



AAFCO
Proficiency Testing Program



Pet Food Ingredient Scheme
Brewer's Rice

Labs Reporting: 68
Methods Reported 202
Issue Date : 12/31/2020

Test Material Code # 202044

Method Proficiency Testing Report

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 (%)	0027	10.71	0.1490				3			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0504	11.36	0.1300				3			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0309	11.82	0.1360				3			0
001.03	Loss on Drying, Low temp. methods (%)	0619	11.30	0.2000				2			0
001.03	Loss on Drying, Low temp. methods (%)	2124	11.36	0.1193				2			0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	1024	10.40	0.0800	11.55	0.2392	0.1219	21	-4.80	5%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0034	10.50	0.1100	11.55	0.2392	0.1219	21	-4.41	5%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0027	10.92	0.3250	11.55	0.2392	0.1219	21	-2.64	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0845	11.05	0.0700	11.55	0.2392	0.1219	21	-2.11	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2187	11.38	0.0600	11.55	0.2392	0.1219	21	-0.71	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0074	11.52	0.0700	11.55	0.2392	0.1219	21	-0.14	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2156	11.52	0.1200	11.55	0.2392	0.1219	21	-0.12	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	1021	11.55	0.0300	11.55	0.2392	0.1219	21	-0.02	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2331	11.56	0.2200	11.55	0.2392	0.1219	21	0.04	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2252	11.57	0.1600	11.55	0.2392	0.1219	21	0.09	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0407	11.58	0.0246	11.55	0.2392	0.1219	21	0.13	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	1022	11.60	0.0700	11.55	0.2392	0.1219	21	0.19	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2219	11.61	0.1700	11.55	0.2392	0.1219	21	0.23	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0650	11.65	0.1000	11.55	0.2392	0.1219	21	0.42	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0171	11.66	0.0200	11.55	0.2392	0.1219	21	0.46	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2220	11.66	0.0200	11.55	0.2392	0.1219	21	0.46	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2293	11.72	0.2600	11.55	0.2392	0.1219	21	0.71	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0876	11.75	0.5000	11.55	0.2392	0.1219	21	0.84	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2330	11.76	0.0600	11.55	0.2392	0.1219	21	0.88	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0003	11.80	0.0700	11.55	0.2392	0.1219	21	1.03	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0098	11.94	0.0200	11.55	0.2392	0.1219	21	1.63	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	1023	12.23	1.370	11.55	0.2392	0.1219	21	2.82	3%	1
001.99	Loss on Drying, Miscellaneous (%)	2155	9.465	0.3300	11.27	0.3961	0.1975	8	-4.55	8%	0
001.99	Loss on Drying, Miscellaneous (%)	0889	10.95	0.0400	11.27	0.3961	0.1975	8	-0.80	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0676	11.21	0.1200	11.27	0.3961	0.1975	8	-0.15	0%	0
001.99	Loss on Drying, Miscellaneous (%)	0510	11.25	0.1000	11.27	0.3961	0.1975	8	-0.05	0%	0
001.99	Loss on Drying, Miscellaneous (%)	2136	11.35	0.5000	11.27	0.3961	0.1975	8	0.21	0%	0
001.99	Loss on Drying, Miscellaneous (%)	0918	11.38	0.0400	11.27	0.3961	0.1975	8	0.28	0%	0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
001.99	Loss on Drying, Miscellaneous (%)	2242	11.47	0.4000	11.27	0.3961	0.1975	8	0.51	1%	0
001.99	Loss on Drying, Miscellaneous (%)	2115	12.10	0.0500	11.27	0.3961	0.1975	8	2.09	4%	0
002.00	Protein, Crude, Crude (%)	0845	9.180	0.4400				1			0
002.01	Protein, Crude, Auto Kjel-Foss (%)	0870	8.189	0.0130	8.365	0.1835	0.1133	4			0
002.01	Protein, Crude, Auto Kjel-Foss (%)	0619	8.280	0.1000	8.365	0.1835	0.1133	4			0
002.01	Protein, Crude, Auto Kjel-Foss (%)	0164	8.375	0.2500	8.365	0.1835	0.1133	4			0
002.01	Protein, Crude, Auto Kjel-Foss (%)	0889	8.615	0.0900	8.365	0.1835	0.1133	4			0
002.04	Protein, Crude, Copper Catalyst (%)	0504	8.225	0.2100				2			0
002.04	Protein, Crude, Copper Catalyst (%)	2122	8.380	0.0000				2			0
002.05	Protein, Crude, Copper, Boric Acid (%)	2276	8.220	0.0600				2			0
002.05	Protein, Crude, Copper, Boric Acid (%)	2115	8.345	0.0100				2			0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0529	7.265	0.4300	8.319	0.1601	0.1143	54	-6.59	6%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0042	7.905	0.2900	8.319	0.1601	0.1143	54	-2.59	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2320	7.935	0.1100	8.319	0.1601	0.1143	54	-2.40	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2232	8.120	0.0200	8.319	0.1601	0.1143	54	-1.25	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0870	8.121	0.0488	8.319	0.1601	0.1143	54	-1.24	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0309	8.121	0.0748	8.319	0.1601	0.1143	54	-1.24	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0034	8.146	0.3510	8.319	0.1601	0.1143	54	-1.09	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0010	8.150	0.1000	8.319	0.1601	0.1143	54	-1.06	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0876	8.150	0.1000	8.319	0.1601	0.1143	54	-1.06	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2124	8.184	0.0357	8.319	0.1601	0.1143	54	-0.85	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2115	8.215	0.0100	8.319	0.1601	0.1143	54	-0.65	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2252	8.215	0.0500	8.319	0.1601	0.1143	54	-0.65	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0202	8.220	0.0200	8.319	0.1601	0.1143	54	-0.62	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2331	8.225	0.0300	8.319	0.1601	0.1143	54	-0.59	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2219	8.235	0.1500	8.319	0.1601	0.1143	54	-0.53	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0171	8.250	0.0800	8.319	0.1601	0.1143	54	-0.43	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0510	8.250	0.1000	8.319	0.1601	0.1143	54	-0.43	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2220	8.255	0.0500	8.319	0.1601	0.1143	54	-0.40	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0619	8.260	0.0400	8.319	0.1601	0.1143	54	-0.37	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2293	8.260	0.0200	8.319	0.1601	0.1143	54	-0.37	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2330	8.260	0.0600	8.319	0.1601	0.1143	54	-0.37	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	1023	8.267	0.0107	8.319	0.1601	0.1143	54	-0.33	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0001	8.268	0.0020	8.319	0.1601	0.1143	54	-0.32	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2187	8.270	0.0200	8.319	0.1601	0.1143	54	-0.31	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2156	8.275	0.0300	8.319	0.1601	0.1143	54	-0.28	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0164	8.280	0.0600	8.319	0.1601	0.1143	54	-0.25	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2184	8.280	0.0400	8.319	0.1601	0.1143	54	-0.25	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0074	8.295	0.2900	8.319	0.1601	0.1143	54	-0.15	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2312	8.305	0.0900	8.319	0.1601	0.1143	54	-0.09	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	1022	8.309	0.1706	8.319	0.1601	0.1143	54	-0.06	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2303	8.324	0.1160	8.319	0.1601	0.1143	54	0.03	0%	0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0511	8.345	0.0700	8.319	0.1601	0.1143	54	0.16	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0958	8.345	0.0700	8.319	0.1601	0.1143	54	0.16	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0003	8.350	0.0730	8.319	0.1601	0.1143	54	0.19	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0417	8.360	0.2200	8.319	0.1601	0.1143	54	0.25	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2089	8.360	0.0400	8.319	0.1601	0.1143	54	0.25	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2169	8.360	0.0400	8.319	0.1601	0.1143	54	0.25	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	1024	8.375	0.1900	8.319	0.1601	0.1143	54	0.35	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2242	8.415	0.1300	8.319	0.1601	0.1143	54	0.60	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0098	8.420	0.1800	8.319	0.1601	0.1143	54	0.63	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0047	8.445	0.4300	8.319	0.1601	0.1143	54	0.78	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0407	8.456	0.0250	8.319	0.1601	0.1143	54	0.85	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0553	8.475	0.1300	8.319	0.1601	0.1143	54	0.97	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0208	8.475	0.1500	8.319	0.1601	0.1143	54	0.97	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2016	8.500	0.2200	8.319	0.1601	0.1143	54	1.13	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0242	8.505	0.0700	8.319	0.1601	0.1143	54	1.16	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0504	8.505	0.1100	8.319	0.1601	0.1143	54	1.16	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0918	8.505	0.0700	8.319	0.1601	0.1143	54	1.16	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2050	8.510	0.0200	8.319	0.1601	0.1143	54	1.19	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2207	8.585	0.2700	8.319	0.1601	0.1143	54	1.66	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0880	8.715	0.0300	8.319	0.1601	0.1143	54	2.47	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0554	8.740	0.0200	8.319	0.1601	0.1143	54	2.63	3%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0676	9.125	0.3700	8.319	0.1601	0.1143	54	5.03	5%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2155	9.589	0.2468	8.319	0.1601	0.1143	54	7.93	8%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0650	7.880	0.5400	8.319	0.1601	0.1143	54	-2.74	3%	1
002.08	Protein, Crude, Cu/Ti (%)	2136	8.260	0.1000				2			0
002.08	Protein, Crude, Cu/Ti (%)	0098	8.340	0.0200				2			0
002.11	Protein, Crude, NIR (%)	2232	7.955	0.0300				2			0
002.11	Protein, Crude, NIR (%)	0889	9.935	0.0900				2			0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2219	0.9700	0.4000	1.159	0.1333	0.1409	10	-1.41	8%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2293	1.045	0.0300	1.159	0.1333	0.1409	10	-0.85	5%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2156	1.065	0.0500	1.159	0.1333	0.1409	10	-0.70	4%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2220	1.110	0.4600	1.159	0.1333	0.1409	10	-0.36	2%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	1023	1.155	0.0300	1.159	0.1333	0.1409	10	-0.03	0%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	0309	1.158	0.0990	1.159	0.1333	0.1409	10	-0.01	0%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2331	1.195	0.0500	1.159	0.1333	0.1409	10	0.27	2%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2115	1.245	0.0300	1.159	0.1333	0.1409	10	0.65	4%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2330	1.285	0.2100	1.159	0.1333	0.1409	10	0.95	5%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	1021	1.385	0.0500	1.159	0.1333	0.1409	10	1.70	10%	0
003.01	Fat, Crude, Diethyl Ether Ext (13th ed.), Indirect (%)	0504	0.6700	0.0400				1			0
003.06	Fat, Crude, Pet Ether (%)	2320	1.290	0.0200				3			0
003.06	Fat, Crude, Pet Ether (%)	0164	1.365	0.0100				3			0
003.06	Fat, Crude, Pet Ether (%)	0918	1.475	0.0100				3			0

