%	0
005.00	Ash, 2h @ 600°C (%)	0208	21.65	0.1000	21.69	0.2269	0.1859	38	-0.19	0%	0
005.00	Ash, 2h @ 600°C (%)	2219	21.65	0.2400	21.69	0.2269	0.1859	38	-0.19	0%	0
005.00	Ash, 2h @ 600°C (%)	0504	21.69	0.6100	21.69	0.2269	0.1859	38	-0.04	0%	0
005.00	Ash, 2h @ 600°C (%)	0554	21.70	0.0300	21.69	0.2269	0.1859	38	0.01	0%	0
005.00	Ash, 2h @ 600°C (%)	2115	21.70	0.0300	21.69	0.2269	0.1859	38	0.01	0%	0
005.00	Ash, 2h @ 600°C (%)	0870	21.71	0.2259	21.69	0.2269	0.1859	38	0.09	0%	0
005.00	Ash, 2h @ 600°C (%)	1023	21.76	0.0900	21.69	0.2269	0.1859	38	0.27	0%	0
005.00	Ash, 2h @ 600°C (%)	0529	21.76	0.0600	21.69	0.2269	0.1859	38	0.29	0%	0
005.00	Ash, 2h @ 600°C (%)	0918	21.78	0.0100	21.69	0.2269	0.1859	38	0.36	0%	0
005.00	Ash, 2h @ 600°C (%)	0656	21.81	0.0000	21.69	0.2269	0.1859	38	0.51	0%	0
005.00	Ash, 2h @ 600°C (%)	2016	21.84	0.1700	21.69	0.2269	0.1859	38	0.62	0%	0
005.00	Ash, 2h @ 600°C (%)	0047	21.85	0.1000	21.69	0.2269	0.1859	38	0.69	0%	0
005.00	Ash, 2h @ 600°C (%)	2252	21.85	0.1000	21.69	0.2269	0.1859	38	0.69	0%	0
005.00	Ash, 2h @ 600°C (%)	1020	21.89	0.1800	21.69	0.2269	0.1859	38	0.87	0%	0
005.00	Ash, 2h @ 600°C (%)	0876	21.90	0.0000	21.69	0.2269	0.1859	38	0.91	0%	0
005.00	Ash, 2h @ 600°C (%)	0001	21.90	0.1418	21.69	0.2269	0.1859	38	0.93	0%	0
005.00	Ash, 2h @ 600°C (%)	2242	21.92	0.3300	21.69	0.2269	0.1859	38	0.98	1%	0
005.00	Ash, 2h @ 600°C (%)	2089	21.97	0.0100	21.69	0.2269	0.1859	38	1.20	1%	0
005.00	Ash, 2h @ 600°C (%)	0242	21.97	0.0800	21.69	0.2269	0.1859	38	1.22	1%	0
005.00	Ash, 2h @ 600°C (%)	0098	22.01	0.1200	21.69	0.2269	0.1859	38	1.39	1%	0
005.00	Ash, 2h @ 600°C (%)	0510	22.05	0.2600	21.69	0.2269	0.1859	38	1.57	1%	0
005.00	Ash, 2h @ 600°C (%)	2207	22.23	0.3200	21.69	0.2269	0.1859	38	2.36	1%	0
005.00	Ash, 2h @ 600°C (%)	0042	22.00	1.000	21.69	0.2269	0.1859	38	1.35	1%	1
005.03	Ash, Microwave furnace (%)	2187	21.90	0.0600				1			0
005.05	Ash, 3h @ 550°C (%)	2250	21.70	0.4000	21.87	0.1704	0.2336	7	-0.98	0%	0
005.05	Ash, 3h @ 550°C (%)	0065	21.74	0.0200	21.87	0.1704	0.2336	7	-0.75	0%	0
005.05	Ash, 3h @ 550°C (%)	0003	21.75	0.3100	21.87	0.1704	0.2336	7	-0.72	0%	0
005.05	Ash, 3h @ 550°C (%)	0845	21.88	0.1600	21.87	0.1704	0.2336	7	0.07	0%	0
005.05	Ash, 3h @ 550°C (%)	2050	21.93	0.1800	21.87	0.1704	0.2336	7	0.37	0%	0
005.05	Ash, 3h @ 550°C (%)	0034	21.96	0.1850	21.87	0.1704	0.2336	7	0.53	0%	0
005.05	Ash, 3h @ 550°C (%)	0889	22.12	0.3800	21.87	0.1704	0.2336	7	1.48	1%	0
005.11	Ash, NIR (%)	0889	13.39	0.0700				2			0
005.11	Ash, NIR (%)	2232	20.09	0.2400				2			0
005.99	Ash, Miscellaneous (%)	1024	21.42	0.3700	21.90	0.3864	0.2860	4			0
005.99	Ash, Miscellaneous (%)	0910	21.80	0.0000	21.90	0.3864	0.2860	4			0
005.99	Ash, Miscellaneous (%)	1022	22.06	0.1740	21.90	0.3864	0.2860	4			0
005.99	Ash, Miscellaneous (%)	0676	22.32	0.6000	21.90	0.3864	0.2860	4			0
006.00	Total Sugars, As sucrose (%)	0407	0.0100	0.0200				0			4

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008.02	Fiber, Acid Detergent, Crucible (%)	0309	1.254	0.0655				2			0
008.02	Fiber, Acid Detergent, Crucible (%)	0504	3.270	1.280				2			0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0889	0.9200	0.0200	2.674	1.228	0.2144	5			0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0042	2.400	0.6000	2.674	1.228	0.2144	5			0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0918	2.845	0.0300	2.674	1.228	0.2144	5			0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0407	2.852	0.2471	2.674	1.228	0.2144	5			0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0870	4.354	0.1751	2.674	1.228	0.2144	5			0
009.04	Fiber, Neutral Detergent, Neutral Det-No ENZ Pretreat (%)	0504	10.76	3.480				1			0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat (%)	0309	3.277	0.3419				1			0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0407	7.411	0.7990				3			0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0889	16.22	0.0300				3			0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0870	20.55	0.6310				3			0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0918	12.14	7.480				3			1
009.99	Fiber, Neutral Detergent, Miscellaneous (%)	0889	4.675	0.0100				1			0
010.03	Moisture, Karl-Fischer (%)	0164	5.510	0.1400				1			0
010.11	Moisture, NIR (%)	2232	4.870	0.0400				2			0
010.11	Moisture, NIR (%)	0889	6.535	0.0100				2			0
010.99	Moisture, Miscellaneous (%)	2089	5.400	0.0000				1			0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2232	5.340	0.1600	5.953	0.3041	0.0872	17	-2.02	5%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0554	5.460	0.1000	5.953	0.3041	0.0872	17	-1.62	4%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2016	5.560	0.2200	5.953	0.3041	0.0872	17	-1.29	3%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0208	5.765	0.0300	5.953	0.3041	0.0872	17	-0.62	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0511	5.800	0.0400	5.953	0.3041	0.0872	17	-0.50	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2207	5.845	0.0700	5.953	0.3041	0.0872	17	-0.36	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0047	5.900	0.0000	5.953	0.3041	0.0872	17	-0.18	0%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0164	5.910	0.0000	5.953	0.3041	0.0872	17	-0.14	0%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0553	6.025	0.1100	5.953	0.3041	0.0872	17	0.24	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0870	6.040	0.0906	5.953	0.3041	0.0872	17	0.28	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0171	6.055	0.0300	5.953	0.3041	0.0872	17	0.33	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0309	6.080	0.1200	5.953	0.3041	0.0872	17	0.42	1%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0510	6.150	0.1000	5.953	0.3041	0.0872	17	0.65	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0098	6.165	0.0300	5.953	0.3041	0.0872	17	0.70	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	2184	6.225	0.0300	5.953	0.3041	0.0872	17	0.89	2%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0407	6.336	0.2213	5.953	0.3041	0.0872	17	1.26	3%	0
011.01	Loss on Drying, HT, 135°C 2hr (%)	0242	6.355	0.1300	5.953	0.3041	0.0872	17	1.32	3%	0
011.02	Loss on Drying, HT, 130°C for 2 hours (%)	2083	5.500	0.2000				2			0
011.02	Loss on Drying, HT, 130°C for 2 hours (%)	0529	6.050	0.0400				2			0
011.03	Loss on Drying, HT, 130°C, 1 hour, Flour (%)	2250	5.200	0.2000				1			0
012.00	Starch, Polarimetric (Ewers) (%)	0164	< 1					0			5
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	0870	0.2809	0.0105	0.9953	0.6506	0.2094	4			0
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	2242	0.6100	0.5600	0.9953	0.6506	0.2094	4			0
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	0918	1.491	0.2670	0.9953	0.6506	0.2094	4			0

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012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	0164	1.600	0.0000	0.9953	0.6506	0.2094	4			0
012.03	Starch, Enzymatic-Colorimetric Method, Miscellaneous (%)	0889	0.2750	0.0100				2			0
012.03	Starch, Enzymatic-Colorimetric Method, Miscellaneous (%)	0407	0.8510	0.0115				2			0
012.04	Starch, Enzymatic-Enzyme Membrane Technology (YSI) (%)	0510	0.4500	0.1000				1			0
012.11	Starch, NIR (%)	0889	1.163	0.5650				1			0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2220	5.755	0.0100	7.558	1.507	0.3126	10	-1.20	12%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2252	5.765	0.2900	7.558	1.507	0.3126	10	-1.19	12%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2156	6.035	0.3700	7.558	1.507	0.3126	10	-1.01	10%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2219	7.035	0.6300	7.558	1.507	0.3126	10	-0.35	3%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2187	7.840	0.2400	7.558	1.507	0.3126	10	0.19	2%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0242	8.175	0.0500	7.558	1.507	0.3126	10	0.41	4%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0650	8.295	0.3100	7.558	1.507	0.3126	10	0.49	5%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2016	8.410	0.2800	7.558	1.507	0.3126	10	0.57	6%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0910	8.880	0.9400	7.558	1.507	0.3126	10	0.88	9%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0309	9.392	0.0060	7.558	1.507	0.3126	10	1.22	12%	0
013.02	Fat, Acid Pretreat, Mojonner, Bak Ext (%)	0065	8.550	0.0400	9.126	0.4140	0.1459	9	-1.39	3%	0
013.02	Fat, Acid Pretreat, Mojonner, Bak Ext (%)	0098	8.785	0.0900	9.126	0.4140	0.1459	9	-0.82	2%	0
013.02	Fat, Acid Pretreat, Mojonner, Bak Ext (%)	0407	8.820	0.2200	9.126	0.4140	0.1459	9	-0.74	2%	0
013.02	Fat, Acid Pretreat, Mojonner, Bak Ext (%)	0870	8.976	0.3699	9.126	0.4140	0.1459	9	-0.36	1%	0
013.02	Fat, Acid Pretreat, Mojonner, Bak Ext (%)	0676	9.125	0.0700	9.126	0.4140	0.1459	9	0.00	0%	0
013.02	Fat, Acid Pretreat, Mojonner, Bak Ext (%)	0553	9.375	0.1300	9.126	0.4140	0.1459	9	0.60	1%	0
013.02	Fat, Acid Pretreat, Mojonner, Bak Ext (%)	0001	9.421	0.2430	9.126	0.4140	0.1459	9	0.71	2%	0
013.02	Fat, Acid Pretreat, Mojonner, Bak Ext (%)	0171	9.485	0.1100	9.126	0.4140	0.1459	9	0.87	2%	0
013.02	Fat, Acid Pretreat, Mojonner, Bak Ext (%)	0164	9.600	0.0400	9.126	0.4140	0.1459	9	1.14	3%	0
013.10	Fat, Acid Pretreat, Soxtec-Acid Hydrolysis (%)	0845	7.875	0.2100				2			0
013.10	Fat, Acid Pretreat, Soxtec-Acid Hydrolysis (%)	2124	8.585	0.4900				2			0
013.13	Fat, Acid Pretreat, Ankom- Acid Hydrolysis (%)	0034	7.140	0.3400	7.984	0.7868	0.5681	5			0
013.13	Fat, Acid Pretreat, Ankom- Acid Hydrolysis (%)	0407	7.680	1.321	7.984	0.7868	0.5681	5			0
013.13	Fat, Acid Pretreat, Ankom- Acid Hydrolysis (%)	0511	7.750	0.9800	7.984	0.7868	0.5681	5			0
013.13	Fat, Acid Pretreat, Ankom- Acid Hydrolysis (%)	0876	8.100	0.0000	7.984	0.7868	0.5681	5			0
013.13	Fat, Acid Pretreat, Ankom- Acid Hydrolysis (%)	0510	9.250	0.2000	7.984	0.7868	0.5681	5			0
015.41	Aluminum, ICP, Dry ash (ppm)	0171	349.5	1.000				2			0
015.41	Aluminum, ICP, Dry ash (ppm)	0407	447.5	2.648				2			0
015.43	Aluminum, ICP, Microwave (ppm)	0407	398.9	124.1	468.1	69.87	48.00	4			0
015.43	Aluminum, ICP, Microwave (ppm)	0918	431.3	59.23	468.1	69.87	48.00	4			0
015.43	Aluminum, ICP, Microwave (ppm)	0511	483.4	4.630	468.1	69.87	48.00	4			0
015.43	Aluminum, ICP, Microwave (ppm)	0510	559.0	4.000	468.1	69.87	48.00	4			0
015.53	Aluminum, ICP-MS, Microwave (ppm)	0407	561.6	0.4920				2			0
015.53	Aluminum, ICP-MS, Microwave (ppm)	0553	690.5	39.00				2			0
017.41	Boron, ICP, Dry ash (ppm)	0407	4.981	0.4291				1			0
017.43	Boron, ICP, Microwave (ppm)	0407	5.573	0.1739				3			0
017.43	Boron, ICP, Microwave (ppm)	0918	6.070	0.1600				3			0

