



AAFCO
Proficiency Testing Program



Brewers Dried Yeast

Pet Food Scheme

Labs Reporting: 49

Test Material Code # 201843

Method Proficiency Testing Report

Issue Date : 09/30/2018

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 (%)	0309	5.2130	0.04600				3			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0504	5.4500	0.26000				3			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0027	5.6800	0.06400				3			0
001.03	Loss on Drying, Low temp. methods (%)	2124	4.7500	0.02000				2			0
001.03	Loss on Drying, Low temp. methods (%)	0619	6.2400	0.10000				2			0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0845	4.6250	0.33000	5.4680	0.44737	0.23045	11	-1.88	8%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0407	4.9639	0.01000	5.4680	0.44737	0.23045	11	-1.13	5%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0098	5.2600	0.24000	5.4680	0.44737	0.23045	11	-0.47	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0028	5.3100	0.16000	5.4680	0.44737	0.23045	11	-0.35	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2187	5.3250	0.01000	5.4680	0.44737	0.23045	11	-0.32	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0873	5.4350	0.03000	5.4680	0.44737	0.23045	11	-0.07	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0171	5.5350	0.21000	5.4680	0.44737	0.23045	11	0.15	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0876	5.7500	0.80000	5.4680	0.44737	0.23045	11	0.63	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0065	5.7675	0.03500	5.4680	0.44737	0.23045	11	0.67	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0019	5.9100	0.28000	5.4680	0.44737	0.23045	11	0.99	4%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0074	6.0950	0.43000	5.4680	0.44737	0.23045	11	1.40	6%	0
001.99	Loss on Drying, Miscellaneous (%)	0630	4.7350	0.07000	5.3729	0.57190	0.12800	7	-1.12	6%	0
001.99	Loss on Drying, Miscellaneous (%)	0510	4.9500	0.30000	5.3729	0.57190	0.12800	7	-0.74	4%	0
001.99	Loss on Drying, Miscellaneous (%)	0034	4.9550	0.03000	5.3729	0.57190	0.12800	7	-0.73	4%	0
001.99	Loss on Drying, Miscellaneous (%)	0889	5.4800	0.32000	5.3729	0.57190	0.12800	7	0.19	1%	0
001.99	Loss on Drying, Miscellaneous (%)	2115	5.5450	0.04600	5.3729	0.57190	0.12800	7	0.30	2%	0
001.99	Loss on Drying, Miscellaneous (%)	0676	5.9200	0.06000	5.3729	0.57190	0.12800	7	0.96	5%	0
001.99	Loss on Drying, Miscellaneous (%)	2136	6.0250	0.07000	5.3729	0.57190	0.12800	7	1.14	6%	0
002.00	Protein, Crude, Crude (%)	0845	42.940	0.16000				1			0
002.01	Protein, Crude, Auto Kjel-Foss (%)	0619	44.000	0.20000	44.300	0.24107	0.11675	4			0
002.01	Protein, Crude, Auto Kjel-Foss (%)	0889	44.230	0.02000	44.300	0.24107	0.11675	4			0
002.01	Protein, Crude, Auto Kjel-Foss (%)	0164	44.410	0.06000	44.300	0.24107	0.11675	4			0
002.01	Protein, Crude, Auto Kjel-Foss (%)	0870	44.560	0.18700	44.300	0.24107	0.11675	4			0
002.02	Protein, Crude, Semiauto Autoanalyzer (%)	0042	44.135	0.23000				1			0
002.04	Protein, Crude, Copper Catalyst (%)	2122	44.630	0.00000				2			0
002.04	Protein, Crude, Copper Catalyst (%)	0504	44.850	0.18000				2			0
002.05	Protein, Crude, Copper, Boric Acid (%)	2115	44.804	0.10800				1			0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2169	42.450	0.30000	44.613	0.36684	0.20813	39	-5.90	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0171	44.050	0.04000	44.613	0.36684	0.20813	39	-1.54	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2187	44.120	0.04000	44.613	0.36684	0.20813	39	-1.35	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			