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003.06	Fat, Crude, Pet Ether (%)	0511	1.665	0.2300				3			1
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0098	1.375	0.0100				2			0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0870	1.471	0.0706				2			0
003.10	Fat, Crude, Randall, Pet Ether (%)	0242	1.070	0.0200	1.300	0.1258	0.0574	9	-1.83	9%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2136	1.200	0.0600	1.300	0.1258	0.0574	9	-0.80	4%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2089	1.235	0.1300	1.300	0.1258	0.0574	9	-0.52	3%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2184	1.280	0.0000	1.300	0.1258	0.0574	9	-0.16	1%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0098	1.320	0.0600	1.300	0.1258	0.0574	9	0.16	1%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0870	1.321	0.0514	1.300	0.1258	0.0574	9	0.17	1%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0676	1.345	0.1100	1.300	0.1258	0.0574	9	0.36	2%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2155	1.400	0.0550	1.300	0.1258	0.0574	9	0.79	4%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2232	1.555	0.0300	1.300	0.1258	0.0574	9	2.03	10%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0889	1.680	1.080	1.300	0.1258	0.0574	9	3.02	15%	1
003.11	Fat, Crude, NIR (%)	2232	0.6150	0.0700				2			0
003.11	Fat, Crude, NIR (%)	0889	1.320	0.0400				2			0
003.12	Fat, Crude, Hexane Ext (%)	0171	1.425	0.0300				1			0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	0870	1.481	0.0379				2			0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	0098	1.515	0.1300				2			0
003.14	Fat, Crude, Ankom (%)	0034	0.9250	0.1500	1.260	0.2485	0.1110	13	-1.35	13%	0
003.14	Fat, Crude, Ankom (%)	0876	1.050	0.3000	1.260	0.2485	0.1110	13	-0.84	8%	0
003.14	Fat, Crude, Ankom (%)	2115	1.105	0.0300	1.260	0.2485	0.1110	13	-0.62	6%	0
003.14	Fat, Crude, Ankom (%)	2207	1.140	0.2800	1.260	0.2485	0.1110	13	-0.48	5%	0
003.14	Fat, Crude, Ankom (%)	0619	1.145	0.0700	1.260	0.2485	0.1110	13	-0.46	5%	0
003.14	Fat, Crude, Ankom (%)	0202	1.200	0.0400	1.260	0.2485	0.1110	13	-0.24	2%	0
003.14	Fat, Crude, Ankom (%)	0554	1.210	0.1600	1.260	0.2485	0.1110	13	-0.20	2%	0
003.14	Fat, Crude, Ankom (%)	0529	1.250	0.1800	1.260	0.2485	0.1110	13	-0.04	0%	0
003.14	Fat, Crude, Ankom (%)	0510	1.265	0.0100	1.260	0.2485	0.1110	13	0.02	0%	0
003.14	Fat, Crude, Ankom (%)	0407	1.274	0.0430	1.260	0.2485	0.1110	13	0.06	1%	0
003.14	Fat, Crude, Ankom (%)	0171	1.550	0.0800	1.260	0.2485	0.1110	13	1.17	12%	0
003.14	Fat, Crude, Ankom (%)	0003	1.730	0.0800	1.260	0.2485	0.1110	13	1.89	19%	0
003.14	Fat, Crude, Ankom (%)	2075	2.230	0.0200	1.260	0.2485	0.1110	13	3.90	38%	0
003.99	Fat, Crude, Miscellaneous (%)	0880	2.800	1.800				1			0
004.00	Fiber, Crude, Asbestos Free (%)	2312	0.3000	0.0000	0.5209	0.1437	0.0900	8	-1.54	21%	0
004.00	Fiber, Crude, Asbestos Free (%)	2320	0.3950	0.0300	0.5209	0.1437	0.0900	8	-0.88	12%	0
004.00	Fiber, Crude, Asbestos Free (%)	0208	0.4630	0.3600	0.5209	0.1437	0.0900	8	-0.40	6%	0
004.00	Fiber, Crude, Asbestos Free (%)	0164	0.5000	0.2000	0.5209	0.1437	0.0900	8	-0.15	2%	0
004.00	Fiber, Crude, Asbestos Free (%)	0309	0.5892	0.0002	0.5209	0.1437	0.0900	8	0.47	7%	0
004.00	Fiber, Crude, Asbestos Free (%)	0171	0.6250	0.0300	0.5209	0.1437	0.0900	8	0.72	10%	0
004.00	Fiber, Crude, Asbestos Free (%)	0504	0.6400	0.0000	0.5209	0.1437	0.0900	8	0.83	11%	0
004.00	Fiber, Crude, Asbestos Free (%)	0511	0.6500	0.1000	0.5209	0.1437	0.0900	8	0.90	12%	0
004.03	Fiber, Crude, Fritted Glass (%)	2089	0.5000	0.1400				1			0
004.06	Fiber, Crude, Fibertec (%)	2115	0.5350	0.0500	0.7388	0.1597	0.0925	4			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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004.06	Fiber, Crude, Fibertec (%)	0918	0.7400	0.1800	0.7388	0.1597	0.0925	4			0
004.06	Fiber, Crude, Fibertec (%)	0676	0.7550	0.0900	0.7388	0.1597	0.0925	4			0
004.06	Fiber, Crude, Fibertec (%)	0845	0.9250	0.0500	0.7388	0.1597	0.0925	4			0
004.07	Fiber, Crude, ANKOM (%)	2207	0.2050	0.0300	0.4888	0.1730	0.0669	16	-1.64	29%	0
004.07	Fiber, Crude, ANKOM (%)	0202	0.2205	0.0930	0.4888	0.1730	0.0669	16	-1.55	27%	0
004.07	Fiber, Crude, ANKOM (%)	0510	0.2500	0.1000	0.4888	0.1730	0.0669	16	-1.38	24%	0
004.07	Fiber, Crude, ANKOM (%)	0619	0.3865	0.0250	0.4888	0.1730	0.0669	16	-0.59	10%	0
004.07	Fiber, Crude, ANKOM (%)	0870	0.4744	0.0266	0.4888	0.1730	0.0669	16	-0.08	1%	0
004.07	Fiber, Crude, ANKOM (%)	2115	0.4750	0.0100	0.4888	0.1730	0.0669	16	-0.08	1%	0
004.07	Fiber, Crude, ANKOM (%)	0407	0.4781	0.1175	0.4888	0.1730	0.0669	16	-0.06	1%	0
004.07	Fiber, Crude, ANKOM (%)	0242	0.4800	0.0400	0.4888	0.1730	0.0669	16	-0.05	1%	0
004.07	Fiber, Crude, ANKOM (%)	2276	0.4950	0.1300	0.4888	0.1730	0.0669	16	0.04	1%	0
004.07	Fiber, Crude, ANKOM (%)	0529	0.5400	0.0200	0.4888	0.1730	0.0669	16	0.30	5%	0
004.07	Fiber, Crude, ANKOM (%)	0876	0.5500	0.1000	0.4888	0.1730	0.0669	16	0.35	6%	0
004.07	Fiber, Crude, ANKOM (%)	0553	0.5900	0.0200	0.4888	0.1730	0.0669	16	0.58	10%	0
004.07	Fiber, Crude, ANKOM (%)	2136	0.6050	0.0500	0.4888	0.1730	0.0669	16	0.67	12%	0
004.07	Fiber, Crude, ANKOM (%)	0034	0.6350	0.0500	0.4888	0.1730	0.0669	16	0.84	15%	0
004.07	Fiber, Crude, ANKOM (%)	2124	0.6548	0.2490	0.4888	0.1730	0.0669	16	0.96	17%	0
004.07	Fiber, Crude, ANKOM (%)	0554	0.7750	0.0100	0.4888	0.1730	0.0669	16	1.65	29%	0
004.07	Fiber, Crude, ANKOM (%)	0074	0.7250	0.3900	0.4888	0.1730	0.0669	16	1.37	24%	1
004.07	Fiber, Crude, ANKOM (%)	0003	< 0.5		0.4888	0.1730	0.0669	16			5
004.07	Fiber, Crude, ANKOM (%)	0042	< 0.5		0.4888	0.1730	0.0669	16			5
005.00	Ash, 2h @ 600°C (%)	2184	0.7950	0.2900	0.9748	0.0509	0.0463	41	-3.53	9%	0
005.00	Ash, 2h @ 600°C (%)	2156	0.8550	0.0500	0.9748	0.0509	0.0463	41	-2.35	6%	0
005.00	Ash, 2h @ 600°C (%)	0417	0.8600	0.1600	0.9748	0.0509	0.0463	41	-2.25	6%	0
005.00	Ash, 2h @ 600°C (%)	0650	0.8700	0.0600	0.9748	0.0509	0.0463	41	-2.06	5%	0
005.00	Ash, 2h @ 600°C (%)	0208	0.8980	0.1040	0.9748	0.0509	0.0463	41	-1.51	4%	0
005.00	Ash, 2h @ 600°C (%)	2124	0.9131	0.0904	0.9748	0.0509	0.0463	41	-1.21	3%	0
005.00	Ash, 2h @ 600°C (%)	0880	0.9200	0.2400	0.9748	0.0509	0.0463	41	-1.08	3%	0
005.00	Ash, 2h @ 600°C (%)	2252	0.9300	0.0200	0.9748	0.0509	0.0463	41	-0.88	2%	0
005.00	Ash, 2h @ 600°C (%)	2242	0.9350	0.0500	0.9748	0.0509	0.0463	41	-0.78	2%	0
005.00	Ash, 2h @ 600°C (%)	0407	0.9391	0.0252	0.9748	0.0509	0.0463	41	-0.70	2%	0
005.00	Ash, 2h @ 600°C (%)	0510	0.9400	0.0400	0.9748	0.0509	0.0463	41	-0.68	2%	0
005.00	Ash, 2h @ 600°C (%)	0876	0.9500	0.1000	0.9748	0.0509	0.0463	41	-0.49	1%	0
005.00	Ash, 2h @ 600°C (%)	2115	0.9500	0.0000	0.9748	0.0509	0.0463	41	-0.49	1%	0
005.00	Ash, 2h @ 600°C (%)	0309	0.9595	0.0610	0.9748	0.0509	0.0463	41	-0.30	1%	0
005.00	Ash, 2h @ 600°C (%)	0511	0.9600	0.0200	0.9748	0.0509	0.0463	41	-0.29	1%	0
005.00	Ash, 2h @ 600°C (%)	2207	0.9600	0.0000	0.9748	0.0509	0.0463	41	-0.29	1%	0
005.00	Ash, 2h @ 600°C (%)	0164	0.9650	0.0100	0.9748	0.0509	0.0463	41	-0.19	1%	0
005.00	Ash, 2h @ 600°C (%)	2331	0.9650	0.0700	0.9748	0.0509	0.0463	41	-0.19	1%	0
005.00	Ash, 2h @ 600°C (%)	0047	0.9700	0.0400	0.9748	0.0509	0.0463	41	-0.09	0%	0
005.00	Ash, 2h @ 600°C (%)	2276	0.9850	0.0100	0.9748	0.0509	0.0463	41	0.20	1%	0