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017.43	Boron, ICP, Microwave (ppm)	0510	7.000	0.0000				3			0
017.53	Boron, ICP-MS, Microwave (ppm)	0553	3.640	1.300				2			0
017.53	Boron, ICP-MS, Microwave (ppm)	0407	4.326	0.4359				2			0
019.31	Calcium, AAS, Dry ash (%)	0656	5.030	0.0000				3			0
019.31	Calcium, AAS, Dry ash (%)	0529	5.450	0.0600				3			0
019.31	Calcium, AAS, Dry ash (%)	0001	6.170	0.2360				3			0
019.41	Calcium, ICP, Dry ash (%)	0164	4.995	0.0100	5.288	0.2698	0.1275	9	-1.09	3%	0
019.41	Calcium, ICP, Dry ash (%)	1023	5.045	0.1700	5.288	0.2698	0.1275	9	-0.90	2%	0
019.41	Calcium, ICP, Dry ash (%)	0098	5.130	0.1600	5.288	0.2698	0.1275	9	-0.59	1%	0
019.41	Calcium, ICP, Dry ash (%)	1024	5.135	0.0500	5.288	0.2698	0.1275	9	-0.57	1%	0
019.41	Calcium, ICP, Dry ash (%)	0171	5.275	0.0100	5.288	0.2698	0.1275	9	-0.05	0%	0
019.41	Calcium, ICP, Dry ash (%)	1020	5.340	0.0000	5.288	0.2698	0.1275	9	0.19	0%	0
019.41	Calcium, ICP, Dry ash (%)	0910	5.415	0.4700	5.288	0.2698	0.1275	9	0.47	1%	0
019.41	Calcium, ICP, Dry ash (%)	0619	5.565	0.0300	5.288	0.2698	0.1275	9	1.03	3%	0
019.41	Calcium, ICP, Dry ash (%)	0407	6.030	0.2472	5.288	0.2698	0.1275	9	2.75	7%	0
019.42	Calcium, ICP, Open vessel (%)	2207	5.795	0.1100				2			0
019.42	Calcium, ICP, Open vessel (%)	0870	5.922	0.1590				2			0
019.43	Calcium, ICP, Microwave (%)	0511	4.690	0.1000	5.239	0.2748	0.1900	13	-2.00	5%	0
019.43	Calcium, ICP, Microwave (%)	2124	4.870	0.0000	5.239	0.2748	0.1900	13	-1.34	4%	0
019.43	Calcium, ICP, Microwave (%)	2089	5.090	0.0200	5.239	0.2748	0.1900	13	-0.54	1%	0
019.43	Calcium, ICP, Microwave (%)	2187	5.109	0.0744	5.239	0.2748	0.1900	13	-0.47	1%	0
019.43	Calcium, ICP, Microwave (%)	0407	5.127	0.1040	5.239	0.2748	0.1900	13	-0.41	1%	0
019.43	Calcium, ICP, Microwave (%)	0918	5.161	0.2790	5.239	0.2748	0.1900	13	-0.29	1%	0
019.43	Calcium, ICP, Microwave (%)	0510	5.180	0.0200	5.239	0.2748	0.1900	13	-0.22	1%	0
019.43	Calcium, ICP, Microwave (%)	0010	5.355	0.5100	5.239	0.2748	0.1900	13	0.42	1%	0
019.43	Calcium, ICP, Microwave (%)	0098	5.395	0.0500	5.239	0.2748	0.1900	13	0.57	1%	0
019.43	Calcium, ICP, Microwave (%)	0870	5.398	0.1900	5.239	0.2748	0.1900	13	0.58	2%	0
019.43	Calcium, ICP, Microwave (%)	0027	5.439	0.5420	5.239	0.2748	0.1900	13	0.73	2%	0
019.43	Calcium, ICP, Microwave (%)	2033	5.550	0.1000	5.239	0.2748	0.1900	13	1.13	3%	0
019.43	Calcium, ICP, Microwave (%)	0042	5.610	0.4800	5.239	0.2748	0.1900	13	1.35	4%	0
019.44	Calcium, ICP, Dry ash (%)	2219	4.945	0.3610	5.220	0.2593	0.3282	10	-1.06	3%	0
019.44	Calcium, ICP, Dry ash (%)	2156	5.029	0.0300	5.220	0.2593	0.3282	10	-0.73	2%	0
019.44	Calcium, ICP, Dry ash (%)	2252	5.064	0.3390	5.220	0.2593	0.3282	10	-0.60	1%	0
019.44	Calcium, ICP, Dry ash (%)	2293	5.095	0.3900	5.220	0.2593	0.3282	10	-0.48	1%	0
019.44	Calcium, ICP, Dry ash (%)	2220	5.125	0.4100	5.220	0.2593	0.3282	10	-0.36	1%	0
019.44	Calcium, ICP, Dry ash (%)	2331	5.165	0.6900	5.220	0.2593	0.3282	10	-0.21	1%	0
019.44	Calcium, ICP, Dry ash (%)	2330	5.175	0.6900	5.220	0.2593	0.3282	10	-0.17	0%	0
019.44	Calcium, ICP, Dry ash (%)	0065	5.465	0.0500	5.220	0.2593	0.3282	10	0.95	2%	0
019.44	Calcium, ICP, Dry ash (%)	1022	5.525	0.0300	5.220	0.2593	0.3282	10	1.18	3%	0
019.44	Calcium, ICP, Dry ash (%)	2232	6.112	0.2920	5.220	0.2593	0.3282	10	3.44	9%	0
019.52	Calcium, ICP-MS, Open vessel (%)	0047	5.175	0.6100				1			0
019.53	Calcium, ICP-MS, Microwave (%)	0407	4.866	0.0395				2			0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
019.53	Calcium, ICP-MS, Microwave (%)	0553	4.975	0.1700				2			0
019.99	Calcium, Miscellaneous (%)	0889	4.648	0.0050				3			0
019.99	Calcium, Miscellaneous (%)	0242	5.390	0.0400				3			0
019.99	Calcium, Miscellaneous (%)	0676	5.470	0.3000				3			0
021.31	Cobalt, AAS, Dry ash (ppm)	0164	5.200	0.0000				1			0
021.41	Cobalt, ICP, Dry ash (ppm)	0171	0.1450	0.0100				2			0
021.41	Cobalt, ICP, Dry ash (ppm)	0407	0.7008	0.0384				2			0
021.43	Cobalt, ICP, Microwave (ppm)	0510	0.4600	0.0000				2			0
021.43	Cobalt, ICP, Microwave (ppm)	0407	1.034	0.1452				2			0
021.53	Cobalt, ICP-MS, Microwave (ppm)	0553	0.3275	0.0150				3			0
021.53	Cobalt, ICP-MS, Microwave (ppm)	0407	0.3475	0.0009				3			0
021.53	Cobalt, ICP-MS, Microwave (ppm)	0918	0.5447	0.0170				3			0
022.31	Copper, AAS, Dry ash (ppm)	0529	8.740	0.0000				1			0
022.31	Copper, AAS, Dry ash (ppm)	0656	< 10.1					1			5
022.33	Copper, AAS, Microwave (ppm)	0010	7.550	0.1000				1			0
022.41	Copper, ICP, Dry ash (ppm)	0098	4.490	0.4800	7.123	2.930	0.3700	4			0
022.41	Copper, ICP, Dry ash (ppm)	0171	5.800	0.2000	7.123	2.930	0.3700	4			0
022.41	Copper, ICP, Dry ash (ppm)	0164	6.950	0.1000	7.123	2.930	0.3700	4			0
022.41	Copper, ICP, Dry ash (ppm)	0619	11.25	0.7000	7.123	2.930	0.3700	4			0
022.41	Copper, ICP, Dry ash (ppm)	0407	9.901	7.753	7.123	2.930	0.3700	4			1
022.42	Copper, ICP, Open vessel (ppm)	0870	4.504	0.0880				2			0
022.42	Copper, ICP, Open vessel (ppm)	2207	6.000	0.0000				2			0
022.43	Copper, ICP, Microwave (ppm)	0098	4.865	0.2500	5.155	0.3851	0.1751	10	-0.75	3%	0
022.43	Copper, ICP, Microwave (ppm)	0870	4.867	0.1940	5.155	0.3851	0.1751	10	-0.75	3%	0
022.43	Copper, ICP, Microwave (ppm)	0511	4.880	0.2000	5.155	0.3851	0.1751	10	-0.71	3%	0
022.43	Copper, ICP, Microwave (ppm)	0042	4.950	0.0800	5.155	0.3851	0.1751	10	-0.53	2%	0
022.43	Copper, ICP, Microwave (ppm)	0510	5.000	0.0000	5.155	0.3851	0.1751	10	-0.40	1%	0
022.43	Copper, ICP, Microwave (ppm)	0918	5.055	0.0900	5.155	0.3851	0.1751	10	-0.26	1%	0
022.43	Copper, ICP, Microwave (ppm)	0407	5.090	0.2541	5.155	0.3851	0.1751	10	-0.17	1%	0
022.43	Copper, ICP, Microwave (ppm)	2124	5.375	0.3700	5.155	0.3851	0.1751	10	0.57	2%	0
022.43	Copper, ICP, Microwave (ppm)	2033	5.800	0.2000	5.155	0.3851	0.1751	10	1.68	6%	0
022.43	Copper, ICP, Microwave (ppm)	0027	6.463	0.1130	5.155	0.3851	0.1751	10	3.40	13%	0
022.43	Copper, ICP, Microwave (ppm)	2089	7.345	2.110	5.155	0.3851	0.1751	10	5.69	21%	1
022.44	Copper, ICP, Dry ash (ppm)	0910	6.000	0.0000				1			0
022.52	Copper, ICP-MS, Open vessel (ppm)	0047	4.305	0.1500				1			0
022.53	Copper, ICP-MS, Microwave (ppm)	0407	5.037	0.3033				2			0
022.53	Copper, ICP-MS, Microwave (ppm)	0553	5.440	1.260				2			0
022.99	Copper, Miscellaneous (ppm)	0242	4.000	0.0000				1			0
023.01	Fluorine, Ion Sel Elect (ppm)	2033	< 5					0			5
025.31	Iron, AAS, Dry ash (ppm)	0529	559.2	63.80				3			0
025.31	Iron, AAS, Dry ash (ppm)	0001	726.5	17.80				3			0
025.31	Iron, AAS, Dry ash (ppm)	0656	799.2	0.0000				3			0