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0615	44.185	0.05000	44.613	0.36684	0.20813	39	-1.17	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0098	44.200	0.20000	44.613	0.36684	0.20813	39	-1.13	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0001	44.205	0.25000	44.613	0.36684	0.20813	39	-1.11	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0242	44.210	0.40000	44.613	0.36684	0.20813	39	-1.10	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0873	44.280	0.28000	44.613	0.36684	0.20813	39	-0.91	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0619	44.300	0.00000	44.613	0.36684	0.20813	39	-0.85	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0958	44.325	0.05000	44.613	0.36684	0.20813	39	-0.79	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0880	44.410	0.08000	44.613	0.36684	0.20813	39	-0.55	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0042	44.445	0.05000	44.613	0.36684	0.20813	39	-0.46	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0650	44.450	0.28000	44.613	0.36684	0.20813	39	-0.45	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0027	44.480	0.23500	44.613	0.36684	0.20813	39	-0.37	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2162	44.540	0.30000	44.613	0.36684	0.20813	39	-0.20	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2124	44.540	0.04000	44.613	0.36684	0.20813	39	-0.20	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0065	44.542	0.00450	44.613	0.36684	0.20813	39	-0.20	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0630	44.545	0.39000	44.613	0.36684	0.20813	39	-0.19	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0074	44.570	0.08000	44.613	0.36684	0.20813	39	-0.12	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0876	44.605	0.43000	44.613	0.36684	0.20813	39	-0.02	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0964	44.617	0.55500	44.613	0.36684	0.20813	39	0.01	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0510	44.650	0.10000	44.613	0.36684	0.20813	39	0.10	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2207	44.650	0.10000	44.613	0.36684	0.20813	39	0.10	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0309	44.691	0.06850	44.613	0.36684	0.20813	39	0.21	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0870	44.727	0.01190	44.613	0.36684	0.20813	39	0.31	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0019	44.770	0.18000	44.613	0.36684	0.20813	39	0.43	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0676	44.815	0.13000	44.613	0.36684	0.20813	39	0.55	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0051	44.850	0.10000	44.613	0.36684	0.20813	39	0.64	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0208	44.850	0.30000	44.613	0.36684	0.20813	39	0.64	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0202	44.863	0.41300	44.613	0.36684	0.20813	39	0.68	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0504	44.910	0.24000	44.613	0.36684	0.20813	39	0.81	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2058	44.915	0.01000	44.613	0.36684	0.20813	39	0.82	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2089	44.920	0.22000	44.613	0.36684	0.20813	39	0.84	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0164	44.940	0.38000	44.613	0.36684	0.20813	39	0.89	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0554	45.050	0.34000	44.613	0.36684	0.20813	39	1.19	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0511	45.150	0.04000	44.613	0.36684	0.20813	39	1.46	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0407	45.152	0.43700	44.613	0.36684	0.20813	39	1.47	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0028	45.330	0.50000	44.613	0.36684	0.20813	39	1.95	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0034	45.413	0.49200	44.613	0.36684	0.20813	39	2.18	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0047	295.00	498.60	44.613	0.36684	0.20813	39	682.54	281%	2
002.08	Protein, Crude, Cu/Ti (%)	2136	44.550	0.10000				1			0
002.99	Protein, Crude, Miscellaneous (%)	2033	44.970	0.04000				1			0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2115	0.19550	0.00100				2			0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	0309	0.77505	0.22210				2			0
003.01	Fat, Crude, Diethyl Ether Ext (13th ed.), Indirect (%)	0504	4.2600	0.60000				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			
003.06	Fat, Crude, Pet Ether (%)	2136	0.23500	0.13000				3			0