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005.00	Ash, 2h @ 600°C (%)	0870	0.9863	0.0075	0.9748	0.0509	0.0463	41	0.23	1%	0
005.00	Ash, 2h @ 600°C (%)	0098	0.9900	0.0000	0.9748	0.0509	0.0463	41	0.30	1%	0
005.00	Ash, 2h @ 600°C (%)	0242	0.9900	0.0200	0.9748	0.0509	0.0463	41	0.30	1%	0
005.00	Ash, 2h @ 600°C (%)	2232	0.9900	0.0000	0.9748	0.0509	0.0463	41	0.30	1%	0
005.00	Ash, 2h @ 600°C (%)	0845	0.9950	0.0300	0.9748	0.0509	0.0463	41	0.40	1%	0
005.00	Ash, 2h @ 600°C (%)	2220	0.9950	0.0100	0.9748	0.0509	0.0463	41	0.40	1%	0
005.00	Ash, 2h @ 600°C (%)	2312	0.9950	0.0100	0.9748	0.0509	0.0463	41	0.40	1%	0
005.00	Ash, 2h @ 600°C (%)	2016	1.000	0.0000	0.9748	0.0509	0.0463	41	0.50	1%	0
005.00	Ash, 2h @ 600°C (%)	2330	1.000	0.0000	0.9748	0.0509	0.0463	41	0.50	1%	0
005.00	Ash, 2h @ 600°C (%)	0171	1.005	0.0500	0.9748	0.0509	0.0463	41	0.59	2%	0
005.00	Ash, 2h @ 600°C (%)	0504	1.005	0.0100	0.9748	0.0509	0.0463	41	0.59	2%	0
005.00	Ash, 2h @ 600°C (%)	2293	1.005	0.0100	0.9748	0.0509	0.0463	41	0.59	2%	0
005.00	Ash, 2h @ 600°C (%)	2320	1.010	0.0000	0.9748	0.0509	0.0463	41	0.69	2%	0
005.00	Ash, 2h @ 600°C (%)	0553	1.015	0.0300	0.9748	0.0509	0.0463	41	0.79	2%	0
005.00	Ash, 2h @ 600°C (%)	1023	1.015	0.0100	0.9748	0.0509	0.0463	41	0.79	2%	0
005.00	Ash, 2h @ 600°C (%)	1021	1.025	0.0100	0.9748	0.0509	0.0463	41	0.99	3%	0
005.00	Ash, 2h @ 600°C (%)	2219	1.025	0.0500	0.9748	0.0509	0.0463	41	0.99	3%	0
005.00	Ash, 2h @ 600°C (%)	0001	1.032	0.0206	0.9748	0.0509	0.0463	41	1.12	3%	0
005.00	Ash, 2h @ 600°C (%)	0918	1.070	0.0200	0.9748	0.0509	0.0463	41	1.87	5%	0
005.00	Ash, 2h @ 600°C (%)	0042	1.075	0.0700	0.9748	0.0509	0.0463	41	1.97	5%	0
005.00	Ash, 2h @ 600°C (%)	2089	1.090	0.1000	0.9748	0.0509	0.0463	41	2.26	6%	0
005.00	Ash, 2h @ 600°C (%)	0529	1.175	0.4500	0.9748	0.0509	0.0463	41	3.93	10%	1
005.03	Ash, Microwave furnace (%)	2187	0.9700	0.0600				1			0
005.05	Ash, 3h @ 550°C (%)	0034	0.7195	0.3390	0.9899	0.0338	0.0913	7	-8.00	14%	0
005.05	Ash, 3h @ 550°C (%)	0003	0.9650	0.0500	0.9899	0.0338	0.0913	7	-0.74	1%	0
005.05	Ash, 3h @ 550°C (%)	2115	0.9850	0.0100	0.9899	0.0338	0.0913	7	-0.14	0%	0
005.05	Ash, 3h @ 550°C (%)	0889	0.9950	0.0100	0.9899	0.0338	0.0913	7	0.15	0%	0
005.05	Ash, 3h @ 550°C (%)	2136	1.005	0.0300	0.9899	0.0338	0.0913	7	0.45	1%	0
005.05	Ash, 3h @ 550°C (%)	0619	1.015	0.0300	0.9899	0.0338	0.0913	7	0.74	1%	0
005.05	Ash, 3h @ 550°C (%)	2050	1.025	0.1700	0.9899	0.0338	0.0913	7	1.04	2%	0
005.11	Ash, NIR (%)	2232	0.6300	0.0200				2			0
005.11	Ash, NIR (%)	0889	4.855	0.0500				2			0
005.99	Ash, Miscellaneous (%)	0676	0.9500	0.0600				3			0
005.99	Ash, Miscellaneous (%)	0202	0.9900	0.0140				3			0
005.99	Ash, Miscellaneous (%)	1024	0.9900	0.0200				3			0
005.99	Ash, Miscellaneous (%)	2169	1.369	0.1076				3			2
006.00	Total Sugars, As sucrose (%)	0407	0.7350	0.3100				1			0
008.02	Fiber, Acid Detergent, Crucible (%)	0309	0.8426	0.0070				2			0
008.02	Fiber, Acid Detergent, Crucible (%)	0504	1.215	0.0100				2			0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0619	0.8550	0.3500	1.128	0.2608	0.1272	7	-1.05	12%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	2276	0.9550	0.0100	1.128	0.2608	0.1272	7	-0.66	8%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0918	0.9935	0.1870	1.128	0.2608	0.1272	7	-0.51	6%	0

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008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0407	1.084	0.1464	1.128	0.2608	0.1272	7	-0.17	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0870	1.163	0.0171	1.128	0.2608	0.1272	7	0.13	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0042	1.325	0.1300	1.128	0.2608	0.1272	7	0.76	9%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0889	1.585	0.0500	1.128	0.2608	0.1272	7	1.75	20%	0
009.04	Fiber, Neutral Detergent, Neutral Det-No ENZ Pretreat (%)	0504	1.595	0.0300				1			0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat (%)	0309	2.473	0.0154				1			0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0870	1.474	0.0282	1.912	0.5538	0.1316	6	-0.79	11%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0918	1.582	0.1118	1.912	0.5538	0.1316	6	-0.60	9%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0619	1.600	0.2000	1.912	0.5538	0.1316	6	-0.56	8%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0407	1.809	0.1796	1.912	0.5538	0.1316	6	-0.19	3%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0889	2.295	0.1100	1.912	0.5538	0.1316	6	0.69	10%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	2276	2.710	0.1600	1.912	0.5538	0.1316	6	1.44	21%	0
009.99	Fiber, Neutral Detergent, Miscellaneous (%)	0889	3.135	0.2700				1			0
010.03	Moisture, Karl-Fischer (%)	0164	11.45	0.1200				1			0
010.11	Moisture, NIR (%)	0889	11.50	0.0000				2			0
010.11	Moisture, NIR (%)	2232	11.81	0.1400				2			0
010.99	Moisture, Miscellaneous (%)	2169	11.25	0.1631				2			0
010.99	Moisture, Miscellaneous (%)	2089	11.35	0.1600				2			0
011.01	Loss on Drying, 135°C 2hr (%)	2016	11.44	0.4300	12.16	0.3350	0.1344	20	-2.16	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	2207	11.55	0.3500	12.16	0.3350	0.1344	20	-1.83	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	2232	11.61	0.1500	12.16	0.3350	0.1344	20	-1.65	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0554	11.73	0.1000	12.16	0.3350	0.1344	20	-1.28	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	2312	12.06	0.0300	12.16	0.3350	0.1344	20	-0.31	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0047	12.07	0.1600	12.16	0.3350	0.1344	20	-0.27	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0164	12.08	0.0000	12.16	0.3350	0.1344	20	-0.24	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	2276	12.09	0.0400	12.16	0.3350	0.1344	20	-0.21	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0171	12.10	0.0200	12.16	0.3350	0.1344	20	-0.18	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0208	12.20	0.2000	12.16	0.3350	0.1344	20	0.12	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0098	12.23	0.0900	12.16	0.3350	0.1344	20	0.20	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0407	12.25	0.0701	12.16	0.3350	0.1344	20	0.28	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0511	12.29	0.3200	12.16	0.3350	0.1344	20	0.39	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0309	12.33	0.0100	12.16	0.3350	0.1344	20	0.50	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0553	12.35	0.2800	12.16	0.3350	0.1344	20	0.57	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0870	12.35	0.2178	12.16	0.3350	0.1344	20	0.58	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0510	12.45	0.1000	12.16	0.3350	0.1344	20	0.87	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	2184	12.48	0.0100	12.16	0.3350	0.1344	20	0.94	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0242	12.53	0.0900	12.16	0.3350	0.1344	20	1.09	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0202	12.64	0.0200	12.16	0.3350	0.1344	20	1.44	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0880	8.965	3.070	12.16	0.3350	0.1344	20	-9.54	13%	1
011.02	Loss on Drying, 130°C for 2 hours (%)	0417	11.82	0.1700				3			0
011.02	Loss on Drying, 130°C for 2 hours (%)	0529	12.36	0.0100				3			0
011.02	Loss on Drying, 130°C for 2 hours (%)	2320	12.39	0.0300				3			0

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011.03	Loss on Drying, 130°C, 1 hour, Flour (%)	2075	11.63	0.1000				1			0
011.99	Loss on Drying, High Temp. Methods Miscellaneous (%)	2303	11.69	0.1880				1			0
012.00	Starch, Polarimetric (Ewers) (%)	2320	68.59	0.5300				3			0
012.00	Starch, Polarimetric (Ewers) (%)	0619	72.70	1.400				3			0
012.00	Starch, Polarimetric (Ewers) (%)	0164	76.30	0.6000				3			0
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	0164	65.85	1.500	69.95	4.350	1.117	4			0
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	0676	67.98	0.2900	69.95	4.350	1.117	4			0
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	0870	70.01	0.8505	69.95	4.350	1.117	4			0
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	0918	75.96	1.826	69.95	4.350	1.117	4			0
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	2242	69.65	9.800	69.95	4.350	1.117	4			1
012.03	Starch, Enzymatic-Colorimetric Method, Miscellaneous (%)	0407	64.88	0.3394				2			0
012.03	Starch, Enzymatic-Colorimetric Method, Miscellaneous (%)	0889	72.80	0.0500				2			0
012.04	Starch, Enzymatic-Enzyme Membrane Technology (YSI) (%)	0510	69.15	1.900				2			0
012.04	Starch, Enzymatic-Enzyme Membrane Technology (YSI) (%)	2207	71.55	1.720				2			0
012.11	Starch, NIR (%)	0889	69.39	0.2600				1			0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0242	1.125	0.0500	1.700	0.4475	0.1090	8	-1.28	17%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0504	1.260	0.2000	1.700	0.4475	0.1090	8	-0.98	13%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2252	1.390	0.2600	1.700	0.4475	0.1090	8	-0.69	9%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2187	1.725	0.0300	1.700	0.4475	0.1090	8	0.06	1%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0650	1.835	0.1300	1.700	0.4475	0.1090	8	0.30	4%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0309	2.072	0.0623	1.700	0.4475	0.1090	8	0.83	11%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2016	2.090	0.0800	1.700	0.4475	0.1090	8	0.87	11%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0202	2.100	0.0600	1.700	0.4475	0.1090	8	0.89	12%	0
013.02	Fat, Acid Pretreat, Mojonner, Bak Ext (%)	0208	1.725	0.1700	2.097	0.2144	0.1582	10	-1.73	9%	0
013.02	Fat, Acid Pretreat, Mojonner, Bak Ext (%)	2276	1.865	0.0900	2.097	0.2144	0.1582	10	-1.08	6%	0
013.02	Fat, Acid Pretreat, Mojonner, Bak Ext (%)	0098	2.010	0.0400	2.097	0.2144	0.1582	10	-0.40	2%	0
013.02	Fat, Acid Pretreat, Mojonner, Bak Ext (%)	0553	2.030	0.3000	2.097	0.2144	0.1582	10	-0.31	2%	0
013.02	Fat, Acid Pretreat, Mojonner, Bak Ext (%)	0870	2.053	0.0524	2.097	0.2144	0.1582	10	-0.20	1%	0
013.02	Fat, Acid Pretreat, Mojonner, Bak Ext (%)	0164	2.150	0.0200	2.097	0.2144	0.1582	10	0.25	1%	0
013.02	Fat, Acid Pretreat, Mojonner, Bak Ext (%)	2312	2.200	0.1800	2.097	0.2144	0.1582	10	0.48	2%	0
013.02	Fat, Acid Pretreat, Mojonner, Bak Ext (%)	0676	2.215	0.3300	2.097	0.2144	0.1582	10	0.55	3%	0
013.02	Fat, Acid Pretreat, Mojonner, Bak Ext (%)	0171	2.265	0.2300	2.097	0.2144	0.1582	10	0.78	4%	0
013.02	Fat, Acid Pretreat, Mojonner, Bak Ext (%)	0407	2.405	0.1700	2.097	0.2144	0.1582	10	1.44	7%	0
013.10	Fat, Acid Pretreat, Soxtec-Acid Hydrolysis (%)	0845	1.850	0.1600				2			0
013.10	Fat, Acid Pretreat, Soxtec-Acid Hydrolysis (%)	2124	2.020	0.0000				2			0
013.13	Fat, Acid Pretreat, Ankom- Acid Hydrolysis (%)	0407	2.614	0.0516				2			0
013.13	Fat, Acid Pretreat, Ankom- Acid Hydrolysis (%)	0042	2.885	0.2900				2			0
015.41	Aluminum, ICP, Dry ash (ppm)	0407	9.558	0.2609				2			0
015.41	Aluminum, ICP, Dry ash (ppm)	0171	16.01	1.130				2			0
015.43	Aluminum, ICP, Microwave (ppm)	0918	7.581	1.830				3			0
015.43	Aluminum, ICP, Microwave (ppm)	0407	9.235	0.2915				3			0
015.43	Aluminum, ICP, Microwave (ppm)	0510	10.00	0.0000				3			0