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025.41	Iron, ICP, Dry ash (ppm)	0619	427.5	19.00	650.5	67.66	29.91	6	-3.29	17%	0
025.41	Iron, ICP, Dry ash (ppm)	0171	638.5	1.000	650.5	67.66	29.91	6	-0.18	1%	0
025.41	Iron, ICP, Dry ash (ppm)	0407	640.3	8.836	650.5	67.66	29.91	6	-0.15	1%	0
025.41	Iron, ICP, Dry ash (ppm)	0098	663.0	24.60	650.5	67.66	29.91	6	0.19	1%	0
025.41	Iron, ICP, Dry ash (ppm)	0164	684.5	21.00	650.5	67.66	29.91	6	0.50	3%	0
025.41	Iron, ICP, Dry ash (ppm)	0910	727.5	105.0	650.5	67.66	29.91	6	1.14	6%	0
025.42	Iron, ICP, Open vessel (ppm)	0870	711.6	4.300				2			0
025.42	Iron, ICP, Open vessel (ppm)	2207	739.5	73.00				2			0
025.43	Iron, ICP, Microwave (ppm)	0407	660.5	9.100	752.2	69.36	28.52	10	-1.32	6%	0
025.43	Iron, ICP, Microwave (ppm)	0511	702.9	0.9600	752.2	69.36	28.52	10	-0.71	3%	0
025.43	Iron, ICP, Microwave (ppm)	0870	707.2	8.600	752.2	69.36	28.52	10	-0.65	3%	0
025.43	Iron, ICP, Microwave (ppm)	0510	713.0	2.000	752.2	69.36	28.52	10	-0.57	3%	0
025.43	Iron, ICP, Microwave (ppm)	0027	739.6	39.06	752.2	69.36	28.52	10	-0.18	1%	0
025.43	Iron, ICP, Microwave (ppm)	0098	742.7	57.10	752.2	69.36	28.52	10	-0.14	1%	0
025.43	Iron, ICP, Microwave (ppm)	2124	768.8	79.41	752.2	69.36	28.52	10	0.24	1%	0
025.43	Iron, ICP, Microwave (ppm)	2033	805.0	10.00	752.2	69.36	28.52	10	0.76	4%	0
025.43	Iron, ICP, Microwave (ppm)	0918	833.3	17.02	752.2	69.36	28.52	10	1.17	5%	0
025.43	Iron, ICP, Microwave (ppm)	2089	849.1	61.93	752.2	69.36	28.52	10	1.40	6%	0
025.52	Iron, ICP-MS, Open vessel (ppm)	0047	837.1	42.79				1			0
025.53	Iron, ICP-MS, Microwave (ppm)	0407	745.9	11.43				2			0
025.53	Iron, ICP-MS, Microwave (ppm)	0553	858.0	164.0				2			0
025.99	Iron, Miscellaneous (ppm)	0242	611.0	14.00				1			0
027.31	Magnesium, AAS, Dry ash (%)	0529	0.1875	0.0070				3			0
027.31	Magnesium, AAS, Dry ash (%)	0001	0.2347	0.0039				3			0
027.31	Magnesium, AAS, Dry ash (%)	0656	0.2400	0.0000				3			0
027.41	Magnesium, ICP, Dry ash (%)	0407	0.1826	0.0003	0.2180	0.0142	0.0054	9	-2.50	8%	0
027.41	Magnesium, ICP, Dry ash (%)	0098	0.2050	0.0100	0.2180	0.0142	0.0054	9	-0.92	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0171	0.2150	0.0000	0.2180	0.0142	0.0054	9	-0.21	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0619	0.2150	0.0040	0.2180	0.0142	0.0054	9	-0.21	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0164	0.2155	0.0030	0.2180	0.0142	0.0054	9	-0.18	1%	0
027.41	Magnesium, ICP, Dry ash (%)	1023	0.2250	0.0100	0.2180	0.0142	0.0054	9	0.49	2%	0
027.41	Magnesium, ICP, Dry ash (%)	1024	0.2250	0.0120	0.2180	0.0142	0.0054	9	0.49	2%	0
027.41	Magnesium, ICP, Dry ash (%)	1020	0.2255	0.0030	0.2180	0.0142	0.0054	9	0.53	2%	0
027.41	Magnesium, ICP, Dry ash (%)	2232	0.2500	0.0060	0.2180	0.0142	0.0054	9	2.25	7%	0
027.42	Magnesium, ICP, Open vessel (%)	0870	0.2290	0.0000				2			0
027.42	Magnesium, ICP, Open vessel (%)	2207	0.2550	0.0100				2			0
027.43	Magnesium, ICP, Microwave (%)	0407	0.1844	0.0138	0.2143	0.0185	0.0066	12	-1.61	7%	0
027.43	Magnesium, ICP, Microwave (%)	0511	0.1900	0.0000	0.2143	0.0185	0.0066	12	-1.31	6%	0
027.43	Magnesium, ICP, Microwave (%)	0510	0.2000	0.0000	0.2143	0.0185	0.0066	12	-0.77	3%	0
027.43	Magnesium, ICP, Microwave (%)	0870	0.2079	0.0073	0.2143	0.0185	0.0066	12	-0.35	1%	0
027.43	Magnesium, ICP, Microwave (%)	0098	0.2150	0.0100	0.2143	0.0185	0.0066	12	0.04	0%	0
027.43	Magnesium, ICP, Microwave (%)	2124	0.2150	0.0100	0.2143	0.0185	0.0066	12	0.04	0%	0

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027.43	Magnesium, ICP, Microwave (%)	0027	0.2190	0.0160	0.2143	0.0185	0.0066	12	0.25	1%	0
027.43	Magnesium, ICP, Microwave (%)	0918	0.2190	0.0020	0.2143	0.0185	0.0066	12	0.25	1%	0
027.43	Magnesium, ICP, Microwave (%)	2089	0.2200	0.0000	0.2143	0.0185	0.0066	12	0.31	1%	0
027.43	Magnesium, ICP, Microwave (%)	2187	0.2219	0.0006	0.2143	0.0185	0.0066	12	0.41	2%	0
027.43	Magnesium, ICP, Microwave (%)	2033	0.2350	0.0100	0.2143	0.0185	0.0066	12	1.12	5%	0
027.43	Magnesium, ICP, Microwave (%)	0042	0.2475	0.0090	0.2143	0.0185	0.0066	12	1.79	8%	0
027.44	Magnesium, ICP, Dry ash (%)	0910	0.2150	0.0100	0.2269	0.0093	0.0184	10	-1.27	3%	0
027.44	Magnesium, ICP, Dry ash (%)	2219	0.2190	0.0160	0.2269	0.0093	0.0184	10	-0.85	2%	0
027.44	Magnesium, ICP, Dry ash (%)	2156	0.2215	0.0090	0.2269	0.0093	0.0184	10	-0.58	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2252	0.2235	0.0130	0.2269	0.0093	0.0184	10	-0.36	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2220	0.2265	0.0250	0.2269	0.0093	0.0184	10	-0.04	0%	0
027.44	Magnesium, ICP, Dry ash (%)	2293	0.2265	0.0270	0.2269	0.0093	0.0184	10	-0.04	0%	0
027.44	Magnesium, ICP, Dry ash (%)	2331	0.2265	0.0390	0.2269	0.0093	0.0184	10	-0.04	0%	0
027.44	Magnesium, ICP, Dry ash (%)	2330	0.2300	0.0400	0.2269	0.0093	0.0184	10	0.33	1%	0
027.44	Magnesium, ICP, Dry ash (%)	0065	0.2395	0.0010	0.2269	0.0093	0.0184	10	1.35	3%	0
027.44	Magnesium, ICP, Dry ash (%)	1022	0.2450	0.0040	0.2269	0.0093	0.0184	10	1.94	4%	0
027.52	Magnesium, ICP-MS, Open vessel (%)	0047	0.2200	0.0400				1			0
027.53	Magnesium, ICP-MS, Microwave (%)	0407	0.2117	0.0021				2			0
027.53	Magnesium, ICP-MS, Microwave (%)	0553	0.2235	0.0110				2			0
027.99	Magnesium, Miscellaneous (%)	0889	0.1950	0.0100				2			0
027.99	Magnesium, Miscellaneous (%)	0242	0.2300	0.0000				2			0
028.31	Manganese, AAS, Dry ash (ppm)	0529	31.75	1.100				3			0
028.31	Manganese, AAS, Dry ash (ppm)	0001	33.29	0.8700				3			0
028.31	Manganese, AAS, Dry ash (ppm)	0656	36.18	0.0000				3			0
028.41	Manganese, ICP, Dry ash (ppm)	0164	30.00	0.0000	31.63	1.427	0.8606	5			0
028.41	Manganese, ICP, Dry ash (ppm)	0171	30.70	0.2000	31.63	1.427	0.8606	5			0
028.41	Manganese, ICP, Dry ash (ppm)	0619	31.35	1.300	31.63	1.427	0.8606	5			0
028.41	Manganese, ICP, Dry ash (ppm)	0407	32.52	1.653	31.63	1.427	0.8606	5			0
028.41	Manganese, ICP, Dry ash (ppm)	0098	33.57	1.150	31.63	1.427	0.8606	5			0
028.42	Manganese, ICP, Open vessel (ppm)	0870	30.15	0.0300				2			0
028.42	Manganese, ICP, Open vessel (ppm)	2207	35.50	1.000				2			0
028.43	Manganese, ICP, Microwave (ppm)	0870	28.86	1.000	32.89	2.108	1.139	10	-1.91	6%	0
028.43	Manganese, ICP, Microwave (ppm)	0407	31.08	1.369	32.89	2.108	1.139	10	-0.86	3%	0
028.43	Manganese, ICP, Microwave (ppm)	0511	31.32	0.5900	32.89	2.108	1.139	10	-0.75	2%	0
028.43	Manganese, ICP, Microwave (ppm)	0510	32.00	0.0000	32.89	2.108	1.139	10	-0.42	1%	0
028.43	Manganese, ICP, Microwave (ppm)	2124	32.65	1.820	32.89	2.108	1.139	10	-0.12	0%	0
028.43	Manganese, ICP, Microwave (ppm)	2089	33.29	0.6000	32.89	2.108	1.139	10	0.19	1%	0
028.43	Manganese, ICP, Microwave (ppm)	0918	34.01	1.420	32.89	2.108	1.139	10	0.53	2%	0
028.43	Manganese, ICP, Microwave (ppm)	2033	34.55	0.5500	32.89	2.108	1.139	10	0.78	3%	0
028.43	Manganese, ICP, Microwave (ppm)	0098	34.93	1.940	32.89	2.108	1.139	10	0.97	3%	0
028.43	Manganese, ICP, Microwave (ppm)	0027	35.38	2.102	32.89	2.108	1.139	10	1.18	4%	0
028.43	Manganese, ICP, Microwave (ppm)	0042	37.50	8.800	32.89	2.108	1.139	10	2.19	7%	1