003.06	Fat, Crude, Pet Ether (%)	0511	0.43000	0.02000				3			0
003.06	Fat, Crude, Pet Ether (%)	2033	9.5000	0.02000				3			0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0630	0.41000	0.04000				2			0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0870	0.58735	0.03170				2			0
003.10	Fat, Crude, Randall, Pet Ether (%)	0870	0.26320	0.09680	0.37443	0.13264	0.05447	6	-0.84	15%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0051	0.30000	0.00000	0.37443	0.13264	0.05447	6	-0.56	10%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0242	0.30500	0.01000	0.37443	0.13264	0.05447	6	-0.52	9%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0889	0.35500	0.19000	0.37443	0.13264	0.05447	6	-0.15	3%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2162	0.45000	0.02000	0.37443	0.13264	0.05447	6	0.57	10%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0676	0.73500	0.01000	0.37443	0.13264	0.05447	6	2.72	48%	0
003.12	Fat, Crude, Hexane Ext (%)	0171	0.47000	0.00000				1			0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	0028	0.19000	0.02000				2			0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	0870	0.50040	0.02240				2			0
003.14	Fat, Crude, Ankom (%)	2115	0.19350	0.00300	0.37890	0.20897	0.04525	6	-0.89	24%	0
003.14	Fat, Crude, Ankom (%)	0202	0.24600	0.03800	0.37890	0.20897	0.04525	6	-0.64	18%	0
003.14	Fat, Crude, Ankom (%)	0019	0.29500	0.01000	0.37890	0.20897	0.04525	6	-0.40	11%	0
003.14	Fat, Crude, Ankom (%)	0619	0.35800	0.03800	0.37890	0.20897	0.04525	6	-0.10	3%	0
003.14	Fat, Crude, Ankom (%)	0407	0.48855	0.08250	0.37890	0.20897	0.04525	6	0.52	14%	0
003.14	Fat, Crude, Ankom (%)	2207	0.75000	0.10000	0.37890	0.20897	0.04525	6	1.78	49%	0
003.99	Fat, Crude, Miscellaneous (%)	0880	1.1500	0.30000				1			0
004.00	Fiber, Crude, Asbestos Free (%)	0164	0.45000	0.30000	3.2198	2.8159	0.36728	5			0
004.00	Fiber, Crude, Asbestos Free (%)	0171	0.77500	0.01000	3.2198	2.8159	0.36728	5			0
004.00	Fiber, Crude, Asbestos Free (%)	0504	3.5650	0.43000	3.2198	2.8159	0.36728	5			0
004.00	Fiber, Crude, Asbestos Free (%)	0309	3.9091	0.09640	3.2198	2.8159	0.36728	5			0
004.00	Fiber, Crude, Asbestos Free (%)	0511	7.4000	1.0000	3.2198	2.8159	0.36728	5			0
004.03	Fiber, Crude, Fritted Glass (%)	2089	0.11000	0.02000				3			0
004.03	Fiber, Crude, Fritted Glass (%)	2058	1.3950	0.03000				3			0
004.03	Fiber, Crude, Fritted Glass (%)	2033	3.7500	0.10000				3			0
004.06	Fiber, Crude, Fibertec (%)	2115	0.41850	0.03500				3			0
004.06	Fiber, Crude, Fibertec (%)	0098	0.65000	0.28000				3			0
004.06	Fiber, Crude, Fibertec (%)	0845	1.0500	0.20000				3			0
004.06	Fiber, Crude, Fibertec (%)	0676	17.455	0.53000				3			2
004.07	Fiber, Crude, ANKOM (%)	0619	0.12650	0.02300	0.50392	0.34677	0.07253	7	-1.09	37%	0
004.07	Fiber, Crude, ANKOM (%)	0407	0.27325	0.05050	0.50392	0.34677	0.07253	7	-0.67	23%	0
004.07	Fiber, Crude, ANKOM (%)	0074	0.37000	0.18000	0.50392	0.34677	0.07253	7	-0.39	13%	0
004.07	Fiber, Crude, ANKOM (%)	2115	0.37750	0.00700	0.50392	0.34677	0.07253	7	-0.36	13%	0
004.07	Fiber, Crude, ANKOM (%)	0870	0.66610	0.01720	0.50392	0.34677	0.07253	7	0.47	16%	0
004.07	Fiber, Crude, ANKOM (%)	0019	0.69000	0.10000	0.50392	0.34677	0.07253	7	0.54	18%	0
004.07	Fiber, Crude, ANKOM (%)	2124	5.1150	0.13000	0.50392	0.34677	0.07253	7	13.30	458%	0
004.07	Fiber, Crude, ANKOM (%)	0098	< 0.01		0.50392	0.34677	0.07253	7			5
004.07	Fiber, Crude, ANKOM (%)	2207	< 1		0.50392	0.34677	0.07253	7			5

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
005.00	Ash, 2h @ 600°C (%)	0964	4.3905	0.04900	5.6965	0.90707	0.23566	30	-1.44	11%	0
005.00	Ash, 2h @ 600°C (%)	0208	4.6600	0.08000	5.6965	0.90707	0.23566	30	-1.14	9%	0
005.00	Ash, 2h @ 600°C (%)	2033	4.9500	0.10000	5.6965	0.90707	0.23566	30	-0.82	7%	0
005.00	Ash, 2h @ 600°C (%)	0650	4.9600	0.10000	5.6965	0.90707	0.23566	30	-0.81	6%	0
005.00	Ash, 2h @ 600°C (%)	2207	4.9650	0.11000	5.6965	0.90707	0.23566	30	-0.81	6%	0