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015.53	Aluminum, ICP-MS, Microwave (ppm)	0407	10.88	0.3975				2			0
015.53	Aluminum, ICP-MS, Microwave (ppm)	0553	14.05	2.300				2			0
017.41	Boron, ICP, Dry ash (ppm)	0407	1.504	1.010				1			0
017.43	Boron, ICP, Microwave (ppm)	0407	0.9331	0.0150				3			0
017.43	Boron, ICP, Microwave (ppm)	0918	1.165	0.1300				3			0
017.43	Boron, ICP, Microwave (ppm)	0510	7.000	0.0000				3			0
017.53	Boron, ICP-MS, Microwave (ppm)	0407	1.042	0.0942				2			0
017.53	Boron, ICP-MS, Microwave (ppm)	0553	3.770	1.140				2			0
019.31	Calcium, AAS, Dry ash (%)	0529	0.0100	0.0000				3			0
019.31	Calcium, AAS, Dry ash (%)	2115	0.0600	0.0000				3			0
019.31	Calcium, AAS, Dry ash (%)	0001	0.0858	0.0319				3			0
019.41	Calcium, ICP, Dry ash (%)	1021	0.0600	0.0000	0.0650	0.0045	0.0036	12	-1.11	4%	0
019.41	Calcium, ICP, Dry ash (%)	0074	0.0610	0.0020	0.0650	0.0045	0.0036	12	-0.89	3%	0
019.41	Calcium, ICP, Dry ash (%)	0171	0.0625	0.0010	0.0650	0.0045	0.0036	12	-0.55	2%	0
019.41	Calcium, ICP, Dry ash (%)	1023	0.0625	0.0050	0.0650	0.0045	0.0036	12	-0.55	2%	0
019.41	Calcium, ICP, Dry ash (%)	0098	0.0627	0.0076	0.0650	0.0045	0.0036	12	-0.51	2%	0
019.41	Calcium, ICP, Dry ash (%)	0051	0.0636	0.0010	0.0650	0.0045	0.0036	12	-0.31	1%	0
019.41	Calcium, ICP, Dry ash (%)	0208	0.0640	0.0040	0.0650	0.0045	0.0036	12	-0.22	1%	0
019.41	Calcium, ICP, Dry ash (%)	1024	0.0650	0.0100	0.0650	0.0045	0.0036	12	0.01	0%	0
019.41	Calcium, ICP, Dry ash (%)	0164	0.0655	0.0030	0.0650	0.0045	0.0036	12	0.12	0%	0
019.41	Calcium, ICP, Dry ash (%)	0619	0.0695	0.0030	0.0650	0.0045	0.0036	12	1.01	3%	0
019.41	Calcium, ICP, Dry ash (%)	0407	0.0756	0.0061	0.0650	0.0045	0.0036	12	2.36	8%	0
019.41	Calcium, ICP, Dry ash (%)	2276	0.0830	0.0000	0.0650	0.0045	0.0036	12	4.02	14%	0
019.42	Calcium, ICP, Open vessel (%)	0870	0.0604	0.0025				2			0
019.42	Calcium, ICP, Open vessel (%)	2207	0.0650	0.0100				2			0
019.43	Calcium, ICP, Microwave (%)	2089	0.0300	0.0000	0.0645	0.0091	0.0030	13	-3.81	27%	0
019.43	Calcium, ICP, Microwave (%)	0870	0.0564	0.0006	0.0645	0.0091	0.0030	13	-0.89	6%	0
019.43	Calcium, ICP, Microwave (%)	2136	0.0582	0.0037	0.0645	0.0091	0.0030	13	-0.70	5%	0
019.43	Calcium, ICP, Microwave (%)	0918	0.0585	0.0010	0.0645	0.0091	0.0030	13	-0.66	5%	0
019.43	Calcium, ICP, Microwave (%)	2187	0.0597	0.0016	0.0645	0.0091	0.0030	13	-0.53	4%	0
019.43	Calcium, ICP, Microwave (%)	0098	0.0620	0.0110	0.0645	0.0091	0.0030	13	-0.27	2%	0
019.43	Calcium, ICP, Microwave (%)	2058	0.0635	0.0010	0.0645	0.0091	0.0030	13	-0.11	1%	0
019.43	Calcium, ICP, Microwave (%)	0027	0.0640	0.0060	0.0645	0.0091	0.0030	13	-0.05	0%	0
019.43	Calcium, ICP, Microwave (%)	0510	0.0700	0.0000	0.0645	0.0091	0.0030	13	0.61	4%	0
019.43	Calcium, ICP, Microwave (%)	2124	0.0700	0.0000	0.0645	0.0091	0.0030	13	0.61	4%	0
019.43	Calcium, ICP, Microwave (%)	0042	0.0735	0.0030	0.0645	0.0091	0.0030	13	1.00	7%	0
019.43	Calcium, ICP, Microwave (%)	0407	0.0736	0.0025	0.0645	0.0091	0.0030	13	1.00	7%	0
019.43	Calcium, ICP, Microwave (%)	0202	0.0840	0.0080	0.0645	0.0091	0.0030	13	2.15	15%	0
019.43	Calcium, ICP, Microwave (%)	0010	< 0.15		0.0645	0.0091	0.0030	13			5
019.44	Calcium, ICP, Dry ash (%)	2320	0.0500	0.0067	0.0624	0.0021	0.0036	10	-5.83	10%	0
019.44	Calcium, ICP, Dry ash (%)	2293	0.0600	0.0000	0.0624	0.0021	0.0036	10	-1.13	2%	0
019.44	Calcium, ICP, Dry ash (%)	2219	0.0610	0.0040	0.0624	0.0021	0.0036	10	-0.66	1%	0

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019.44	Calcium, ICP, Dry ash (%)	2220	0.0620	0.0020	0.0624	0.0021	0.0036	10	-0.19	0%	0
019.44	Calcium, ICP, Dry ash (%)	2114	0.0629	0.0008	0.0624	0.0021	0.0036	10	0.23	0%	0
019.44	Calcium, ICP, Dry ash (%)	2331	0.0630	0.0040	0.0624	0.0021	0.0036	10	0.28	0%	0
019.44	Calcium, ICP, Dry ash (%)	2156	0.0635	0.0030	0.0624	0.0021	0.0036	10	0.51	1%	0
019.44	Calcium, ICP, Dry ash (%)	2252	0.0635	0.0010	0.0624	0.0021	0.0036	10	0.51	1%	0
019.44	Calcium, ICP, Dry ash (%)	2330	0.0635	0.0030	0.0624	0.0021	0.0036	10	0.51	1%	0
019.44	Calcium, ICP, Dry ash (%)	2232	0.0655	0.0110	0.0624	0.0021	0.0036	10	1.45	2%	0
019.53	Calcium, ICP-MS, Microwave (%)	0553	0.0642	0.0031				2			0
019.53	Calcium, ICP-MS, Microwave (%)	0407	0.0692	0.0023				2			0
019.99	Calcium, Miscellaneous (%)	0676	0.0300	0.0000				2			0
019.99	Calcium, Miscellaneous (%)	0242	0.0500	0.0000				2			0
021.31	Cobalt, AAS, Dry ash (ppm)	0164	< 0.75					0			5
021.41	Cobalt, ICP, Dry ash (ppm)	0171	0.0800	0.0040				2			0
021.41	Cobalt, ICP, Dry ash (ppm)	0407	0.1531	0.0028				2			0
021.43	Cobalt, ICP, Microwave (ppm)	0510	0.1400	0.0000				2			0
021.43	Cobalt, ICP, Microwave (ppm)	0407	0.2864	0.0055				2			0
021.53	Cobalt, ICP-MS, Microwave (ppm)	0918	0.0365	0.0090				3			0
021.53	Cobalt, ICP-MS, Microwave (ppm)	0553	0.1215	0.0190				3			0
021.53	Cobalt, ICP-MS, Microwave (ppm)	0407	0.1365	0.0057				3			0
022.41	Copper, ICP, Dry ash (ppm)	0407	1.937	0.2055	2.580	0.4987	0.2014	6	-1.29	12%	0
022.41	Copper, ICP, Dry ash (ppm)	0098	2.245	0.4900	2.580	0.4987	0.2014	6	-0.67	6%	0
022.41	Copper, ICP, Dry ash (ppm)	0208	2.668	0.1330	2.580	0.4987	0.2014	6	0.18	2%	0
022.41	Copper, ICP, Dry ash (ppm)	0051	2.670	0.1400	2.580	0.4987	0.2014	6	0.18	2%	0
022.41	Copper, ICP, Dry ash (ppm)	0164	2.750	0.1000	2.580	0.4987	0.2014	6	0.34	3%	0
022.41	Copper, ICP, Dry ash (ppm)	0171	3.210	0.1400	2.580	0.4987	0.2014	6	1.26	12%	0
022.42	Copper, ICP, Open vessel (ppm)	0870	2.285	0.0340				2			0
022.42	Copper, ICP, Open vessel (ppm)	2276	2.853	0.0020				2			0
022.43	Copper, ICP, Microwave (ppm)	0098	2.325	0.0100	3.178	1.026	0.1123	8	-0.83	13%	0
022.43	Copper, ICP, Microwave (ppm)	0407	2.607	0.0236	3.178	1.026	0.1123	8	-0.56	9%	0
022.43	Copper, ICP, Microwave (ppm)	0870	2.725	0.0550	3.178	1.026	0.1123	8	-0.44	7%	0
022.43	Copper, ICP, Microwave (ppm)	0918	2.730	0.2600	3.178	1.026	0.1123	8	-0.44	7%	0
022.43	Copper, ICP, Microwave (ppm)	2124	2.815	0.0900	3.178	1.026	0.1123	8	-0.35	6%	0
022.43	Copper, ICP, Microwave (ppm)	0510	3.000	0.0000	3.178	1.026	0.1123	8	-0.17	3%	0
022.43	Copper, ICP, Microwave (ppm)	0202	4.585	0.4100	3.178	1.026	0.1123	8	1.37	22%	0
022.43	Copper, ICP, Microwave (ppm)	0042	4.635	0.0500	3.178	1.026	0.1123	8	1.42	23%	0
022.43	Copper, ICP, Microwave (ppm)	2089	5.910	1.940	3.178	1.026	0.1123	8	2.66	43%	1
022.53	Copper, ICP-MS, Microwave (ppm)	0407	2.584	0.2283				2			0
022.53	Copper, ICP-MS, Microwave (ppm)	0553	2.630	0.0000				2			0
022.99	Copper, Miscellaneous (ppm)	0242	1.000	0.0000				1			0
025.31	Iron, AAS, Dry ash (ppm)	2115	30.88	2.610				2			0
025.31	Iron, AAS, Dry ash (ppm)	0529	35.15	0.5000				2			0
025.41	Iron, ICP, Dry ash (ppm)	0619	27.30	0.2000	29.25	1.644	2.366	8	-1.19	3%	0