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028.44	Manganese, ICP, Dry ash (ppm)	0910	33.00	0.0000				2			0
028.44	Manganese, ICP, Dry ash (ppm)	1022	37.29	0.6900				2			0
028.52	Manganese, ICP-MS, Open vessel (ppm)	0047	41.78	3.000				1			0
028.53	Manganese, ICP-MS, Microwave (ppm)	0553	32.25	0.5000				2			0
028.53	Manganese, ICP-MS, Microwave (ppm)	0407	33.45	0.7482				2			0
028.99	Manganese, Miscellaneous (ppm)	0242	34.00	0.0000				1			0
031.01	Phosphorus, Photometric (%)	0529	3.155	0.0300				1			0
031.03	Phosphorus, Autoanalyzer (%)	0001	3.302	0.0130				1			0
031.41	Phosphorus, ICP, Dry ash (%)	1023	1.210	0.0600	3.232	0.2175	0.0343	9	-9.30	31%	0
031.41	Phosphorus, ICP, Dry ash (%)	0164	3.005	0.0700	3.232	0.2175	0.0343	9	-1.05	4%	0
031.41	Phosphorus, ICP, Dry ash (%)	1024	3.150	0.0400	3.232	0.2175	0.0343	9	-0.38	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	1020	3.230	0.0000	3.232	0.2175	0.0343	9	-0.01	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0171	3.245	0.0100	3.232	0.2175	0.0343	9	0.06	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0098	3.257	0.0160	3.232	0.2175	0.0343	9	0.11	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0619	3.360	0.0200	3.232	0.2175	0.0343	9	0.59	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0407	3.462	0.0175	3.232	0.2175	0.0343	9	1.06	4%	0
031.41	Phosphorus, ICP, Dry ash (%)	2232	3.477	0.0750	3.232	0.2175	0.0343	9	1.12	4%	0
031.42	Phosphorus, ICP, Open vessel (%)	0047	3.400	0.2000				3			0
031.42	Phosphorus, ICP, Open vessel (%)	2207	3.545	0.0100				3			0
031.42	Phosphorus, ICP, Open vessel (%)	0870	3.557	0.0760				3			0
031.43	Phosphorus, ICP, Microwave (%)	0511	2.915	0.0300	3.235	0.1398	0.1232	14	-2.29	5%	0
031.43	Phosphorus, ICP, Microwave (%)	2124	3.050	0.0600	3.235	0.1398	0.1232	14	-1.32	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0407	3.079	0.0135	3.235	0.1398	0.1232	14	-1.11	2%	0
031.43	Phosphorus, ICP, Microwave (%)	2089	3.180	0.0800	3.235	0.1398	0.1232	14	-0.39	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0042	3.195	0.2900	3.235	0.1398	0.1232	14	-0.28	1%	0
031.43	Phosphorus, ICP, Microwave (%)	2033	3.215	0.0100	3.235	0.1398	0.1232	14	-0.14	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0510	3.230	0.0200	3.235	0.1398	0.1232	14	-0.03	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0027	3.272	0.2920	3.235	0.1398	0.1232	14	0.27	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0918	3.279	0.0310	3.235	0.1398	0.1232	14	0.31	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0098	3.284	0.2810	3.235	0.1398	0.1232	14	0.35	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0010	3.300	0.2600	3.235	0.1398	0.1232	14	0.47	1%	0
031.43	Phosphorus, ICP, Microwave (%)	2187	3.331	0.0489	3.235	0.1398	0.1232	14	0.69	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0870	3.400	0.2390	3.235	0.1398	0.1232	14	1.18	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0001	3.485	0.0700	3.235	0.1398	0.1232	14	1.79	4%	0
031.44	Phosphorus, ICP, Dry ash (%)	2219	3.030	0.2260	3.183	0.1324	0.1881	10	-1.15	2%	0
031.44	Phosphorus, ICP, Dry ash (%)	2156	3.106	0.0470	3.183	0.1324	0.1881	10	-0.58	1%	0
031.44	Phosphorus, ICP, Dry ash (%)	2220	3.120	0.2000	3.183	0.1324	0.1881	10	-0.47	1%	0
031.44	Phosphorus, ICP, Dry ash (%)	2293	3.120	0.2200	3.183	0.1324	0.1881	10	-0.47	1%	0
031.44	Phosphorus, ICP, Dry ash (%)	2252	3.126	0.1380	3.183	0.1324	0.1881	10	-0.43	1%	0
031.44	Phosphorus, ICP, Dry ash (%)	2331	3.145	0.3700	3.183	0.1324	0.1881	10	-0.28	1%	0
031.44	Phosphorus, ICP, Dry ash (%)	2330	3.150	0.3400	3.183	0.1324	0.1881	10	-0.25	1%	0
031.44	Phosphorus, ICP, Dry ash (%)	0065	3.310	0.0400	3.183	0.1324	0.1881	10	0.96	2%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
031.44	Phosphorus, ICP, Dry ash (%)	0910	3.340	0.2800	3.183	0.1324	0.1881	10	1.19	2%	0
031.44	Phosphorus, ICP, Dry ash (%)	1022	3.380	0.0200	3.183	0.1324	0.1881	10	1.49	3%	0
031.53	Phosphorus, ICP-MS, Microwave (%)	0553	2.790	0.7800				2			0
031.53	Phosphorus, ICP-MS, Microwave (%)	0407	3.356	0.0591				2			0
031.99	Phosphorus, Miscellaneous (%)	0889	2.115	0.0100				3			0
031.99	Phosphorus, Miscellaneous (%)	0676	3.280	0.0600				3			0
031.99	Phosphorus, Miscellaneous (%)	0242	3.350	0.0600				3			0
032.31	Potassium, AAS, Dry ash (%)	0529	0.9650	0.0100	1.173	0.1399	0.0090	4			0
032.31	Potassium, AAS, Dry ash (%)	0001	1.226	0.0060	1.173	0.1399	0.0090	4			0
032.31	Potassium, AAS, Dry ash (%)	0208	1.230	0.0200	1.173	0.1399	0.0090	4			0
032.31	Potassium, AAS, Dry ash (%)	0656	1.270	0.0000	1.173	0.1399	0.0090	4			0
032.41	Potassium, ICP, Dry ash (%)	0619	1.075	0.0100	1.181	0.0707	0.0345	11	-1.50	4%	0
032.41	Potassium, ICP, Dry ash (%)	0910	1.125	0.0700	1.181	0.0707	0.0345	11	-0.79	2%	0
032.41	Potassium, ICP, Dry ash (%)	0208	1.128	0.0260	1.181	0.0707	0.0345	11	-0.75	2%	0
032.41	Potassium, ICP, Dry ash (%)	0407	1.141	0.0267	1.181	0.0707	0.0345	11	-0.56	2%	0
032.41	Potassium, ICP, Dry ash (%)	0164	1.165	0.0100	1.181	0.0707	0.0345	11	-0.22	1%	0
032.41	Potassium, ICP, Dry ash (%)	1020	1.170	0.0200	1.181	0.0707	0.0345	11	-0.15	0%	0
032.41	Potassium, ICP, Dry ash (%)	1023	1.210	0.0600	1.181	0.0707	0.0345	11	0.41	1%	0
032.41	Potassium, ICP, Dry ash (%)	0171	1.213	0.0070	1.181	0.0707	0.0345	11	0.45	1%	0
032.41	Potassium, ICP, Dry ash (%)	0098	1.225	0.0500	1.181	0.0707	0.0345	11	0.63	2%	0
032.41	Potassium, ICP, Dry ash (%)	1024	1.250	0.0800	1.181	0.0707	0.0345	11	0.98	3%	0
032.41	Potassium, ICP, Dry ash (%)	2232	1.306	0.0200	1.181	0.0707	0.0345	11	1.77	5%	0
032.42	Potassium, ICP, Open vessel (%)	0047	1.250	0.1000				3			0
032.42	Potassium, ICP, Open vessel (%)	0870	1.281	0.0240				3			0
032.42	Potassium, ICP, Open vessel (%)	2207	1.370	0.0800				3			0
032.43	Potassium, ICP, Microwave (%)	2136	1.025	0.0500	1.211	0.0706	0.0196	14	-2.63	8%	0
032.43	Potassium, ICP, Microwave (%)	0511	1.085	0.0100	1.211	0.0706	0.0196	14	-1.78	5%	0
032.43	Potassium, ICP, Microwave (%)	2089	1.160	0.0200	1.211	0.0706	0.0196	14	-0.72	2%	0
032.43	Potassium, ICP, Microwave (%)	0870	1.173	0.0330	1.211	0.0706	0.0196	14	-0.54	2%	0
032.43	Potassium, ICP, Microwave (%)	0042	1.175	0.0100	1.211	0.0706	0.0196	14	-0.51	1%	0
032.43	Potassium, ICP, Microwave (%)	0918	1.193	0.0040	1.211	0.0706	0.0196	14	-0.25	1%	0
032.43	Potassium, ICP, Microwave (%)	0098	1.225	0.0300	1.211	0.0706	0.0196	14	0.20	1%	0
032.43	Potassium, ICP, Microwave (%)	0010	1.230	0.0200	1.211	0.0706	0.0196	14	0.27	1%	0
032.43	Potassium, ICP, Microwave (%)	2124	1.240	0.0400	1.211	0.0706	0.0196	14	0.41	1%	0
032.43	Potassium, ICP, Microwave (%)	2187	1.240	0.0080	1.211	0.0706	0.0196	14	0.42	1%	0
032.43	Potassium, ICP, Microwave (%)	0027	1.245	0.0150	1.211	0.0706	0.0196	14	0.48	1%	0
032.43	Potassium, ICP, Microwave (%)	0407	1.256	0.0244	1.211	0.0706	0.0196	14	0.64	2%	0
032.43	Potassium, ICP, Microwave (%)	2033	1.300	0.0000	1.211	0.0706	0.0196	14	1.26	4%	0
032.43	Potassium, ICP, Microwave (%)	0510	1.305	0.0100	1.211	0.0706	0.0196	14	1.33	4%	0
032.44	Potassium, ICP, Dry ash (%)	2219	1.146	0.0470	1.209	0.0514	0.0747	9	-1.23	3%	0
032.44	Potassium, ICP, Dry ash (%)	2252	1.166	0.0510	1.209	0.0514	0.0747	9	-0.84	2%	0
032.44	Potassium, ICP, Dry ash (%)	2156	1.181	0.0340	1.209	0.0514	0.0747	9	-0.54	1%	0