005.00	Ash, 2h @ 600°C (%)	0164	4.9800	0.12000	5.6965	0.90707	0.23566	30	-0.79	6%	0
005.00	Ash, 2h @ 600°C (%)	0047	5.0000	0.40000	5.6965	0.90707	0.23566	30	-0.77	6%	0
005.00	Ash, 2h @ 600°C (%)	0511	5.0300	0.12000	5.6965	0.90707	0.23566	30	-0.73	6%	0
005.00	Ash, 2h @ 600°C (%)	0171	5.1050	0.01000	5.6965	0.90707	0.23566	30	-0.65	5%	0
005.00	Ash, 2h @ 600°C (%)	0876	5.2400	0.02000	5.6965	0.90707	0.23566	30	-0.50	4%	0
005.00	Ash, 2h @ 600°C (%)	0051	5.2500	0.10000	5.6965	0.90707	0.23566	30	-0.49	4%	0
005.00	Ash, 2h @ 600°C (%)	0870	5.3291	0.27140	5.6965	0.90707	0.23566	30	-0.41	3%	0
005.00	Ash, 2h @ 600°C (%)	0042	5.3350	0.63000	5.6965	0.90707	0.23566	30	-0.40	3%	0
005.00	Ash, 2h @ 600°C (%)	0845	5.3450	0.19000	5.6965	0.90707	0.23566	30	-0.39	3%	0
005.00	Ash, 2h @ 600°C (%)	0027	5.4445	0.07100	5.6965	0.90707	0.23566	30	-0.28	2%	0
005.00	Ash, 2h @ 600°C (%)	2162	5.4700	0.24000	5.6965	0.90707	0.23566	30	-0.25	2%	0
005.00	Ash, 2h @ 600°C (%)	2124	5.5200	0.28000	5.6965	0.90707	0.23566	30	-0.19	2%	0
005.00	Ash, 2h @ 600°C (%)	0504	5.5350	0.59000	5.6965	0.90707	0.23566	30	-0.18	1%	0
005.00	Ash, 2h @ 600°C (%)	0001	5.6652	0.04490	5.6965	0.90707	0.23566	30	-0.03	0%	0
005.00	Ash, 2h @ 600°C (%)	0098	5.8400	0.08000	5.6965	0.90707	0.23566	30	0.16	1%	0
005.00	Ash, 2h @ 600°C (%)	0873	5.9050	0.01000	5.6965	0.90707	0.23566	30	0.23	2%	0
005.00	Ash, 2h @ 600°C (%)	0958	6.1600	0.28000	5.6965	0.90707	0.23566	30	0.51	4%	0
005.00	Ash, 2h @ 600°C (%)	0407	6.4335	0.10960	5.6965	0.90707	0.23566	30	0.81	6%	0
005.00	Ash, 2h @ 600°C (%)	2089	6.6200	0.86000	5.6965	0.90707	0.23566	30	1.02	8%	0
005.00	Ash, 2h @ 600°C (%)	0615	6.7300	0.50000	5.6965	0.90707	0.23566	30	1.14	9%	0
005.00	Ash, 2h @ 600°C (%)	2115	6.8050	0.01000	5.6965	0.90707	0.23566	30	1.22	10%	0
005.00	Ash, 2h @ 600°C (%)	0880	7.0850	0.75000	5.6965	0.90707	0.23566	30	1.53	12%	0
005.00	Ash, 2h @ 600°C (%)	0510	7.0900	0.26000	5.6965	0.90707	0.23566	30	1.54	12%	0
005.00	Ash, 2h @ 600°C (%)	0630	7.3000	0.38000	5.6965	0.90707	0.23566	30	1.77	14%	0
005.00	Ash, 2h @ 600°C (%)	0309	9.3950	0.30400	5.6965	0.90707	0.23566	30	4.08	32%	0
005.03	Ash, Microwave furnace (%)	2187	4.8200	0.10000				1			0
005.05	Ash, 3h @ 550°C (%)	2058	4.5750	0.01000	5.2310	0.48989	0.19400	5			0
005.05	Ash, 3h @ 550°C (%)	2136	4.9500	0.38000	5.2310	0.48989	0.19400	5			0
005.05	Ash, 3h @ 550°C (%)	0845	5.3450	0.19000	5.2310	0.48989	0.19400	5			0
005.05	Ash, 3h @ 550°C (%)	0065	5.4200	0.00000	5.2310	0.48989	0.19400	5			0
005.05	Ash, 3h @ 550°C (%)	0889	5.8650	0.39000	5.2310	0.48989	0.19400	5			0
005.99	Ash, Miscellaneous (%)	0676	4.6650	0.01000				3			0
005.99	Ash, Miscellaneous (%)	2169	6.0850	0.07000				3			0
005.99	Ash, Miscellaneous (%)	0202	7.1945	0.17700				3			0
006.00	Total Sugars, As sucrose (%)	0407	0.41500	0.01000				1			0
008.02	Fiber, Acid Detergent, Crucible (%)	0098	1.0050	0.13000				3			0
008.02	Fiber, Acid Detergent, Crucible (%)	0504	1.1800	0.02000				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			
008.02	Fiber, Acid Detergent, Crucible (%)	0309	1.6681	0.50080				3			0
008.02	Fiber, Acid Detergent, Crucible (%)	0676	< 0.1					3			5
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0042	0.29000	0.18000	0.83314	0.64733	0.08227	6	-0.84	33%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0407	0.38760	0.01040	0.83314	0.64733	0.08227	6	-0.69	27%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0164	0.60000	0.20000	0.83314	0.64733	0.08227	6	-0.36	14%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0870	0.72710	0.00320	0.83314	0.64733	0.08227	6	-0.16	6%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0889	1.1900	0.10000	0.83314	0.64733	0.08227	6	0.55	21%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	2115	4.9800	0.00000	0.83314	0.64733	0.08227	6	6.41	249%	0