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025.41	Iron, ICP, Dry ash (ppm)	0164	28.00	2.000	29.25	1.644	2.366	8	-0.76	2%	0
025.41	Iron, ICP, Dry ash (ppm)	0407	28.07	0.5242	29.25	1.644	2.366	8	-0.72	2%	0
025.41	Iron, ICP, Dry ash (ppm)	0208	29.05	0.8300	29.25	1.644	2.366	8	-0.13	0%	0
025.41	Iron, ICP, Dry ash (ppm)	0098	29.31	1.150	29.25	1.644	2.366	8	0.03	0%	0
025.41	Iron, ICP, Dry ash (ppm)	0051	30.00	4.000	29.25	1.644	2.366	8	0.45	1%	0
025.41	Iron, ICP, Dry ash (ppm)	0074	31.00	8.000	29.25	1.644	2.366	8	1.06	3%	0
025.41	Iron, ICP, Dry ash (ppm)	0171	31.32	2.220	29.25	1.644	2.366	8	1.26	4%	0
025.41	Iron, ICP, Dry ash (ppm)	2320	< 0.1		29.25	1.644	2.366	8			5
025.42	Iron, ICP, Open vessel (ppm)	2207	25.50	1.000				2			0
025.42	Iron, ICP, Open vessel (ppm)	0870	30.25	0.3000				2			0
025.43	Iron, ICP, Microwave (ppm)	2058	22.33	1.150	29.97	5.507	2.259	10	-1.39	13%	0
025.43	Iron, ICP, Microwave (ppm)	2136	25.15	1.100	29.97	5.507	2.259	10	-0.87	8%	0
025.43	Iron, ICP, Microwave (ppm)	0407	27.11	0.4724	29.97	5.507	2.259	10	-0.52	5%	0
025.43	Iron, ICP, Microwave (ppm)	0918	28.13	2.580	29.97	5.507	2.259	10	-0.33	3%	0
025.43	Iron, ICP, Microwave (ppm)	0510	28.50	1.000	29.97	5.507	2.259	10	-0.27	2%	0
025.43	Iron, ICP, Microwave (ppm)	0098	29.18	0.1100	29.97	5.507	2.259	10	-0.14	1%	0
025.43	Iron, ICP, Microwave (ppm)	0870	32.28	1.170	29.97	5.507	2.259	10	0.42	4%	0
025.43	Iron, ICP, Microwave (ppm)	2124	33.04	0.2100	29.97	5.507	2.259	10	0.56	5%	0
025.43	Iron, ICP, Microwave (ppm)	2114	35.74	1.697	29.97	5.507	2.259	10	1.05	10%	0
025.43	Iron, ICP, Microwave (ppm)	0042	39.15	13.10	29.97	5.507	2.259	10	1.67	15%	0
025.43	Iron, ICP, Microwave (ppm)	0202	149.2	61.00	29.97	5.507	2.259	10	21.65	199%	1
025.53	Iron, ICP-MS, Microwave (ppm)	0553	29.65	1.700				2			0
025.53	Iron, ICP-MS, Microwave (ppm)	0407	31.40	2.570				2			0
025.99	Iron, Miscellaneous (ppm)	0242	25.50	1.000				1			0
027.31	Magnesium, AAS, Dry ash (%)	0529	0.0590	0.0020				3			0
027.31	Magnesium, AAS, Dry ash (%)	2115	0.0650	0.0100				3			0
027.31	Magnesium, AAS, Dry ash (%)	0001	0.0715	0.0021				3			0
027.33	Magnesium, AAS, Microwave (%)	0010	0.0600	0.0000				1			0
027.41	Magnesium, ICP, Dry ash (%)	2320	0.0440	0.0073	0.0639	0.0018	0.0023	13	-10.84	16%	0
027.41	Magnesium, ICP, Dry ash (%)	1021	0.0620	0.0020	0.0639	0.0018	0.0023	13	-1.04	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0407	0.0627	0.0040	0.0639	0.0018	0.0023	13	-0.66	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0208	0.0630	0.0000	0.0639	0.0018	0.0023	13	-0.50	1%	0
027.41	Magnesium, ICP, Dry ash (%)	1024	0.0630	0.0000	0.0639	0.0018	0.0023	13	-0.50	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0074	0.0635	0.0010	0.0639	0.0018	0.0023	13	-0.22	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0051	0.0638	0.0003	0.0639	0.0018	0.0023	13	-0.09	0%	0
027.41	Magnesium, ICP, Dry ash (%)	1023	0.0640	0.0000	0.0639	0.0018	0.0023	13	0.05	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0164	0.0645	0.0030	0.0639	0.0018	0.0023	13	0.32	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0098	0.0646	0.0038	0.0639	0.0018	0.0023	13	0.37	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0171	0.0660	0.0000	0.0639	0.0018	0.0023	13	1.13	2%	0
027.41	Magnesium, ICP, Dry ash (%)	2232	0.0660	0.0080	0.0639	0.0018	0.0023	13	1.13	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0619	0.0710	0.0000	0.0639	0.0018	0.0023	13	3.85	6%	0
027.42	Magnesium, ICP, Open vessel (%)	2207	0.0600	0.0000				2			0