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032.44	Potassium, ICP, Dry ash (%)	2331	1.200	0.1600	1.209	0.0514	0.0747	9	-0.17	0%	0
032.44	Potassium, ICP, Dry ash (%)	2293	1.205	0.1100	1.209	0.0514	0.0747	9	-0.07	0%	0
032.44	Potassium, ICP, Dry ash (%)	2330	1.210	0.1600	1.209	0.0514	0.0747	9	0.03	0%	0
032.44	Potassium, ICP, Dry ash (%)	2220	1.215	0.0900	1.209	0.0514	0.0747	9	0.12	0%	0
032.44	Potassium, ICP, Dry ash (%)	0065	1.270	0.0200	1.209	0.0514	0.0747	9	1.19	3%	0
032.44	Potassium, ICP, Dry ash (%)	1022	1.290	0.0000	1.209	0.0514	0.0747	9	1.58	3%	0
032.53	Potassium, ICP-MS, Microwave (%)	0553	1.145	0.0100				2			0
032.53	Potassium, ICP-MS, Microwave (%)	0407	1.154	0.0518				2			0
032.99	Potassium, Miscellaneous (%)	0242	1.190	0.0200				2			0
032.99	Potassium, Miscellaneous (%)	0889	1.265	0.0100				2			0
033.00	Salt as chloride, Sol Cl (%)	0171	1.770	0.0000				2			0
033.00	Salt as chloride, Sol Cl (%)	0309	1.830	0.0031				2			0
033.01	Salt as chloride, Poten Cl (%)	0098	1.130	0.0200	1.625	0.4156	0.0122	6	-1.19	15%	0
033.01	Salt as chloride, Poten Cl (%)	0510	1.205	0.0300	1.625	0.4156	0.0122	6	-1.01	13%	0
033.01	Salt as chloride, Poten Cl (%)	0619	1.700	0.0000	1.625	0.4156	0.0122	6	0.18	2%	0
033.01	Salt as chloride, Poten Cl (%)	0407	1.831	0.0130	1.625	0.4156	0.0122	6	0.49	6%	0
033.01	Salt as chloride, Poten Cl (%)	0164	1.925	0.0100	1.625	0.4156	0.0122	6	0.72	9%	0
033.01	Salt as chloride, Poten Cl (%)	0242	1.960	0.0000	1.625	0.4156	0.0122	6	0.81	10%	0
033.99	Salt, Miscellaneous (%)	0650	1.840	0.0400				1			0
034.04	Selenium, Total (Se), AA, Hydride (ppm)	0171	1.710	0.1800				1			0
034.51	Selenium, Total (Se), ICP-MS, Dry Ash (ppm)	0910	2.230	0.6400				1			0
034.52	Selenium, Total (Se), ICP-MS, Open vessel (ppm)	0047	2.210	0.3000				2			0
034.52	Selenium, Total (Se), ICP-MS, Open vessel (ppm)	2207	2.600	0.0000				2			0
034.53	Selenium, Total (Se), ICP-MS, Microwave (ppm)	0164	1.855	0.0100	2.507	0.5103	0.1271	5			0
034.53	Selenium, Total (Se), ICP-MS, Microwave (ppm)	0553	2.085	0.1500	2.507	0.5103	0.1271	5			0
034.53	Selenium, Total (Se), ICP-MS, Microwave (ppm)	0407	2.703	0.0920	2.507	0.5103	0.1271	5			0
034.53	Selenium, Total (Se), ICP-MS, Microwave (ppm)	2033	2.855	0.0100	2.507	0.5103	0.1271	5			0
034.53	Selenium, Total (Se), ICP-MS, Microwave (ppm)	0918	3.035	0.3735	2.507	0.5103	0.1271	5			0
035.31	Sodium, AAS, Dry ash (%)	0529	0.9475	0.0010				2			0
035.31	Sodium, AAS, Dry ash (%)	0656	1.080	0.0000				2			0
035.41	Sodium, ICP, Dry ash (%)	0407	0.9369	0.0397	1.057	0.0623	0.0512	19	-1.92	6%	0
035.41	Sodium, ICP, Dry ash (%)	0164	0.9675	0.0010	1.057	0.0623	0.0512	19	-1.43	4%	0
035.41	Sodium, ICP, Dry ash (%)	0619	0.9770	0.0120	1.057	0.0623	0.0512	19	-1.28	4%	0
035.41	Sodium, ICP, Dry ash (%)	0171	1.010	0.0000	1.057	0.0623	0.0512	19	-0.75	2%	0
035.41	Sodium, ICP, Dry ash (%)	0910	1.010	0.0200	1.057	0.0623	0.0512	19	-0.75	2%	0
035.41	Sodium, ICP, Dry ash (%)	1020	1.010	0.0200	1.057	0.0623	0.0512	19	-0.75	2%	0
035.41	Sodium, ICP, Dry ash (%)	2219	1.051	0.0370	1.057	0.0623	0.0512	19	-0.10	0%	0
035.41	Sodium, ICP, Dry ash (%)	0098	1.055	0.0100	1.057	0.0623	0.0512	19	-0.03	0%	0
035.41	Sodium, ICP, Dry ash (%)	1023	1.060	0.0600	1.057	0.0623	0.0512	19	0.05	0%	0
035.41	Sodium, ICP, Dry ash (%)	2252	1.063	0.0440	1.057	0.0623	0.0512	19	0.10	0%	0
035.41	Sodium, ICP, Dry ash (%)	2156	1.080	0.0390	1.057	0.0623	0.0512	19	0.37	1%	0
035.41	Sodium, ICP, Dry ash (%)	2293	1.080	0.1400	1.057	0.0623	0.0512	19	0.38	1%	0

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035.41	Sodium, ICP, Dry ash (%)	2330	1.080	0.1600	1.057	0.0623	0.0512	19	0.38	1%	0
035.41	Sodium, ICP, Dry ash (%)	2331	1.080	0.1800	1.057	0.0623	0.0512	19	0.38	1%	0
035.41	Sodium, ICP, Dry ash (%)	2220	1.085	0.0900	1.057	0.0623	0.0512	19	0.46	1%	0
035.41	Sodium, ICP, Dry ash (%)	1024	1.100	0.0800	1.057	0.0623	0.0512	19	0.70	2%	0
035.41	Sodium, ICP, Dry ash (%)	0065	1.105	0.0100	1.057	0.0623	0.0512	19	0.78	2%	0
035.41	Sodium, ICP, Dry ash (%)	2232	1.161	0.0300	1.057	0.0623	0.0512	19	1.68	5%	0
035.41	Sodium, ICP, Dry ash (%)	1022	1.180	0.0000	1.057	0.0623	0.0512	19	1.98	6%	0
035.42	Sodium, ICP, Open vessel (%)	0870	1.108	0.0260				2			0
035.42	Sodium, ICP, Open vessel (%)	2207	1.195	0.0700				2			0
035.43	Sodium, ICP, Microwave (%)	0407	0.9507	0.0275	1.045	0.0587	0.0130	12	-1.60	5%	0
035.43	Sodium, ICP, Microwave (%)	0510	0.9605	0.0030	1.045	0.0587	0.0130	12	-1.44	4%	0
035.43	Sodium, ICP, Microwave (%)	2187	1.022	0.0010	1.045	0.0587	0.0130	12	-0.39	1%	0
035.43	Sodium, ICP, Microwave (%)	2089	1.030	0.0000	1.045	0.0587	0.0130	12	-0.25	1%	0
035.43	Sodium, ICP, Microwave (%)	0918	1.033	0.0010	1.045	0.0587	0.0130	12	-0.21	1%	0
035.43	Sodium, ICP, Microwave (%)	2124	1.035	0.0300	1.045	0.0587	0.0130	12	-0.17	0%	0
035.43	Sodium, ICP, Microwave (%)	0042	1.040	0.0200	1.045	0.0587	0.0130	12	-0.08	0%	0
035.43	Sodium, ICP, Microwave (%)	0098	1.065	0.0100	1.045	0.0587	0.0130	12	0.35	1%	0
035.43	Sodium, ICP, Microwave (%)	0870	1.067	0.0290	1.045	0.0587	0.0130	12	0.37	1%	0
035.43	Sodium, ICP, Microwave (%)	2033	1.100	0.0000	1.045	0.0587	0.0130	12	0.94	3%	0
035.43	Sodium, ICP, Microwave (%)	0027	1.114	0.0250	1.045	0.0587	0.0130	12	1.17	3%	0
035.43	Sodium, ICP, Microwave (%)	0010	1.115	0.0100	1.045	0.0587	0.0130	12	1.20	3%	0
035.53	Sodium, ICP-MS, Microwave (%)	0407	0.9616	0.0049				2			0
035.53	Sodium, ICP-MS, Microwave (%)	0553	1.014	0.0520				2			0
035.99	Sodium, Miscellaneous (%)	0889	0.1100	0.0000				2			0
035.99	Sodium, Miscellaneous (%)	0242	1.050	0.0000				2			0
036.42	Sulfur, ICP, Open vessel (%)	0870	0.9027	0.0027	0.9181	0.0133	0.0050	4			0
036.42	Sulfur, ICP, Open vessel (%)	0171	0.9150	0.0100	0.9181	0.0133	0.0050	4			0
036.42	Sulfur, ICP, Open vessel (%)	0164	0.9200	0.0000	0.9181	0.0133	0.0050	4			0
036.42	Sulfur, ICP, Open vessel (%)	0407	0.9348	0.0074	0.9181	0.0133	0.0050	4			0
036.43	Sulfur, ICP, Microwave (%)	0042	0.8690	0.0300	0.9322	0.0510	0.0168	7	-1.24	3%	0
036.43	Sulfur, ICP, Microwave (%)	0870	0.8706	0.0035	0.9322	0.0510	0.0168	7	-1.21	3%	0
036.43	Sulfur, ICP, Microwave (%)	0918	0.9430	0.0140	0.9322	0.0510	0.0168	7	0.21	1%	0
036.43	Sulfur, ICP, Microwave (%)	2033	0.9450	0.0100	0.9322	0.0510	0.0168	7	0.25	1%	0
036.43	Sulfur, ICP, Microwave (%)	0510	0.9500	0.0000	0.9322	0.0510	0.0168	7	0.35	1%	0
036.43	Sulfur, ICP, Microwave (%)	0407	0.9631	0.0499	0.9322	0.0510	0.0168	7	0.60	2%	0
036.43	Sulfur, ICP, Microwave (%)	2089	0.9850	0.0100	0.9322	0.0510	0.0168	7	1.03	3%	0
036.53	Sulfur, ICP-MS, Microwave (%)	0553	0.9025	0.0150				1			0
036.99	Sulfur, Miscellaneous (%)	0889	0.8200	0.0000				2			0
036.99	Sulfur, Miscellaneous (%)	0242	0.8500	0.0000				2			0
037.31	Zinc, AAS, Dry ash (ppm)	0529	73.70	8.200				3			0
037.31	Zinc, AAS, Dry ash (ppm)	0001	91.80	7.570				3			0
037.31	Zinc, AAS, Dry ash (ppm)	0656	117.3	0.0000				3			0