009.04	Fiber, Neutral Detergent, Neutral Det-No ENZ Pretreat (%)	0504	3.3000	0.64000				1			0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat (%)	0676	0.73000	0.04000				3			0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat (%)	0098	4.3600	0.30000				3			0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat (%)	0309	4.9136	0.11230				3			0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0870	0.15510	0.04700				3			0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0407	0.43340	0.22640				3			0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0889	1.1750	0.13000				3			0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	2115	31.090	0.00000				3			2
010.03	Moisture, Karl-Fischer (%)	0164	5.4950	0.01000				1			0
010.99	Moisture, Miscellaneous (%)	2089	5.3900	0.04000				3			0
010.99	Moisture, Miscellaneous (%)	2169	6.2500	0.02000				3			0
010.99	Moisture, Miscellaneous (%)	2033	6.5250	0.05000				3			0
011.01	Loss on Drying, 135°C 2hr (%)	0208	6.5950	0.07000	7.6892	0.67571	0.11637	19	-1.62	7%	0
011.01	Loss on Drying, 135°C 2hr (%)	2162	6.7050	0.23000	7.6892	0.67571	0.11637	19	-1.46	6%	0
011.01	Loss on Drying, 135°C 2hr (%)	0098	6.9200	0.48000	7.6892	0.67571	0.11637	19	-1.14	5%	0
011.01	Loss on Drying, 135°C 2hr (%)	2207	7.0300	0.00000	7.6892	0.67571	0.11637	19	-0.98	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0202	7.2005	0.17500	7.6892	0.67571	0.11637	19	-0.72	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0870	7.3377	0.22800	7.6892	0.67571	0.11637	19	-0.52	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0510	7.5000	0.00000	7.6892	0.67571	0.11637	19	-0.28	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0511	7.6050	0.01000	7.6892	0.67571	0.11637	19	-0.12	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0407	7.6666	0.07400	7.6892	0.67571	0.11637	19	-0.03	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0242	7.7200	0.06000	7.6892	0.67571	0.11637	19	0.05	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0051	7.8150	0.07000	7.6892	0.67571	0.11637	19	0.19	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0880	7.9270	0.13400	7.6892	0.67571	0.11637	19	0.35	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0171	7.9900	0.00000	7.6892	0.67571	0.11637	19	0.45	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0650	8.0100	0.04000	7.6892	0.67571	0.11637	19	0.47	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	2058	8.1600	0.04000	7.6892	0.67571	0.11637	19	0.70	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0309	8.2450	0.13000	7.6892	0.67571	0.11637	19	0.82	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0958	8.4000	0.14000	7.6892	0.67571	0.11637	19	1.05	5%	0
011.01	Loss on Drying, 135°C 2hr (%)	0615	8.4850	0.23000	7.6892	0.67571	0.11637	19	1.18	5%	0
011.01	Loss on Drying, 135°C 2hr (%)	0047	9.1500	0.10000	7.6892	0.67571	0.11637	19	2.16	9%	0
011.01	Loss on Drying, 135°C 2hr (%)	0164	7.9600	0.92000	7.6892	0.67571	0.11637	19	0.40	2%	1
011.02	Loss on Drying, 130°C for 2 hours (%)	0554	6.7250	0.11000				1			0
012.00	Starch, Polarimetric (Ewers) (%)	0164	3.2500	0.30000				3			0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
012.00	Starch, Polarimetric (Ewers) (%)	2023	3.5000	0.20000				3			0
012.00	Starch, Polarimetric (Ewers) (%)	0619	3.6800	0.22000				3			0
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	0164	0.95000	0.10000				2			0
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	0870	1.3900	0.04000				2			0
012.03	Starch, Enzymatic-Colorimetric Method, Miscellaneous (%)	2124	0.90000	0.20000				3			0
012.03	Starch, Enzymatic-Colorimetric Method, Miscellaneous (%)	0098	1.4950	0.01000				3			0
012.03	Starch, Enzymatic-Colorimetric Method, Miscellaneous (%)	0407	1.9600	0.06000				3			0
012.04	Starch, Enzymatic-Enzyme Membrane Technology (YSI) (%)	0510	0.80000	0.00000				1			0
012.99	Starch, Miscellaneous (%)	2115	24.540	0.00000				1			0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0504	6.3450	0.27000	9.2846	2.0225	0.26773	4			0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0309	9.8336	0.51290	9.2846	2.0225	0.26773	4			0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2187	9.9950	0.01000	9.2846	2.0225	0.26773	4			0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0202	10.965	0.27800	9.2846	2.0225	0.26773	4			0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2089	9.0950	1.6700	9.2846	2.0225	0.26773	4			1