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027.42	Magnesium, ICP, Open vessel (%)	0870	0.0622	0.0010				2			0
027.43	Magnesium, ICP, Microwave (%)	0870	0.0580	0.0033	0.0656	0.0059	0.0019	13	-1.28	6%	0
027.43	Magnesium, ICP, Microwave (%)	2136	0.0594	0.0045	0.0656	0.0059	0.0019	13	-1.05	5%	0
027.43	Magnesium, ICP, Microwave (%)	0918	0.0610	0.0020	0.0656	0.0059	0.0019	13	-0.77	3%	0
027.43	Magnesium, ICP, Microwave (%)	0098	0.0618	0.0034	0.0656	0.0059	0.0019	13	-0.63	3%	0
027.43	Magnesium, ICP, Microwave (%)	2058	0.0620	0.0000	0.0656	0.0059	0.0019	13	-0.60	3%	0
027.43	Magnesium, ICP, Microwave (%)	0407	0.0634	0.0002	0.0656	0.0059	0.0019	13	-0.36	2%	0
027.43	Magnesium, ICP, Microwave (%)	2187	0.0649	0.0011	0.0656	0.0059	0.0019	13	-0.12	1%	0
027.43	Magnesium, ICP, Microwave (%)	0027	0.0655	0.0030	0.0656	0.0059	0.0019	13	-0.01	0%	0
027.43	Magnesium, ICP, Microwave (%)	0510	0.0700	0.0000	0.0656	0.0059	0.0019	13	0.75	3%	0
027.43	Magnesium, ICP, Microwave (%)	2089	0.0700	0.0000	0.0656	0.0059	0.0019	13	0.75	3%	0
027.43	Magnesium, ICP, Microwave (%)	2124	0.0700	0.0000	0.0656	0.0059	0.0019	13	0.75	3%	0
027.43	Magnesium, ICP, Microwave (%)	0202	0.0720	0.0020	0.0656	0.0059	0.0019	13	1.08	5%	0
027.43	Magnesium, ICP, Microwave (%)	0042	0.0765	0.0050	0.0656	0.0059	0.0019	13	1.84	8%	0
027.44	Magnesium, ICP, Dry ash (%)	2220	0.0590	0.0020	0.0614	0.0036	0.0035	8	-0.68	2%	0
027.44	Magnesium, ICP, Dry ash (%)	2252	0.0595	0.0030	0.0614	0.0036	0.0035	8	-0.54	2%	0
027.44	Magnesium, ICP, Dry ash (%)	2331	0.0595	0.0010	0.0614	0.0036	0.0035	8	-0.54	2%	0
027.44	Magnesium, ICP, Dry ash (%)	2156	0.0600	0.0040	0.0614	0.0036	0.0035	8	-0.40	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2293	0.0600	0.0040	0.0614	0.0036	0.0035	8	-0.40	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2330	0.0605	0.0030	0.0614	0.0036	0.0035	8	-0.26	1%	0
027.44	Magnesium, ICP, Dry ash (%)	2114	0.0662	0.0011	0.0614	0.0036	0.0035	8	1.32	4%	0
027.44	Magnesium, ICP, Dry ash (%)	2219	0.1850	0.0100	0.0614	0.0036	0.0035	8	34.67	101%	0
027.53	Magnesium, ICP-MS, Microwave (%)	0553	0.0647	0.0007				2			0
027.53	Magnesium, ICP-MS, Microwave (%)	0407	0.0669	0.0020				2			0
027.99	Magnesium, Miscellaneous (%)	0242	0.0600	0.0000				1			0
028.41	Manganese, ICP, Dry ash (ppm)	0051	22.01	0.3100	22.48	0.7802	0.7370	6	-0.61	1%	0
028.41	Manganese, ICP, Dry ash (ppm)	0208	22.02	0.7800	22.48	0.7802	0.7370	6	-0.59	1%	0
028.41	Manganese, ICP, Dry ash (ppm)	0098	22.07	2.680	22.48	0.7802	0.7370	6	-0.52	1%	0
028.41	Manganese, ICP, Dry ash (ppm)	0171	22.13	0.2500	22.48	0.7802	0.7370	6	-0.45	1%	0
028.41	Manganese, ICP, Dry ash (ppm)	0164	23.00	0.0000	22.48	0.7802	0.7370	6	0.67	1%	0
028.41	Manganese, ICP, Dry ash (ppm)	0407	23.73	0.4020	22.48	0.7802	0.7370	6	1.60	3%	0
028.42	Manganese, ICP, Open vessel (ppm)	0870	20.81	0.1000				1			0
028.43	Manganese, ICP, Microwave (ppm)	0870	19.01	0.2300	22.39	2.421	1.000	9	-1.40	8%	0
028.43	Manganese, ICP, Microwave (ppm)	0098	20.89	3.230	22.39	2.421	1.000	9	-0.62	3%	0
028.43	Manganese, ICP, Microwave (ppm)	0918	21.15	0.0500	22.39	2.421	1.000	9	-0.51	3%	0
028.43	Manganese, ICP, Microwave (ppm)	2089	21.39	1.170	22.39	2.421	1.000	9	-0.42	2%	0
028.43	Manganese, ICP, Microwave (ppm)	0510	22.00	0.0000	22.39	2.421	1.000	9	-0.16	1%	0
028.43	Manganese, ICP, Microwave (ppm)	0407	22.48	0.4028	22.39	2.421	1.000	9	0.04	0%	0
028.43	Manganese, ICP, Microwave (ppm)	2124	23.89	1.070	22.39	2.421	1.000	9	0.62	3%	0
028.43	Manganese, ICP, Microwave (ppm)	0202	25.19	0.1500	22.39	2.421	1.000	9	1.15	6%	0
028.43	Manganese, ICP, Microwave (ppm)	0042	25.55	2.700	22.39	2.421	1.000	9	1.30	7%	0
028.53	Manganese, ICP-MS, Microwave (ppm)	0553	21.45	0.3000				2			0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
028.53	Manganese, ICP-MS, Microwave (ppm)	0407	24.91	4.229				2			0
028.99	Manganese, Miscellaneous (ppm)	0242	20.50	1.000				1			0
031.01	Phosphorus, Photometric (%)	0208	0.1990	0.0040				1			0
031.41	Phosphorus, ICP, Dry ash (%)	1021	0.1900	0.0000	0.1989	0.0076	0.0071	11	-1.17	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	1024	0.1900	0.0000	0.1989	0.0076	0.0071	11	-1.17	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0171	0.1950	0.0100	0.1989	0.0076	0.0071	11	-0.51	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	1023	0.1950	0.0100	0.1989	0.0076	0.0071	11	-0.51	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0051	0.1951	0.0001	0.1989	0.0076	0.0071	11	-0.51	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0164	0.1975	0.0030	0.1989	0.0076	0.0071	11	-0.19	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0208	0.2010	0.0040	0.1989	0.0076	0.0071	11	0.27	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0098	0.2023	0.0149	0.1989	0.0076	0.0071	11	0.44	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0407	0.2060	0.0125	0.1989	0.0076	0.0071	11	0.92	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	2232	0.2060	0.0240	0.1989	0.0076	0.0071	11	0.93	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	2276	0.2160	0.0000	0.1989	0.0076	0.0071	11	2.24	4%	0
031.42	Phosphorus, ICP, Open vessel (%)	0870	0.1917	0.0005				1			0
031.43	Phosphorus, ICP, Microwave (%)	0870	0.1787	0.0038	0.2030	0.0120	0.0073	9	-2.02	6%	0
031.43	Phosphorus, ICP, Microwave (%)	0098	0.1908	0.0016	0.2030	0.0120	0.0073	9	-1.01	3%	0
031.43	Phosphorus, ICP, Microwave (%)	2089	0.2000	0.0000	0.2030	0.0120	0.0073	9	-0.25	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0202	0.2005	0.0230	0.2030	0.0120	0.0073	9	-0.21	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0407	0.2046	0.0115	0.2030	0.0120	0.0073	9	0.13	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0918	0.2050	0.0080	0.2030	0.0120	0.0073	9	0.17	0%	0
031.43	Phosphorus, ICP, Microwave (%)	2124	0.2100	0.0000	0.2030	0.0120	0.0073	9	0.58	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0042	0.2110	0.0180	0.2030	0.0120	0.0073	9	0.67	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0510	0.2200	0.0000	0.2030	0.0120	0.0073	9	1.42	4%	0
031.44	Phosphorus, ICP, Dry ash (%)	2219	0.0595	0.0050	0.1864	0.0043	0.0050	7	-29.61	34%	0
031.44	Phosphorus, ICP, Dry ash (%)	2156	0.1850	0.0100	0.1864	0.0043	0.0050	7	-0.33	0%	0
031.44	Phosphorus, ICP, Dry ash (%)	2220	0.1850	0.0100	0.1864	0.0043	0.0050	7	-0.33	0%	0
031.44	Phosphorus, ICP, Dry ash (%)	2293	0.1850	0.0100	0.1864	0.0043	0.0050	7	-0.33	0%	0
031.44	Phosphorus, ICP, Dry ash (%)	2252	0.1900	0.0000	0.1864	0.0043	0.0050	7	0.83	1%	0
031.44	Phosphorus, ICP, Dry ash (%)	2330	0.1900	0.0000	0.1864	0.0043	0.0050	7	0.83	1%	0
031.44	Phosphorus, ICP, Dry ash (%)	2331	0.1900	0.0000	0.1864	0.0043	0.0050	7	0.83	1%	0
031.53	Phosphorus, ICP-MS, Microwave (%)	0553	0.2010	0.0060				2			0
031.53	Phosphorus, ICP-MS, Microwave (%)	0407	0.2074	0.0196				2			0
031.99	Phosphorus, Miscellaneous (%)	0242	0.1800	0.0000				2			0
031.99	Phosphorus, Miscellaneous (%)	0676	0.2250	0.0500				2			0
032.41	Potassium, ICP, Dry ash (%)	0208	0.1695	0.0030	0.1787	0.0066	0.0047	10	-1.40	3%	0
032.41	Potassium, ICP, Dry ash (%)	1021	0.1700	0.0000	0.1787	0.0066	0.0047	10	-1.32	2%	0
032.41	Potassium, ICP, Dry ash (%)	0051	0.1766	0.0012	0.1787	0.0066	0.0047	10	-0.32	1%	0
032.41	Potassium, ICP, Dry ash (%)	0164	0.1780	0.0000	0.1787	0.0066	0.0047	10	-0.11	0%	0
032.41	Potassium, ICP, Dry ash (%)	0098	0.1800	0.0000	0.1787	0.0066	0.0047	10	0.19	0%	0
032.41	Potassium, ICP, Dry ash (%)	0171	0.1800	0.0000	0.1787	0.0066	0.0047	10	0.19	0%	0
032.41	Potassium, ICP, Dry ash (%)	1023	0.1800	0.0000	0.1787	0.0066	0.0047	10	0.19	0%	0

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032.41	Potassium, ICP, Dry ash (%)	1024	0.1800	0.0000	0.1787	0.0066	0.0047	10	0.19	0%	0
032.41	Potassium, ICP, Dry ash (%)	2232	0.1845	0.0230	0.1787	0.0066	0.0047	10	0.88	2%	0
032.41	Potassium, ICP, Dry ash (%)	0407	0.1935	0.0202	0.1787	0.0066	0.0047	10	2.24	4%	0
032.42	Potassium, ICP, Open vessel (%)	0870	0.1754	0.0072				1			0
032.43	Potassium, ICP, Microwave (%)	2089	0.1550	0.0300	0.1817	0.0146	0.0110	9	-1.83	7%	0
032.43	Potassium, ICP, Microwave (%)	0870	0.1672	0.0041	0.1817	0.0146	0.0110	9	-0.99	4%	0
032.43	Potassium, ICP, Microwave (%)	0510	0.1750	0.0100	0.1817	0.0146	0.0110	9	-0.46	2%	0
032.43	Potassium, ICP, Microwave (%)	2124	0.1800	0.0000	0.1817	0.0146	0.0110	9	-0.11	0%	0
032.43	Potassium, ICP, Microwave (%)	0918	0.1825	0.0070	0.1817	0.0146	0.0110	9	0.06	0%	0
032.43	Potassium, ICP, Microwave (%)	0202	0.1855	0.0050	0.1817	0.0146	0.0110	9	0.26	1%	0
032.43	Potassium, ICP, Microwave (%)	0098	0.1900	0.0200	0.1817	0.0146	0.0110	9	0.57	2%	0
032.43	Potassium, ICP, Microwave (%)	0042	0.1970	0.0220	0.1817	0.0146	0.0110	9	1.05	4%	0
032.43	Potassium, ICP, Microwave (%)	0407	0.1981	0.0013	0.1817	0.0146	0.0110	9	1.12	5%	0
032.44	Potassium, ICP, Dry ash (%)	2219	0.0175	0.0110	0.1700	0.0000	0.0087	7	#####	45%	0
032.44	Potassium, ICP, Dry ash (%)	2156	0.1700	0.0200	0.1700	0.0000	0.0087	7	0.00	0%	0
032.44	Potassium, ICP, Dry ash (%)	2293	0.1700	0.0200	0.1700	0.0000	0.0087	7	0.00	0%	0
032.44	Potassium, ICP, Dry ash (%)	2220	0.1700	0.0000	0.1700	0.0000	0.0087	7	0.00	0%	0
032.44	Potassium, ICP, Dry ash (%)	2252	0.1700	0.0000	0.1700	0.0000	0.0087	7	0.00	0%	0
032.44	Potassium, ICP, Dry ash (%)	2331	0.1700	0.0000	0.1700	0.0000	0.0087	7	0.00	0%	0
032.44	Potassium, ICP, Dry ash (%)	2330	0.1750	0.0100	0.1700	0.0000	0.0087	7	#####	1%	0
032.53	Potassium, ICP-MS, Microwave (%)	0553	0.1775	0.0010				2			0
032.53	Potassium, ICP-MS, Microwave (%)	0407	0.1891	0.0229				2			0
032.99	Potassium, Miscellaneous (%)	0242	0.1600	0.0000				1			0
033.00	Salt as chloride, Sol Cl (%)	0309	0.0736	0.0067				1			0
033.01	Salt as chloride, Poten Cl (%)	0098	0.0650	0.0100				3			0
033.01	Salt as chloride, Poten Cl (%)	0407	0.0685	0.0010				3			0
033.01	Salt as chloride, Poten Cl (%)	0510	0.1150	0.0000				3			0
033.01	Salt as chloride, Poten Cl (%)	0164	< 0.1					3			5
033.05	Salt as chloride, Ion Sel Electrode (%)	0171	0.0610	0.0000				1			0
033.99	Salt, Miscellaneous (%)	0650	0.0550	0.0100				1			0
034.04	Selenium, AA, Hydride (ppm)	0171	0.1435	0.0090				2			0
034.04	Selenium, AA, Hydride (ppm)	0164	0.1750	0.0220				2			0
034.53	Selenium, ICP-MS, Microwave (ppm)	0918	0.1452	0.0040				3			0
034.53	Selenium, ICP-MS, Microwave (ppm)	0553	0.1770	0.0020				3			0
034.53	Selenium, ICP-MS, Microwave (ppm)	0407	0.2613	0.0224				3			0
035.41	Sodium, ICP, Dry ash (%)	0164	0.0060	0.0000	0.0136	0.0060	0.0032	16	-1.26	28%	0
035.41	Sodium, ICP, Dry ash (%)	0098	0.0068	0.0000	0.0136	0.0060	0.0032	16	-1.12	25%	0
035.41	Sodium, ICP, Dry ash (%)	0208	0.0070	0.0000	0.0136	0.0060	0.0032	16	-1.09	24%	0
035.41	Sodium, ICP, Dry ash (%)	0051	0.0078	0.0006	0.0136	0.0060	0.0032	16	-0.96	21%	0
035.41	Sodium, ICP, Dry ash (%)	0171	0.0080	0.0000	0.0136	0.0060	0.0032	16	-0.93	21%	0
035.41	Sodium, ICP, Dry ash (%)	0407	0.0089	0.0001	0.0136	0.0060	0.0032	16	-0.79	17%	0
035.41	Sodium, ICP, Dry ash (%)	2331	0.0135	0.0030	0.0136	0.0060	0.0032	16	-0.02	0%	0