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037.33	Zinc, AAS, Microwave (ppm)	0010	90.00	0.0000				1			0
037.41	Zinc, ICP, Dry ash (ppm)	0171	69.50	1.800	79.54	9.158	1.932	6	-1.10	6%	0
037.41	Zinc, ICP, Dry ash (ppm)	0164	72.00	0.0000	79.54	9.158	1.932	6	-0.82	5%	0
037.41	Zinc, ICP, Dry ash (ppm)	0619	77.65	2.900	79.54	9.158	1.932	6	-0.21	1%	0
037.41	Zinc, ICP, Dry ash (ppm)	0910	83.00	0.0000	79.54	9.158	1.932	6	0.38	2%	0
037.41	Zinc, ICP, Dry ash (ppm)	0098	84.00	3.450	79.54	9.158	1.932	6	0.49	3%	0
037.41	Zinc, ICP, Dry ash (ppm)	0407	91.08	3.442	79.54	9.158	1.932	6	1.26	7%	0
037.42	Zinc, ICP, Open vessel (ppm)	0870	87.35	0.5200				2			0
037.42	Zinc, ICP, Open vessel (ppm)	2207	95.00	4.000				2			0
037.43	Zinc, ICP, Microwave (ppm)	0918	84.75	0.5400	89.57	2.402	3.311	11	-2.01	3%	0
037.43	Zinc, ICP, Microwave (ppm)	2124	87.47	4.120	89.57	2.402	3.311	11	-0.87	1%	0
037.43	Zinc, ICP, Microwave (ppm)	0870	88.22	5.530	89.57	2.402	3.311	11	-0.56	1%	0
037.43	Zinc, ICP, Microwave (ppm)	0042	88.55	3.300	89.57	2.402	3.311	11	-0.42	1%	0
037.43	Zinc, ICP, Microwave (ppm)	0098	88.91	5.510	89.57	2.402	3.311	11	-0.28	0%	0
037.43	Zinc, ICP, Microwave (ppm)	0511	88.99	0.5800	89.57	2.402	3.311	11	-0.24	0%	0
037.43	Zinc, ICP, Microwave (ppm)	2089	89.68	3.350	89.57	2.402	3.311	11	0.04	0%	0
037.43	Zinc, ICP, Microwave (ppm)	0510	91.00	2.000	89.57	2.402	3.311	11	0.60	1%	0
037.43	Zinc, ICP, Microwave (ppm)	0027	91.52	5.043	89.57	2.402	3.311	11	0.81	1%	0
037.43	Zinc, ICP, Microwave (ppm)	2033	91.80	3.400	89.57	2.402	3.311	11	0.93	1%	0
037.43	Zinc, ICP, Microwave (ppm)	0407	96.69	3.046	89.57	2.402	3.311	11	2.96	4%	0
037.52	Zinc, ICP-MS, Open vessel (ppm)	0047	98.73	1.920				1			0
037.53	Zinc, ICP-MS, Microwave (ppm)	0407	85.39	0.8677				2			0
037.53	Zinc, ICP-MS, Microwave (ppm)	0553	89.90	16.20				2			0
037.99	Zinc, Miscellaneous (ppm)	0242	86.00	2.000				2			0
037.99	Zinc, Miscellaneous (ppm)	0889	88.32	0.0000				2			0
038.41	Molybdenum, ICP, Dry ash (ppm)	0171	0.5050	0.0500				2			0
038.41	Molybdenum, ICP, Dry ash (ppm)	0407	0.6535	0.0278				2			0
038.43	Molybdenum, ICP, Microwave (ppm)	0510	0.6500	0.1000				2			0
038.43	Molybdenum, ICP, Microwave (ppm)	0407	0.6620	0.3043				2			0
038.53	Molybdenum, ICP-MS, Microwave (ppm)	0553	0.7885	0.0030				3			0
038.53	Molybdenum, ICP-MS, Microwave (ppm)	0407	0.7930	0.0020				3			0
038.53	Molybdenum, ICP-MS, Microwave (ppm)	0918	0.9563	0.0054				3			0
038.53	Molybdenum, ICP-MS, Microwave (ppm)	0164	0.7600	0.0380				3			1
040.53	Barium, ICP-MS, Microwave (ppm)	0511	13.87	0.0600				3			0
040.53	Barium, ICP-MS, Microwave (ppm)	0407	14.42	0.1250				3			0
040.53	Barium, ICP-MS, Microwave (ppm)	0918	14.42	1.067				3			0
041.53	Vanadium, ICP-MS, Microwave (ppm)	0553	4.985	0.1900				2			0
041.53	Vanadium, ICP-MS, Microwave (ppm)	0407	5.073	0.1380				2			0
101.02	Choline Chloride, LC (ppm)	0227	3,265	70.00				1			0
102.01	Niacin, Microbiological (ppm)	0227	136.5	1.000				1			0
102.02	Niacin, LC (ppm)	0010	83.20	1.400				1			0
103.01	Pantothenic Acid, Microbiological (ppm)	0227	15.20	0.2000				1			0

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103.02	Pantothenic Acid, LC (ppm)	0010	19.75	0.1000				1		0	
104.00	Riboflavin, Fluorometric (ppm)	0171	1.350	0.1000				2		0	
104.00	Riboflavin, Fluorometric (ppm)	0227	6.510	0.0400				2		0	
104.03	Riboflavin, LC (ppm)	0910	1.170	0.0000				2		0	
104.03	Riboflavin, LC (ppm)	0010	1.700	0.0000				2		0	
105.00	Thiamine, LC (ppm)	0910	0.3900	0.0000				1		0	
105.00	Thiamine, LC (ppm)	2250	< 0.05					1		5	
105.00	Thiamine, LC (ppm)	0010	< 5					1		5	
105.01	Thiamine, Fluorometer (ppm)	0227	< 0.087					0		5	
106.02	Vitamin A, LC (KU / kg)	0676	0.7850	0.0300				2		0	
106.02	Vitamin A, LC (KU / kg)	0227	0.8045	0.0810				2		0	
107.00	Vitamin B12, Microbiological (ppb)	0227	176.0	14.00				1		0	
108.02	Vitamin D3, LC (KU / kg)	0227	2.480	0.0400				1		0	
109.02	Vitamin E, LC (IU / kg)	0227	5.420	0.4400				3		0	
109.02	Vitamin E, LC (IU / kg)	0910	9.400	0.0000				3		0	
109.02	Vitamin E, LC (IU / kg)	0676	14.85	0.3000				3		0	
109.02	Vitamin E, LC (IU / kg)	0918	355.0	370.0				3		2	
112.01	Pyridoxine, LC (µg / g)	0227	2.275	0.0100				1		0	
112.01	Pyridoxine, LC (µg / g)	2250	< 0.05					1		5	
112.01	Pyridoxine, LC (µg / g)	0010	< 5					1		5	
113.99	Folic acid, Miscellaneous (ppm)	0227	0.5180	0.0220				1		0	
114.01	Biotin, Microbiological (ppm)	0227	0.3835	0.0010				1		0	
114.99	Biotin, Miscellaneous (ppm)	0010	< 0.5					0		5	
120.00	Alanine, Post-col Ninhydrin Der (%)	0171	3.930	0.0000	4.164	0.2122	0.0564	5		0	
120.00	Alanine, Post-col Ninhydrin Der (%)	0870	4.081	0.0695	4.164	0.2122	0.0564	5		0	
120.00	Alanine, Post-col Ninhydrin Der (%)	0910	4.120	0.0000	4.164	0.2122	0.0564	5		0	
120.00	Alanine, Post-col Ninhydrin Der (%)	0504	4.185	0.1100	4.164	0.2122	0.0564	5		0	
120.00	Alanine, Post-col Ninhydrin Der (%)	0918	4.505	0.1026	4.164	0.2122	0.0564	5		0	
120.05	Alanine, Pre-col AQC Der (%)	0407	4.109	0.1010				2		0	
120.05	Alanine, Pre-col AQC Der (%)	0676	4.190	0.0600				2		0	
120.99	Alanine, Miscellaneous (%)	0889	3.450	0.0000				3		0	
120.99	Alanine, Miscellaneous (%)	0160	3.490	0.0800				3		0	
120.99	Alanine, Miscellaneous (%)	0227	4.310	0.1000				3		0	
121.00	Arginine, Post-col Ninhydrin Der (%)	0910	3.820	0.0000	3.852	0.0383	0.0579	4		0	
121.00	Arginine, Post-col Ninhydrin Der (%)	0870	3.823	0.0430	3.852	0.0383	0.0579	4		0	
121.00	Arginine, Post-col Ninhydrin Der (%)	0918	3.867	0.0285	3.852	0.0383	0.0579	4		0	
121.00	Arginine, Post-col Ninhydrin Der (%)	0504	3.900	0.1600	3.852	0.0383	0.0579	4		0	
121.00	Arginine, Post-col Ninhydrin Der (%)	0171	4.265	0.0500	3.852	0.0383	0.0579	4		2	
121.05	Arginine, Pre-col AQC Der (%)	0676	3.895	0.1300				2		0	
121.05	Arginine, Pre-col AQC Der (%)	0407	4.330	0.1410				2		0	
121.99	Arginine, Miscellaneous (%)	0160	3.650	0.1800				3		0	
121.99	Arginine, Miscellaneous (%)	0889	3.885	0.0100				3		0	

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121.99	Arginine, Miscellaneous (%)	0227	3.910	0.0800				3			0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0918	5.610	0.1328	5.691	0.0684	0.0761	5			0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0171	5.660	0.0400	5.691	0.0684	0.0761	5			0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0910	5.660	0.0000	5.691	0.0684	0.0761	5			0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0870	5.760	0.0577	5.691	0.0684	0.0761	5			0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0504	5.765	0.1500	5.691	0.0684	0.0761	5			0
122.05	Aspartic, Pre-col AQC Der (%)	0407	4.715	0.2840				2			0
122.05	Aspartic, Pre-col AQC Der (%)	0676	6.570	0.3000				2			0
122.99	Aspartic, Miscellaneous (%)	0160	5.230	0.0400				3			0
122.99	Aspartic, Miscellaneous (%)	0889	5.515	0.0300				3			0
122.99	Aspartic, Miscellaneous (%)	0227	5.695	0.0500				3			0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0870	0.4369	0.0192	0.5063	0.0739	0.0083	7	-0.94	7%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0918	0.4500	0.0000	0.5063	0.0739	0.0083	7	-0.76	6%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0160	0.4550	0.0100	0.5063	0.0739	0.0083	7	-0.69	5%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0227	0.5100	0.0000	0.5063	0.0739	0.0083	7	0.05	0%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0910	0.5200	0.0000	0.5063	0.0739	0.0083	7	0.19	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0504	0.5550	0.0100	0.5063	0.0739	0.0083	7	0.66	5%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0171	0.6175	0.0190	0.5063	0.0739	0.0083	7	1.51	11%	0
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0676	0.5700	0.0000				2			0
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0407	0.6358	0.1561				2			0
124.99	Cysteine/Cystine, Miscellaneous (%)	0889	0.5400	0.0000				1			0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0870	8.156	0.0751	8.236	0.1124	0.0313	4			0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0918	8.171	0.0000	8.236	0.1124	0.0313	4			0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0171	8.215	0.0500	8.236	0.1124	0.0313	4			0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0910	8.400	0.0000	8.236	0.1124	0.0313	4			0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0504	8.495	0.6300	8.236	0.1124	0.0313	4			1
125.05	Glutamic, Pre-col AQC Der (%)	0407	7.485	0.1000				2			0
125.05	Glutamic, Pre-col AQC Der (%)	0676	7.750	0.1000				2			0
125.99	Glutamic, Miscellaneous (%)	0889	6.140	0.0800				3			0
125.99	Glutamic, Miscellaneous (%)	0160	6.895	0.1100				3			0
125.99	Glutamic, Miscellaneous (%)	0227	8.200	0.0600				3			0
126.00	Glycine, Post-col Ninhydrin Der (%)	0870	5.191	0.1261	5.315	0.1395	0.0585	5			0
126.00	Glycine, Post-col Ninhydrin Der (%)	0910	5.230	0.0000	5.315	0.1395	0.0585	5			0
126.00	Glycine, Post-col Ninhydrin Der (%)	0504	5.260	0.0800	5.315	0.1395	0.0585	5			0
126.00	Glycine, Post-col Ninhydrin Der (%)	0171	5.355	0.0500	5.315	0.1395	0.0585	5			0
126.00	Glycine, Post-col Ninhydrin Der (%)	0918	5.540	0.0364	5.315	0.1395	0.0585	5			0
126.05	Glycine, Pre-col AQC Der (%)	0676	5.180	0.1200				2			0
126.05	Glycine, Pre-col AQC Der (%)	0407	6.397	0.3480				2			0
126.99	Glycine, Miscellaneous (%)	0889	1.175	0.0100				3			0
126.99	Glycine, Miscellaneous (%)	0160	5.225	0.2500				3			0
126.99	Glycine, Miscellaneous (%)	0227	5.580	0.1800				3			0
127.00	Histidine, Post-col Ninhydrin Der (%)	0171	1.515	0.0300	1.599	0.0567	0.0116	5			0