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	2058	7.2450	0.27000	9.5649	1.0662	0.18208	12	-2.18	12%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0065	8.3150	0.31000	9.5649	1.0662	0.18208	12	-1.17	7%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0873	8.6250	0.05000	9.5649	1.0662	0.18208	12	-0.88	5%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0098	8.7750	0.13000	9.5649	1.0662	0.18208	12	-0.74	4%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0164	9.4600	0.04000	9.5649	1.0662	0.18208	12	-0.10	1%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0208	9.5300	0.20000	9.5649	1.0662	0.18208	12	-0.03	0%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0958	10.050	0.24000	9.5649	1.0662	0.18208	12	0.45	3%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0074	10.115	0.31000	9.5649	1.0662	0.18208	12	0.52	3%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0650	10.250	0.20000	9.5649	1.0662	0.18208	12	0.64	4%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0870	10.393	0.05500	9.5649	1.0662	0.18208	12	0.78	4%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0019	10.515	0.05000	9.5649	1.0662	0.18208	12	0.89	5%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0171	10.785	0.33000	9.5649	1.0662	0.18208	12	1.14	6%	0
013.10	Fat, Acid Pretreat, Soxtec-Acid Hydrolysis (%)	0845	0.21000	0.06000	3.2488	4.3004	0.13750	4			0
013.10	Fat, Acid Pretreat, Soxtec-Acid Hydrolysis (%)	0554	0.22500	0.07000	3.2488	4.3004	0.13750	4			0
013.10	Fat, Acid Pretreat, Soxtec-Acid Hydrolysis (%)	2124	3.2200	0.12000	3.2488	4.3004	0.13750	4			0
013.10	Fat, Acid Pretreat, Soxtec-Acid Hydrolysis (%)	2162	9.3400	0.30000	3.2488	4.3004	0.13750	4			0
013.13	Fat, Acid Pretreat, Ankom- Acid Hydrolysis (%)	0407	2.0206	0.02660				3			0
013.13	Fat, Acid Pretreat, Ankom- Acid Hydrolysis (%)	0019	6.6800	0.20000				3			0
013.13	Fat, Acid Pretreat, Ankom- Acid Hydrolysis (%)	0042	7.3050	2.3300				3			0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0171	170.85	15.400				1			0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0510	7.5000	1.0000				1			0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0510	2.0000	0.00000				1			0
019.00	Calcium, Ox-Mn04 Vol. (%)	2115	0.04350	0.00100				1			0
019.31	Calcium, AAS, Dry ash (%)	0001	0.05495	0.01370				2			0
019.31	Calcium, AAS, Dry ash (%)	0650	0.05900	0.00800				2			0
019.31	Calcium, AAS, Dry ash (%)	2115	< 0.05					2			5
019.41	Calcium, ICP, Dry ash (%)	0051	0.04500	0.01000	0.05430	0.00671	0.00213	8	-1.39	9%	0
019.41	Calcium, ICP, Dry ash (%)	0019	0.05000	0.00000	0.05430	0.00671	0.00213	8	-0.64	4%	0

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019.41	Calcium, ICP, Dry ash (%)	0511	0.05000	0.00000	0.05430	0.00671	0.00213	8	-0.64	4%	0
019.41	Calcium, ICP, Dry ash (%)	0208	0.05400	0.00000	0.05430	0.00671	0.00213	8	-0.04	0%	0
019.41	Calcium, ICP, Dry ash (%)	0164	0.05450	0.00100	0.05430	0.00671	0.00213	8	0.03	0%	0
019.41	Calcium, ICP, Dry ash (%)	0171	0.05800	0.00000	0.05430	0.00671	0.00213	8	0.55	3%	0
019.41	Calcium, ICP, Dry ash (%)	0407	0.05980	0.00340	0.05430	0.00671	0.00213	8	0.82	5%	0
019.41	Calcium, ICP, Dry ash (%)	0098	0.06310	0.00260	0.05430	0.00671	0.00213	8	1.31	8%	0
019.41	Calcium, ICP, Dry ash (%)	0074	0.56000	0.06000	0.05430	0.00671	0.00213	8	75.38	466%	2
019.42	Calcium, ICP, Open vessel (%)	2207	0.05000	0.00000				2			0
019.42	Calcium, ICP, Open vessel (%)	0870	0.05140	0.00000				2			0
019.43	Calcium, ICP, Microwave (%)	2187	0.04545	0.00910	0.05741	0.00833	0.00576	9	-1.44	10%	0
019.43	Calcium, ICP, Microwave (%)	0964	0.05420	0.00140	0.05741	0.00833	0.00576	9	-0.39	3%	0
019.43	Calcium, ICP, Microwave (%)	0034	0.05445	0.00210	0.05741	0.00833	0.00576	9	-0.36	3%	0