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035.41	Sodium, ICP, Dry ash (%)	2252	0.0140	0.0020	0.0136	0.0060	0.0032	16	0.07	2%	0
035.41	Sodium, ICP, Dry ash (%)	2293	0.0150	0.0100	0.0136	0.0060	0.0032	16	0.23	5%	0
035.41	Sodium, ICP, Dry ash (%)	2220	0.0175	0.0110	0.0136	0.0060	0.0032	16	0.65	14%	0
035.41	Sodium, ICP, Dry ash (%)	2232	0.0175	0.0010	0.0136	0.0060	0.0032	16	0.65	14%	0
035.41	Sodium, ICP, Dry ash (%)	2330	0.0175	0.0110	0.0136	0.0060	0.0032	16	0.65	14%	0
035.41	Sodium, ICP, Dry ash (%)	2156	0.0180	0.0120	0.0136	0.0060	0.0032	16	0.73	16%	0
035.41	Sodium, ICP, Dry ash (%)	1021	0.0200	0.0000	0.0136	0.0060	0.0032	16	1.06	24%	0
035.41	Sodium, ICP, Dry ash (%)	1023	0.0200	0.0000	0.0136	0.0060	0.0032	16	1.06	24%	0
035.41	Sodium, ICP, Dry ash (%)	1024	0.0200	0.0000	0.0136	0.0060	0.0032	16	1.06	24%	0
035.41	Sodium, ICP, Dry ash (%)	2219	0.1700	0.0200	0.0136	0.0060	0.0032	16	25.91	575%	2
035.42	Sodium, ICP, Open vessel (%)	0870	0.0064	0.0004				1			0
035.43	Sodium, ICP, Microwave (%)	0870	0.0057	0.0002	0.0093	0.0032	0.0003	8	-1.09	19%	0
035.43	Sodium, ICP, Microwave (%)	0098	0.0066	0.0001	0.0093	0.0032	0.0003	8	-0.83	15%	0
035.43	Sodium, ICP, Microwave (%)	0407	0.0068	0.0001	0.0093	0.0032	0.0003	8	-0.77	14%	0
035.43	Sodium, ICP, Microwave (%)	0918	0.0090	0.0000	0.0093	0.0032	0.0003	8	-0.08	1%	0
035.43	Sodium, ICP, Microwave (%)	2089	0.0100	0.0000	0.0093	0.0032	0.0003	8	0.23	4%	0
035.43	Sodium, ICP, Microwave (%)	2124	0.0100	0.0000	0.0093	0.0032	0.0003	8	0.23	4%	0
035.43	Sodium, ICP, Microwave (%)	0510	0.0120	0.0000	0.0093	0.0032	0.0003	8	0.85	15%	0
035.43	Sodium, ICP, Microwave (%)	0042	0.0140	0.0020	0.0093	0.0032	0.0003	8	1.46	26%	0
035.43	Sodium, ICP, Microwave (%)	0202	0.0160	0.0040	0.0093	0.0032	0.0003	8	2.08	36%	1
035.53	Sodium, ICP-MS, Microwave (%)	0553	0.0056	0.0004				2			0
035.53	Sodium, ICP-MS, Microwave (%)	0407	0.0066	0.0009				2			0
035.99	Sodium, Miscellaneous (%)	0242	< 0.01					0			5
036.42	Sulfur, ICP, Open vessel (%)	0870	0.0923	0.0023	0.1004	0.0060	0.0009	4			0
036.42	Sulfur, ICP, Open vessel (%)	0164	0.1000	0.0000	0.1004	0.0060	0.0009	4			0
036.42	Sulfur, ICP, Open vessel (%)	0171	0.1035	0.0010	0.1004	0.0060	0.0009	4			0
036.42	Sulfur, ICP, Open vessel (%)	0407	0.1059	0.0004	0.1004	0.0060	0.0009	4			0
036.43	Sulfur, ICP, Microwave (%)	0870	0.0892	0.0042	0.1037	0.0114	0.0045	8	-1.27	7%	0
036.43	Sulfur, ICP, Microwave (%)	2089	0.0900	0.0000	0.1037	0.0114	0.0045	8	-1.20	7%	0
036.43	Sulfur, ICP, Microwave (%)	0918	0.1025	0.0010	0.1037	0.0114	0.0045	8	-0.11	1%	0
036.43	Sulfur, ICP, Microwave (%)	0098	0.1036	0.0034	0.1037	0.0114	0.0045	8	-0.01	0%	0
036.43	Sulfur, ICP, Microwave (%)	0407	0.1060	0.0085	0.1037	0.0114	0.0045	8	0.20	1%	0
036.43	Sulfur, ICP, Microwave (%)	0042	0.1095	0.0150	0.1037	0.0114	0.0045	8	0.51	3%	0
036.43	Sulfur, ICP, Microwave (%)	0510	0.1100	0.0000	0.1037	0.0114	0.0045	8	0.55	3%	0
036.43	Sulfur, ICP, Microwave (%)	0202	0.1190	0.0040	0.1037	0.0114	0.0045	8	1.34	7%	0
036.53	Sulfur, ICP-MS, Microwave (%)	0553	0.1075	0.0090				1			0
036.99	Sulfur, Miscellaneous (%)	0242	< 0.1					0			5
037.41	Zinc, ICP, Dry ash (ppm)	0164	17.50	3.000	19.20	1.517	1.343	6	-1.12	4%	0
037.41	Zinc, ICP, Dry ash (ppm)	0208	18.25	1.090	19.20	1.517	1.343	6	-0.63	2%	0
037.41	Zinc, ICP, Dry ash (ppm)	0051	18.98	0.4300	19.20	1.517	1.343	6	-0.15	1%	0
037.41	Zinc, ICP, Dry ash (ppm)	0098	19.21	1.930	19.20	1.517	1.343	6	0.00	0%	0
037.41	Zinc, ICP, Dry ash (ppm)	0171	19.97	0.0300	19.20	1.517	1.343	6	0.50	2%	0