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127.00	Histidine, Post-col Ninhydrin Der (%)	0504	1.580	0.0200	1.599	0.0567	0.0116	5		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0910	1.600	0.0000	1.599	0.0567	0.0116	5		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0870	1.639	0.0046	1.599	0.0567	0.0116	5		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0918	1.661	0.0036	1.599	0.0567	0.0116	5		0	
127.05	Histidine, Pre-col AQC Der (%)	0676	1.435	0.0500				2		0	
127.05	Histidine, Pre-col AQC Der (%)	0407	1.743	0.0260				2		0	
127.99	Histidine, Miscellaneous (%)	0889	1.175	0.0100				3		0	
127.99	Histidine, Miscellaneous (%)	0160	1.505	0.0500				3		0	
127.99	Histidine, Miscellaneous (%)	0227	1.555	0.0500				3		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0870	2.270	0.0513	2.390	0.1517	0.0396	5		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0918	2.301	0.0467	2.390	0.1517	0.0396	5		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0171	2.325	0.0500	2.390	0.1517	0.0396	5		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0910	2.410	0.0000	2.390	0.1517	0.0396	5		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0504	2.645	0.0500	2.390	0.1517	0.0396	5		0	
128.05	Isoleucine, Pre-col AQC Der (%)	0676	2.485	0.1300				2		0	
128.05	Isoleucine, Pre-col AQC Der (%)	0407	2.809	0.1370				2		0	
128.99	Isoleucine, Miscellaneous (%)	0889	1.815	0.0100				3		0	
128.99	Isoleucine, Miscellaneous (%)	0160	2.445	0.0300				3		0	
128.99	Isoleucine, Miscellaneous (%)	0227	2.590	0.0000				3		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0171	4.115	0.0500	4.304	0.1811	0.0577	5		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0870	4.134	0.0434	4.304	0.1811	0.0577	5		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0910	4.310	0.0000	4.304	0.1811	0.0577	5		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0504	4.435	0.0900	4.304	0.1811	0.0577	5		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0918	4.526	0.1049	4.304	0.1811	0.0577	5		0	
129.05	Leucine, Pre-col AQC Der (%)	0676	4.450	0.1600				2		0	
129.05	Leucine, Pre-col AQC Der (%)	0407	4.586	0.5230				2		0	
129.99	Leucine, Miscellaneous (%)	0889	3.670	0.0000				3		0	
129.99	Leucine, Miscellaneous (%)	0160	4.140	0.0400				3		0	
129.99	Leucine, Miscellaneous (%)	0227	4.475	0.1100				3		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0171	4.685	0.0500	4.879	0.1797	0.0546	5		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0910	4.690	0.0000	4.879	0.1797	0.0546	5		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0504	4.960	0.1000	4.879	0.1797	0.0546	5		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0870	4.989	0.0319	4.879	0.1797	0.0546	5		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0918	5.072	0.0909	4.879	0.1797	0.0546	5		0	
130.05	L-Lysine, Pre-col AQC Der (%)	0407	4.259	0.1390				2		0	
130.05	L-Lysine, Pre-col AQC Der (%)	0676	4.790	0.1200				2		0	
130.99	L-Lysine, Miscellaneous (%)	0889	2.485	0.0100				3		0	
130.99	L-Lysine, Miscellaneous (%)	0160	4.465	0.0100				3		0	
130.99	L-Lysine, Miscellaneous (%)	0227	4.830	0.0800				3		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0160	1.455	0.0100	1.638	0.1329	0.0219	7	-1.38	6%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0171	1.545	0.0100	1.638	0.1329	0.0219	7	-0.70	3%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0918	1.555	0.0300	1.638	0.1329	0.0219	7	-0.63	3%	0

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131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0227	1.710	0.0000	1.638	0.1329	0.0219	7	0.54	2%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0870	1.724	0.0835	1.638	0.1329	0.0219	7	0.65	3%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0504	1.740	0.0200	1.638	0.1329	0.0219	7	0.76	3%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0910	1.740	0.0000	1.638	0.1329	0.0219	7	0.76	3%	0
131.05	Methionine, PAO Pre-col AQC Der (%)	0407	1.470	0.3294				2			0
131.05	Methionine, PAO Pre-col AQC Der (%)	0676	1.670	0.0400				2			0
131.99	Methionine, Miscellaneous (%)	0889	0.8300	0.0000				1			0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0171	2.300	0.0400	2.420	0.1319	0.0310	5			0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0870	2.321	0.0330	2.420	0.1319	0.0310	5			0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0910	2.370	0.0000	2.420	0.1319	0.0310	5			0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0504	2.495	0.0100	2.420	0.1319	0.0310	5			0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0918	2.613	0.0722	2.420	0.1319	0.0310	5			0
132.05	Phenylalanine, Pre-col AQC Der (%)	0676	2.435	0.1100				2			0
132.05	Phenylalanine, Pre-col AQC Der (%)	0407	2.983	0.3520				2			0
132.99	Phenylalanine, Miscellaneous (%)	0160	2.350	0.0600				3			0
132.99	Phenylalanine, Miscellaneous (%)	0227	2.405	0.0300				3			0
132.99	Phenylalanine, Miscellaneous (%)	0889	2.690	0.0000				3			0
133.00	Proline, Post-col Ninhydrin Der (%)	0504	3.025	0.0700	3.084	0.0676	0.0442	4			0
133.00	Proline, Post-col Ninhydrin Der (%)	0870	3.035	0.0366	3.084	0.0676	0.0442	4			0
133.00	Proline, Post-col Ninhydrin Der (%)	0171	3.105	0.0700	3.084	0.0676	0.0442	4			0
133.00	Proline, Post-col Ninhydrin Der (%)	0910	3.170	0.0000	3.084	0.0676	0.0442	4			0
133.00	Proline, Post-col Ninhydrin Der (%)	0918	3.823	0.0672	3.084	0.0676	0.0442	4			2
133.05	Proline, Pre-col AQC Der (%)	0676	3.385	0.0700				2			0
133.05	Proline, Pre-col AQC Der (%)	0407	3.651	0.2710				2			0
133.99	Proline, Miscellaneous (%)	0889	2.760	0.0200				3			0
133.99	Proline, Miscellaneous (%)	0160	3.020	0.0000				3			0
133.99	Proline, Miscellaneous (%)	0227	3.355	0.0700				3			0
134.00	Serine, Post-col Ninhydrin Der (%)	0910	2.570	0.0000	2.650	0.0814	0.0240	4			0
134.00	Serine, Post-col Ninhydrin Der (%)	0171	2.625	0.0300	2.650	0.0814	0.0240	4			0
134.00	Serine, Post-col Ninhydrin Der (%)	0918	2.642	0.0469	2.650	0.0814	0.0240	4			0
134.00	Serine, Post-col Ninhydrin Der (%)	0870	2.763	0.0190	2.650	0.0814	0.0240	4			0
134.00	Serine, Post-col Ninhydrin Der (%)	0504	2.360	0.4200	2.650	0.0814	0.0240	4			1
134.05	Serine, Pre-col AQC Der (%)	0407	2.173	0.0480				2			0
134.05	Serine, Pre-col AQC Der (%)	0676	2.200	0.2600				2			0
134.99	Serine, Miscellaneous (%)	0227	2.465	0.1100				2			0
134.99	Serine, Miscellaneous (%)	0889	3.170	0.0000				2			0
135.00	Threonine, Post-col Ninhydrin Der (%)	0504	2.600	0.1400	2.655	0.0560	0.0647	5			0
135.00	Threonine, Post-col Ninhydrin Der (%)	0910	2.620	0.0000	2.655	0.0560	0.0647	5			0
135.00	Threonine, Post-col Ninhydrin Der (%)	0918	2.648	0.0958	2.655	0.0560	0.0647	5			0
135.00	Threonine, Post-col Ninhydrin Der (%)	0171	2.660	0.0600	2.655	0.0560	0.0647	5			0
135.00	Threonine, Post-col Ninhydrin Der (%)	0870	2.746	0.0275	2.655	0.0560	0.0647	5			0
135.05	Threonine, Pre-col AQC Der (%)	0407	2.486	0.2030				2			0

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135.05	Threonine, Pre-col AQC Der (%)	0676	2.610	0.0400				2		0	
135.99	Threonine, Miscellaneous (%)	0160	2.115	0.1100				3		0	
135.99	Threonine, Miscellaneous (%)	0889	2.385	0.0100				3		0	
135.99	Threonine, Miscellaneous (%)	0227	2.515	0.1100				3		0	
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0910	0.4950	0.0100	0.5370	0.0629	0.0053	4		0	
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0870	0.5028	0.0112	0.5370	0.0629	0.0053	4		0	
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0918	0.5200	0.0000	0.5370	0.0629	0.0053	4		0	
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0227	0.6300	0.0000	0.5370	0.0629	0.0053	4		0	
136.03	Tryptophan, Alka-Hydrol + IS RP LC FI (%)	2114	0.6230	0.0071				1		0	
136.05	Tryptophan, Pre-col AQC Der (%)	0407	0.5275	0.1830				1		0	
136.99	Tryptophan, Miscellaneous (%)	0160	0.6100	0.0600				3		0	
136.99	Tryptophan, Miscellaneous (%)	0504	0.7200	0.0400				3		0	
136.99	Tryptophan, Miscellaneous (%)	0889	1.560	0.0000				3		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0910	1.380	0.0000	1.807	0.3963	0.0092	4		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0870	1.607	0.0061	1.807	0.3963	0.0092	4		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0171	1.955	0.0100	1.807	0.3963	0.0092	4		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0918	2.284	0.0206	1.807	0.3963	0.0092	4		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0504	1.865	0.1500	1.807	0.3963	0.0092	4		1	
137.05	Tyrosine, Pre-col AQC Der (%)	0676	2.055	0.0100				2		0	
137.05	Tyrosine, Pre-col AQC Der (%)	0407	2.118	0.2460				2		0	
137.99	Tyrosine, Miscellaneous (%)	0889	1.555	0.0000				3		0	
137.99	Tyrosine, Miscellaneous (%)	0227	1.850	0.0200				3		0	
137.99	Tyrosine, Miscellaneous (%)	0160	1.945	0.0100				3		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0171	2.705	0.0500	2.866	0.1516	0.0493	5		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0870	2.741	0.0746	2.866	0.1516	0.0493	5		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0910	2.870	0.0000	2.866	0.1516	0.0493	5		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0918	2.934	0.0818	2.866	0.1516	0.0493	5		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0504	3.080	0.0400	2.866	0.1516	0.0493	5		0	
138.05	Valine, Pre-col AQC Der (%)	0676	3.200	0.1400				2		0	
138.05	Valine, Pre-col AQC Der (%)	0407	3.428	0.1770				2		0	
138.99	Valine, Miscellaneous (%)	0889	2.778	0.0050				3		0	
138.99	Valine, Miscellaneous (%)	0160	2.810	0.1200				3		0	
138.99	Valine, Miscellaneous (%)	0227	3.060	0.0600				3		0	
139.00	Taurine, Post-col Ninhydrin Der (%)	0171	0.6685	0.0190				2		0	
139.00	Taurine, Post-col Ninhydrin Der (%)	0504	0.7300	0.0000				2		0	
139.05	Taurine, Pre-col AQC Der (%)	0407	0.0035	0.0030				2		0	
139.05	Taurine, Pre-col AQC Der (%)	0676	0.6700	0.0400				2		0	
139.99	Taurine, Miscellaneous (%)	0889	0.2425	0.0050				2		0	
139.99	Taurine, Miscellaneous (%)	0227	0.7400	0.0000				2		0	
160.99	Fructose, Miscellaneous (%)	0227	< 0.15					0		5	
162.99	Glucose, Miscellaneous (%)	0227	< 0.15					0		5	
163.99	Lactose, Miscellaneous (%)	0227	< 0.15					0		5	