019.43	Calcium, ICP, Microwave (%)	2033	0.05500	0.00000	0.05741	0.00833	0.00576	9	-0.29	2%	0
019.43	Calcium, ICP, Microwave (%)	2124	0.05500	0.01000	0.05741	0.00833	0.00576	9	-0.29	2%	0
019.43	Calcium, ICP, Microwave (%)	0098	0.05570	0.00520	0.05741	0.00833	0.00576	9	-0.21	1%	0
019.43	Calcium, ICP, Microwave (%)	0510	0.06000	0.02000	0.05741	0.00833	0.00576	9	0.31	2%	0
019.43	Calcium, ICP, Microwave (%)	0202	0.06700	0.00400	0.05741	0.00833	0.00576	9	1.15	8%	0
019.43	Calcium, ICP, Microwave (%)	2089	0.07000	0.00000	0.05741	0.00833	0.00576	9	1.51	11%	0
019.43	Calcium, ICP, Microwave (%)	0042	0.09950	0.08300	0.05741	0.00833	0.00576	9	5.05	37%	1
019.44	Calcium, ICP, Dry ash (%)	0065	0.06000	0.00000				2			0
019.44	Calcium, ICP, Dry ash (%)	0873	0.06000	0.00000				2			0
019.52	Calcium, ICP-MS, Open vessel (%)	0047	0.05350	0.00100				1			0
019.99	Calcium, Miscellaneous (%)	0619	0.05350	0.00100				2			0
019.99	Calcium, Miscellaneous (%)	0242	0.07000	0.00000				2			0
021.31	Cobalt, AAS, Dry ash (mg / kg (ppm))	0164	< 0.75					0			5
021.41	Cobalt, ICP, Dry ash (mg / kg (ppm))	0171	< 0.05					0			5
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	2115	< 5					0			5
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0051	2.5200	0.70000	4.4121	1.7018	0.64173	6	-1.11	21%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0074	3.0000	0.00000	4.4121	1.7018	0.64173	6	-0.83	16%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0407	3.8374	0.28040	4.4121	1.7018	0.64173	6	-0.34	7%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0171	5.2800	1.1000	4.4121	1.7018	0.64173	6	0.51	10%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0019	5.7300	0.04000	4.4121	1.7018	0.64173	6	0.77	15%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0098	6.1050	1.7300	4.4121	1.7018	0.64173	6	0.99	19%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0870	4.0595	0.26700				2			0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	2207	11.500	3.0000				2			0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	2058	3.7600	0.22000	4.4941	0.82706	0.34053	9	-0.89	8%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0027	3.8200	0.20800	4.4941	0.82706	0.34053	9	-0.82	8%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0964	3.9869	0.16580	4.4941	0.82706	0.34053	9	-0.61	6%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0510	4.0000	0.00000	4.4941	0.82706	0.34053	9	-0.60	5%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0098	4.1500	0.32000	4.4941	0.82706	0.34053	9	-0.42	4%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	2124	4.5450	0.97000	4.4941	0.82706	0.34053	9	0.06	1%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	2033	5.1000	0.20000	4.4941	0.82706	0.34053	9	0.73	7%	0

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022.43	Copper, ICP, Microwave (mg / kg (ppm))	0202	5.3505	0.08100	4.4941	0.82706	0.34053	9	1.04	10%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	2089	23.550	0.90000	4.4941	0.82706	0.34053	9	23.04	212%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0042	10.680	11.440	4.4941	0.82706	0.34053	9	7.48	69%	1
022.52	Copper, ICP-MS, Open vessel (mg / kg (ppm))	0047	5.1850	0.13000				1			0
022.99	Copper, Miscellaneous (mg / kg (ppm))	0242	4.0000	0.00000				1			0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	2115	39.362	0.12600				1			0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0051	38.000	4.0000	45.150	5.7248	3.2363	10	-1.25	8%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0511	40.500	1.0000	45.150	5.7248	3.2363	10	-0.81	5%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0208	40.890	3.6200	45.150	5.7248	3.2363	10	-0.74	5%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0164	43.000	2.0000	45.150	5.7248	3.2363	10	-0.38	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0074	44.000	4.0000	45.150	5.7248	3.2363	10	-0.20	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0407	