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037.41	Zinc, ICP, Dry ash (ppm)	0407	21.32	1.576	19.20	1.517	1.343	6	1.40	6%	0
037.42	Zinc, ICP, Open vessel (ppm)	0870	15.47	0.3700				2			0
037.42	Zinc, ICP, Open vessel (ppm)	2276	19.37	0.0890				2			0
037.43	Zinc, ICP, Microwave (ppm)	0870	15.91	0.0300	19.47	2.977	0.9699	9	-1.20	9%	0
037.43	Zinc, ICP, Microwave (ppm)	2089	17.64	2.300	19.47	2.977	0.9699	9	-0.61	5%	0
037.43	Zinc, ICP, Microwave (ppm)	0510	18.00	0.0000	19.47	2.977	0.9699	9	-0.49	4%	0
037.43	Zinc, ICP, Microwave (ppm)	0098	18.40	0.9200	19.47	2.977	0.9699	9	-0.36	3%	0
037.43	Zinc, ICP, Microwave (ppm)	0918	18.51	0.4400	19.47	2.977	0.9699	9	-0.32	2%	0
037.43	Zinc, ICP, Microwave (ppm)	2124	19.29	0.0700	19.47	2.977	0.9699	9	-0.06	0%	0
037.43	Zinc, ICP, Microwave (ppm)	0407	20.27	2.010	19.47	2.977	0.9699	9	0.27	2%	0
037.43	Zinc, ICP, Microwave (ppm)	0042	23.25	2.300	19.47	2.977	0.9699	9	1.27	10%	0
037.43	Zinc, ICP, Microwave (ppm)	0202	24.11	0.6600	19.47	2.977	0.9699	9	1.56	12%	0
037.53	Zinc, ICP-MS, Microwave (ppm)	0407	19.65	0.0907				2			0
037.53	Zinc, ICP-MS, Microwave (ppm)	0553	19.85	2.100				2			0
037.99	Zinc, Miscellaneous (ppm)	0242	16.00	0.0000				1			0
038.41	Molybdenum, ICP, Dry ash (ppm)	0171	0.8070	0.0060				2			0
038.41	Molybdenum, ICP, Dry ash (ppm)	0407	1.039	0.1152				2			0
038.43	Molybdenum, ICP, Microwave (ppm)	0407	1.061	0.0159				3			0
038.43	Molybdenum, ICP, Microwave (ppm)	0202	1.120	0.1600				3			0
038.43	Molybdenum, ICP, Microwave (ppm)	0510	1.200	0.0000				3			0
038.53	Molybdenum, ICP-MS, Microwave (ppm)	0918	0.9241	0.0546				3			0
038.53	Molybdenum, ICP-MS, Microwave (ppm)	0407	0.9722	0.0179				3			0
038.53	Molybdenum, ICP-MS, Microwave (ppm)	0553	1.070	0.0400				3			0
040.53	Barium, ICP-MS, Microwave (ppm)	0918	0.3650	0.0080				2			0
040.53	Barium, ICP-MS, Microwave (ppm)	0407	0.4867	0.0082				2			0
041.53	Vanadium, ICP-MS, Microwave (ppm)	0407	0.0378	0.0009				2			0
041.53	Vanadium, ICP-MS, Microwave (ppm)	0553	0.0449	0.0007				2			0
105.00	Thiamine, LC (ppm)	2250	2.430	0.1400				1			0
106.02	Vitamin A, LC (KU / kg)	0676	0.0500	0.0000				2			0
106.02	Vitamin A, LC (KU / kg)	0619	0.0740	0.0160				2			0
108.99	Vitamin D3, Miscellaneous (KU / kg)	2250	< 0.2					0			5
109.02	Vitamin E, LC (IU / kg)	0619	0.0025	0.0010				2			0
109.02	Vitamin E, LC (IU / kg)	0676	7.415	0.3500				2			0
112.01	Pyridoxine, LC (µg / g)	2250	0.3300	0.0200				1			0
120.00	Alanine, Post-col Ninhydrin Der (%)	0918	0.4450	0.0010	0.4538	0.0063	0.0089	4			0
120.00	Alanine, Post-col Ninhydrin Der (%)	0870	0.4550	0.0044	0.4538	0.0063	0.0089	4			0
120.00	Alanine, Post-col Ninhydrin Der (%)	0504	0.4550	0.0100	0.4538	0.0063	0.0089	4			0
120.00	Alanine, Post-col Ninhydrin Der (%)	0227	0.4600	0.0200	0.4538	0.0063	0.0089	4			0
120.05	Alanine, Pre-col AQC Der (%)	0407	0.4425	0.0210				1			0
121.00	Arginine, Post-col Ninhydrin Der (%)	0504	0.5550	0.0100	0.5888	0.0264	0.0100	4			0
121.00	Arginine, Post-col Ninhydrin Der (%)	0918	0.5832	0.0014	0.5888	0.0264	0.0100	4			0
121.00	Arginine, Post-col Ninhydrin Der (%)	0227	0.6000	0.0200	0.5888	0.0264	0.0100	4			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			
121.00	Arginine, Post-col Ninhydrin Der (%)	0870	0.6169	0.0087	0.5888	0.0264	0.0100	4		0	
121.05	Arginine, Pre-col AQC Der (%)	0407	0.6370	0.0120				1		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0918	0.6799	0.0069	0.6977	0.0166	0.0162	4		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0504	0.6950	0.0100	0.6977	0.0166	0.0162	4		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0870	0.6958	0.0280	0.6977	0.0166	0.0162	4		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0227	0.7200	0.0200	0.6977	0.0166	0.0162	4		0	
122.05	Aspartic, Pre-col AQC Der (%)	0407	0.6480	0.0500				1		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0870	0.1254	0.0071	0.1613	0.0261	0.0068	4		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0227	0.1600	0.0000	0.1613	0.0261	0.0068	4		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0918	0.1750	0.0100	0.1613	0.0261	0.0068	4		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0504	0.1850	0.0100	0.1613	0.0261	0.0068	4		0	
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0407	0.1557	0.0036				1		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0918	1.314	0.0224	1.385	0.0484	0.0298	4		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0227	1.395	0.0500	1.385	0.0484	0.0298	4		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0504	1.410	0.0200	1.385	0.0484	0.0298	4		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0870	1.420	0.0267	1.385	0.0484	0.0298	4		0	
125.05	Glutamic, Pre-col AQC Der (%)	0407	1.345	0.0190				1		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0918	0.3660	0.0051	0.3756	0.0085	0.0053	4		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0870	0.3714	0.0062	0.3756	0.0085	0.0053	4		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0504	0.3800	0.0000	0.3756	0.0085	0.0053	4		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0227	0.3850	0.0100	0.3756	0.0085	0.0053	4		0	
126.05	Glycine, Pre-col AQC Der (%)	0407	0.4035	0.0270				1		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0918	0.1867	0.0004				3		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0504	0.1900	0.0000				3		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0227	0.2000	0.0000				3		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0870	0.1502	0.0107				3		1	
127.05	Histidine, Pre-col AQC Der (%)	0407	0.1780	0.0020				1		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0918	0.3000	0.0026	0.3194	0.0215	0.0038	4		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0870	0.3125	0.0024	0.3194	0.0215	0.0038	4		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0227	0.3150	0.0100	0.3194	0.0215	0.0038	4		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0504	0.3500	0.0000	0.3194	0.0215	0.0038	4		0	
128.05	Isoleucine, Pre-col AQC Der (%)	0407	0.2965	0.0090				1		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0918	0.6398	0.0080	0.6481	0.0063	0.0143	4		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0870	0.6478	0.0193	0.6481	0.0063	0.0143	4		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0227	0.6500	0.0200	0.6481	0.0063	0.0143	4		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0504	0.6550	0.0100	0.6481	0.0063	0.0143	4		0	
129.05	Leucine, Pre-col AQC Der (%)	0407	0.6315	0.0150				1		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0918	0.2915	0.0020				3		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0227	0.3300	0.0000				3		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0504	0.3400	0.0000				3		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0870	0.2772	0.0140				3		1	
130.05	L-Lysine, Pre-col AQC Der (%)	0407	0.2780	0.0060				1		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			
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0918	0.1650	0.0100	0.1976	0.0290	0.0074	4		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0870	0.1903	0.0097	0.1976	0.0290	0.0074	4		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0504	0.2000	0.0000	0.1976	0.0290	0.0074	4		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0227	0.2350	0.0100	0.1976	0.0290	0.0074	4		0	
131.05	Methionine, PAO Pre-col AQC Der (%)	0407	0.6146	0.0058				1		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0870	0.3894	0.0085	0.4348	0.0551	0.0059	4		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0504	0.4150	0.0100	0.4348	0.0551	0.0059	4		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0227	0.4200	0.0000	0.4348	0.0551	0.0059	4		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0918	0.5150	0.0052	0.4348	0.0551	0.0059	4		0	
132.05	Phenylalanine, Pre-col AQC Der (%)	0407	0.3795	0.0250				1		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0870	0.3527	0.0146	0.3784	0.0267	0.0128	4		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0227	0.3700	0.0200	0.3784	0.0267	0.0128	4		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0504	0.3750	0.0100	0.3784	0.0267	0.0128	4		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0918	0.4158	0.0065	0.3784	0.0267	0.0128	4		0	
133.05	Proline, Pre-col AQC Der (%)	0407	0.3695	0.0090				1		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0504	0.3700	0.0200	0.3938	0.0201	0.0107	4		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0918	0.3874	0.0007	0.3938	0.0201	0.0107	4		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0227	0.4000	0.0200	0.3938	0.0201	0.0107	4		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0870	0.4177	0.0021	0.3938	0.0201	0.0107	4		0	
134.05	Serine, Pre-col AQC Der (%)	0407	0.2950	0.0020				1		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0918	0.2691	0.0004	0.2786	0.0089	0.0049	4		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0504	0.2750	0.0100	0.2786	0.0089	0.0049	4		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0870	0.2805	0.0091	0.2786	0.0089	0.0049	4		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0227	0.2900	0.0000	0.2786	0.0089	0.0049	4		0	
135.05	Threonine, Pre-col AQC Der (%)	0407	0.2280	0.0040				1		0	
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0227	0.1150	0.0100				3		0	
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0870	0.1617	0.0018				3		0	
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0918	0.2000	0.0000				3		0	
136.05	Tryptophan, Pre-col AQC Der (%)	0407	0.1575	0.0030				1		0	
136.99	Tryptophan, Miscellaneous (%)	0504	0.0750	0.0100				1		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0504	0.1500	0.0200	0.2451	0.0732	0.0099	4		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0227	0.2250	0.0100	0.2451	0.0732	0.0099	4		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0870	0.3002	0.0082	0.2451	0.0732	0.0099	4		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0918	0.3052	0.0013	0.2451	0.0732	0.0099	4		0	
137.05	Tyrosine, Pre-col AQC Der (%)	0407	0.2895	0.0190				1		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0918	0.4420	0.0018				3		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0504	0.4700	0.0000				3		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0227	0.5000	0.0000				3		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0870	0.4077	0.0221				3		1	
138.05	Valine, Pre-col AQC Der (%)	0407	0.4495	0.0170				1		0	
139.00	Taurine, Post-col Ninhydrin Der (%)	0504	0.1700	0.0200				1		0	
139.05	Taurine, Pre-col AQC Der (%)	0407	0.0075	0.0010				1		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			
160.99	Fructose, Miscellaneous (%)	0619	0.0045	0.0010				1		0	
162.99	Glucose, Miscellaneous (%)	0619	0.0045	0.0010				1		0	
163.99	Lactose, Miscellaneous (%)	0619	0.0000	0.0000				0		4	
165.99	Sucrose, Miscellaneous (%)	0619	0.3495	0.0110				1		0	
400.01	Water Activity, Aqualab chilled mirror (Units)	2075	0.4814	0.0005				3		0	
400.01	Water Activity, Aqualab chilled mirror (Units)	0407	0.4841	0.0013				3		0	
400.01	Water Activity, Aqualab chilled mirror (Units)	2303	0.4859	0.0076				3		0	
516.00	Arsenic, Total, AA, Hydride (ppm)	0171	0.2210	0.0040				1		0	
516.00	Arsenic, Total, AA, Hydride (ppm)	2115	< 0.01					1		5	
516.43	Arsenic, Total, ICP, Microwave (ppm)	0619	0.0000	0.0000				0		4	
516.43	Arsenic, Total, ICP, Microwave (ppm)	2124	< 0.89					0		5	
516.52	Arsenic, Total, ICP-MS, Open vessel (ppm)	2250	0.2300	0.0200				1		0	
516.53	Arsenic, Total, ICP-MS, Microwave (ppm)	0918	0.1912	0.0129	0.2166	0.0210	0.0114	4		0	
516.53	Arsenic, Total, ICP-MS, Microwave (ppm)	0553	0.2150	0.0020	0.2166	0.0210	0.0114	4		0	
516.53	Arsenic, Total, ICP-MS, Microwave (ppm)	0227	0.2180	0.0220	0.2166	0.0210	0.0114	4		0	
516.53	Arsenic, Total, ICP-MS, Microwave (ppm)	0407	0.2424	0.0086	0.2166	0.0210	0.0114	4		0	
518.41	Cadmium, ICP, Dry ash (ppm)	0171	0.0185	0.0010				2		0	
518.41	Cadmium, ICP, Dry ash (ppm)	0407	0.0276	0.0039				2		0	
518.42	Cadmium, ICP, Open vessel (ppm)	2276	0.0200	0.0000				1		0	
518.43	Cadmium, ICP, Microwave (ppm)	0407	0.0398	0.0225				1		0	
518.43	Cadmium, ICP, Microwave (ppm)	2124	< 0.16					1		5	
518.53	Cadmium, ICP-MS, Microwave (ppm)	0918	0.0098	0.0009	0.0176	0.0055	0.0019	4		0	
518.53	Cadmium, ICP-MS, Microwave (ppm)	0227	0.0180	0.0000	0.0176	0.0055	0.0019	4		0	
518.53	Cadmium, ICP-MS, Microwave (ppm)	0553	0.0213	0.0016	0.0176	0.0055	0.0019	4		0	
518.53	Cadmium, ICP-MS, Microwave (ppm)	0407	0.0214	0.0052	0.0176	0.0055	0.0019	4		0	
520.41	Chromium, ICP, Dry ash (ppm)	0407	0.5285	0.0174				2		0	
520.41	Chromium, ICP, Dry ash (ppm)	0171	1.415	0.0900				2		0	
520.42	Chromium, ICP, Open vessel (ppm)	2276	0.7130	0.0160				1		0	
520.43	Chromium, ICP, Microwave (ppm)	0510	0.3450	0.0300				2		0	
520.43	Chromium, ICP, Microwave (ppm)	0407	0.8589	0.2958				2		0	
520.53	Chromium, ICP-MS, Microwave (ppm)	0918	0.2763	0.0080				3		0	
520.53	Chromium, ICP-MS, Microwave (ppm)	0553	0.4455	0.0870				3		0	
520.53	Chromium, ICP-MS, Microwave (ppm)	0407	0.5443	0.0026				3		0	
526.41	Lead, ICP, Dry ash (ppm)	0171	0.0225	0.0050				2		0	
526.41	Lead, ICP, Dry ash (ppm)	0407	0.0619	0.0045				2		0	
526.42	Lead, ICP, Open vessel (ppm)	2276	0.0525	0.0010				1		0	
526.43	Lead, ICP, Microwave (ppm)	0407	0.1624	0.0978				1		0	
526.53	Lead, ICP-MS, Microwave (ppm)	0407	0.0188	0.0012				3		0	
526.53	Lead, ICP-MS, Microwave (ppm)	0553	0.0206	0.0017				3		0	
526.53	Lead, ICP-MS, Microwave (ppm)	0227	0.0210	0.0040				3		0	
526.53	Lead, ICP-MS, Microwave (ppm)	0918	< 0.044					3		5	
529.99	Mercury, Miscellaneous (ppb)	0407	3.162	0.0694				1		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			
539.41	Nickel, ICP, Dry ash (ppm)	0407	0.4700	0.0105				2		0	
539.41	Nickel, ICP, Dry ash (ppm)	0171	0.8170	0.0400				2		0	
539.42	Nickel, ICP, Open vessel (ppm)	2276	0.5130	0.0040				1		0	
539.43	Nickel, ICP, Microwave (ppm)	0407	0.7796	0.1283				1		0	
539.53	Nickel, ICP-MS, Microwave (ppm)	0918	0.1911	0.0337				3		0	
539.53	Nickel, ICP-MS, Microwave (ppm)	0553	0.4120	0.0360				3		0	
539.53	Nickel, ICP-MS, Microwave (ppm)	0407	0.4471	0.0034				3		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.