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
164.99	Maltose, Miscellaneous (%)	0227	< 0.15						0		5
165.99	Sucrose, Miscellaneous (%)	0227	< 0.15						0		5
166.99	Raffinose, Miscellaneous (%)	0227	< 0.05						0		5
167.99	Stachyose, Miscellaneous (%)	0227	< 0.05						0		5
353.99	Coumaphos, Miscellaneous (ppm)	0171	360.5	1.000					1		0
400.01	Water Activity, Aqualab chilled mirror (Units)	0407	0.4075	0.0028					1		0
400.99	Water Activity, Miscellaneous (Units)	2083	0.3900	0.0000					1		0
516.00	Arsenic, Total (As), AA, Hydride (ppm)	0171	5.025	0.4700					1		0
516.43	Arsenic, Total (As), ICP, Microwave (ppm)	0407	5.553	0.2397					2		0
516.43	Arsenic, Total (As), ICP, Microwave (ppm)	2124	5.985	0.4500					2		0
516.53	Arsenic, Total (As), ICP-MS, Microwave (ppm)	0553	5.155	0.1300	5.707	0.3520	0.1643		5		0
516.53	Arsenic, Total (As), ICP-MS, Microwave (ppm)	0407	5.681	0.2900	5.707	0.3520	0.1643		5		0
516.53	Arsenic, Total (As), ICP-MS, Microwave (ppm)	0918	5.722	0.1913	5.707	0.3520	0.1643		5		0
516.53	Arsenic, Total (As), ICP-MS, Microwave (ppm)	0227	5.860	0.1200	5.707	0.3520	0.1643		5		0
516.53	Arsenic, Total (As), ICP-MS, Microwave (ppm)	2033	6.115	0.0900	5.707	0.3520	0.1643		5		0
518.41	Cadmium, ICP, Dry ash (ppm)	0171	0.0500	0.0000					2		0
518.41	Cadmium, ICP, Dry ash (ppm)	0407	0.0624	0.0177					2		0
518.43	Cadmium, ICP, Microwave (ppm)	0407	0.0479	0.0262					1		0
518.43	Cadmium, ICP, Microwave (ppm)	2124	< 0.16						1		5
518.53	Cadmium, ICP-MS, Microwave (ppm)	0407	0.0377	0.0014	0.0393	0.0015	0.0010		5		0
518.53	Cadmium, ICP-MS, Microwave (ppm)	0918	0.0385	0.0003	0.0393	0.0015	0.0010		5		0
518.53	Cadmium, ICP-MS, Microwave (ppm)	0553	0.0388	0.0005	0.0393	0.0015	0.0010		5		0
518.53	Cadmium, ICP-MS, Microwave (ppm)	2033	0.0400	0.0000	0.0393	0.0015	0.0010		5		0
518.53	Cadmium, ICP-MS, Microwave (ppm)	0227	0.0415	0.0030	0.0393	0.0015	0.0010		5		0
520.41	Chromium, Total (Cr), ICP, Dry ash (ppm)	0171	2.970	0.0400					2		0
520.41	Chromium, Total (Cr), ICP, Dry ash (ppm)	0407	3.648	0.2977					2		0
520.43	Chromium, Total (Cr), ICP, Microwave (ppm)	0407	3.274	0.2734					3		0
520.43	Chromium, Total (Cr), ICP, Microwave (ppm)	0511	3.805	0.1300					3		0
520.43	Chromium, Total (Cr), ICP, Microwave (ppm)	0510	4.375	0.0300					3		0
520.53	Chromium, Total (Cr), ICP-MS, Microwave (ppm)	0164	3.645	0.2300	4.208	0.3906	0.4207		4		0
520.53	Chromium, Total (Cr), ICP-MS, Microwave (ppm)	0407	4.247	0.1090	4.208	0.3906	0.4207		4		0
520.53	Chromium, Total (Cr), ICP-MS, Microwave (ppm)	0918	4.434	0.6339	4.208	0.3906	0.4207		4		0
520.53	Chromium, Total (Cr), ICP-MS, Microwave (ppm)	0553	4.505	0.7100	4.208	0.3906	0.4207		4		0
526.41	Lead, ICP, Dry ash (ppm)	0171	0.5400	0.0200					2		0
526.41	Lead, ICP, Dry ash (ppm)	0407	0.8124	0.0005					2		0
526.43	Lead, ICP, Microwave (ppm)	0407	0.9557	0.0421					1		0
526.53	Lead, ICP-MS, Microwave (ppm)	0553	0.9430	0.0960	1.004	0.0549	0.0381		5		0
526.53	Lead, ICP-MS, Microwave (ppm)	0227	0.9635	0.0510	1.004	0.0549	0.0381		5		0
526.53	Lead, ICP-MS, Microwave (ppm)	2033	1.000	0.0000	1.004	0.0549	0.0381		5		0
526.53	Lead, ICP-MS, Microwave (ppm)	0407	1.033	0.0350	1.004	0.0549	0.0381		5		0
526.53	Lead, ICP-MS, Microwave (ppm)	0918	1.081	0.0084	1.004	0.0549	0.0381		5		0
529.99	Mercury, Miscellaneous (ppb)	0407	50.95	3.428					3		0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT Z Score	Threshold %RSD	Flag
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529.99	Mercury, Miscellaneous (ppb)	0227	58.20	1.800				3		0	
529.99	Mercury, Miscellaneous (ppb)	2033	58.50	1.000				3		0	
539.41	Nickel, ICP, Dry ash (ppm)	0171	1.380	0.0200				2		0	
539.41	Nickel, ICP, Dry ash (ppm)	0407	1.433	0.0009				2		0	
539.43	Nickel, ICP, Microwave (ppm)	0407	1.482	0.2381				1		0	
539.53	Nickel, ICP-MS, Microwave (ppm)	0407	1.843	0.0215				3		0	
539.53	Nickel, ICP-MS, Microwave (ppm)	0553	2.045	0.0900				3		0	
539.53	Nickel, ICP-MS, Microwave (ppm)	0918	3.794	0.0627				3		0	
710.99	Lauric Acid (12:0), Miscellaneous (% (w/w))	0676	0.0070	0.0000				1		0	
710.99	Lauric Acid (12:0), Miscellaneous (% (w/w))	0164	< 0.02					1		5	
714.99	Myristic Acid (14:0), Miscellaneous (% (w/w))	0171	0.4900	0.0000				2		0	
714.99	Myristic Acid (14:0), Miscellaneous (% (w/w))	0164	0.6100	0.0000				2		0	
716.99	Palmitic Acid (16:0), Miscellaneous (% (w/w))	0171	1.395	0.0100				2		0	
716.99	Palmitic Acid (16:0), Miscellaneous (% (w/w))	0164	1.600	0.0000				2		0	
718.99	Palmitoleic Acid (9c-16:1), Miscellaneous (% (w/w))	0171	0.6650	0.0100				3		0	
718.99	Palmitoleic Acid (9c-16:1), Miscellaneous (% (w/w))	0676	0.7555	0.0150				3		0	
718.99	Palmitoleic Acid (9c-16:1), Miscellaneous (% (w/w))	0164	0.7700	0.0000				3		0	
720.99	Margaric acid (17:0), Miscellaneous (% (w/w))	0171	0.0550	0.0100				1		0	
722.99	Stearic Acid (18:0), Miscellaneous (% (w/w))	0171	0.3350	0.0100				1		0	
724.99	Oleic Acid (9c-18:1), Miscellaneous (% (w/w))	0164	0.3650	0.0100				2		0	
724.99	Oleic Acid (9c-18:1), Miscellaneous (% (w/w))	0171	0.3650	0.0500				2		0	
726.99	Linoleic Acid (9c,12c-18:2), Miscellaneous (% (w/w))	0171	0.1050	0.0100				3		0	
726.99	Linoleic Acid (9c,12c-18:2), Miscellaneous (% (w/w))	0164	0.1200	0.0000				3		0	
726.99	Linoleic Acid (9c,12c-18:2), Miscellaneous (% (w/w))	0676	0.1620	0.0040				3		0	
728.99	alpha-Linolenic Acid (9c,12c,15c-18:3), Miscellaneous (% (w/w))	0171	0.0800	0.0000				3		0	
728.99	alpha-Linolenic Acid (9c,12c,15c-18:3), Miscellaneous (% (w/w))	0676	0.1045	0.0030				3		0	
728.99	alpha-Linolenic Acid (9c,12c,15c-18:3), Miscellaneous (% (w/w))	0164	0.1150	0.0100				3		0	
732.99	Gondoic Acid (11c-20:1), Miscellaneous (% (w/w))	0171	0.0300	0.0000				1		0	
736.99	Arachidonic Acid (5c,8c,11c,14c-20:4), Miscellaneous (% (w/w))	0171	0.0850	0.0100				2		0	
736.99	Arachidonic Acid (5c,8c,11c,14c-20:4), Miscellaneous (% (w/w))	0676	0.1125	0.0030				2		0	
740.99	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5), Miscellaneous (% (w/w))	0171	0.6900	0.0800				2		0	
740.99	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5), Miscellaneous (% (w/w))	0676	0.8395	0.0170				2		0	
742.99	Behenic Acid (22:0), Miscellaneous (% (w/w))	0171	0.0100	0.0000				2		0	
742.99	Behenic Acid (22:0), Miscellaneous (% (w/w))	0164	0.0200	0.0000				2		0	
744.99	Erucic Acid (13c-22:1), Miscellaneous (% (w/w))	0171	0.0100	0.0000				1		0	
746.99	Docosapentaenoic Acid n-3 DPA (7c,10c,13c,16c,19c-22:5), Miscellaneous (% (w/w))	0171	0.1250	0.0100				2		0	
746.99	Docosapentaenoic Acid n-3 DPA (7c,10c,13c,16c,19c-22:5), Miscellaneous (% (w/w))	0676	0.1510	0.0040				2		0	
748.99	Lignoceric Acid (24:0), Miscellaneous (% (w/w))	0171	0.0200	0.0000				1		0	
750.99	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-22:6), Miscellaneous (% (w/w))	0171	0.9600	0.1400				2		0	
750.99	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-22:6), Miscellaneous (% (w/w))	0676	1.139	0.0170				2		0	
752.99	Nervonic Acid (24:1) isomers, Miscellaneous (% (w/w))	0171	0.0350	0.0100				1		0	
754.99	Total n-3 Polyunsaturated (Omega-3) Fatty Acids, Miscellaneous (% (w/w))	0676	2.250	0.0400				3		0	

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754.99	Total n-3 Polyunsaturated (Omega-3) Fatty Acids, Miscell:	0164	2.470	0.0200				3		0	
754.99	Total n-3 Polyunsaturated (Omega-3) Fatty Acids, Miscell:	0171	6.675	0.2700				3		0	
756.99	Total n-6 Polyunsaturated (Omega-6) Fatty Acids, Miscell:	0676	0.3350	0.0100				3		0	
756.99	Total n-6 Polyunsaturated (Omega-6) Fatty Acids, Miscell:	0164	0.3550	0.0100				3		0	
756.99	Total n-6 Polyunsaturated (Omega-6) Fatty Acids, Miscell:	0171	2.105	0.2700				3		0	
758.99	Total Saturated Fatty Acids, Miscellaneous (% (w/w))	0164	2.800	0.0000				1		0	
770.99	Total Fat (equivalent to NLEA), Miscellaneous (% (w/w))	0164	7.645	0.0100				1		0	
772.99	Total Fatty Acids, Miscellaneous (% (w/w))	0164	7.310	0.0000				1		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, 5 = A reporting limit and 4 = zeros submitted as values. Robust statistics not used if < 6 labs reporting, in the case of 4 or 5 labs reporting Means and SD's may be reported based on Raw Data with obvious blunders removed (Mandel h and k exclusions apply; Grey). Flag 3 indicates not used in statistics.