45.539	1.3416	45.150	5.7248	3.2363	10	0.07	0%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0098	46.270	0.90000	45.150	5.7248	3.2363	10	0.20	1%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	2114	47.099	0.19100	45.150	5.7248	3.2363	10	0.34	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0019	52.470	11.120	45.150	5.7248	3.2363	10	1.28	8%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0171	55.295	4.1900	45.150	5.7248	3.2363	10	1.77	11%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0870	44.930	1.8200				2			0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	2207	47.500	1.0000				2			0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2058	38.500	0.28000	46.589	6.2406	2.7315	8	-1.30	9%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0964	42.615	2.6118	46.589	6.2406	2.7315	8	-0.64	4%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0027	44.210	3.6400	46.589	6.2406	2.7315	8	-0.38	3%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0098	44.465	1.4100	46.589	6.2406	2.7315	8	-0.34	2%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2124	45.970	3.0200	46.589	6.2406	2.7315	8	-0.10	1%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2033	49.500	3.0000	46.589	6.2406	2.7315	8	0.47	3%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0510	51.500	1.0000	46.589	6.2406	2.7315	8	0.79	5%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2089	180.79	6.8900	46.589	6.2406	2.7315	8	21.50	144%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0042	80.550	22.300	46.589	6.2406	2.7315	8	5.44	36%	1
025.52	Iron, ICP-MS, Open vessel (mg / kg (ppm))	0047	47.055	1.3500				1			0
025.99	Iron, Miscellaneous (mg / kg (ppm))	0242	44.000	0.00000				2			0
025.99	Iron, Miscellaneous (mg / kg (ppm))	0619	47.850	0.90000				2			0
027.31	Magnesium, AAS, Dry ash (%)	2115	0.09700	0.01200				3			0
027.31	Magnesium, AAS, Dry ash (%)	0001	0.18555	0.00470				3			0
027.31	Magnesium, AAS, Dry ash (%)	0650	0.18800	0.00600				3			0
027.41	Magnesium, ICP, Dry ash (%)	0051	0.14980	0.01800	0.17101	0.00902	0.00552	9	-2.35	6%	0
027.41	Magnesium, ICP, Dry ash (%)	0164	0.16500	0.00000	0.17101	0.00902	0.00552	9	-0.67	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0407	0.16615	0.00670	0.17101	0.00902	0.00552	9	-0.54	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0511	0.17000	0.02000	0.17101	0.00902	0.00552	9	-0.11	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0098	0.17000	0.00000	0.17101	0.00902	0.00552	9	-0.11	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0074	0.17100	0.00200	0.17101	0.00902	0.00552	9	0.00	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0171	0.17600	0.00000	0.17101	0.00902	0.00552	9	0.55	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0019	0.18000	0.00000	0.17101	0.00902	0.00552	9	1.00	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0208	0.18350	0.00300	0.17101	0.00902	0.00552	9	1.38	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			
027.42	Magnesium, ICP, Open vessel (%)	0870	0.16945	0.00550				2			0
027.42	Magnesium, ICP, Open vessel (%)	2207	0.18000	0.00000				2			0
027.43	Magnesium, ICP, Microwave (%)	0042	0.16200	0.01200	0.17883	0.00880	0.00652	11	-1.91	5%	0
027.43	Magnesium, ICP, Microwave (%)	0202	0.17250	0.00300	0.17883	0.00880	0.00652	11	-0.72	2%	0
027.43	Magnesium, ICP, Microwave (%)	2187	0.17420	0.00440	0.17883	0.00880	0.00652	11	-0.53	1%	0
027.43	Magnesium, ICP, Microwave (%)	0098	0.17500	0.01000	0.17883	0.00880	0.00652	11	-0.43	1%	0
027.43	Magnesium, ICP, Microwave (%)	0027	0.17550	0.01100	0.17883	0.00880	0.00652	11	-0.38	1%	0
027.43	Magnesium, ICP, Microwave (%)	0964	0.17710	0.00700	0.17883	0.00880	0.00652	11	-0.20	0%	0
027.43	Magnesium, ICP, Microwave (%)	0510	0.18000	0.00000	0.17883	0.00880	0.00652	11	0.13	0%	0
027.43	Magnesium, ICP, Microwave (%)	0034	0.18015	0.00430	0.17883	0.00880	0.00652	11	0.15	0%	0
027.43	Magnesium, ICP, Microwave (%)	2124	0.18500	0.01000	0.17883	0.00880	0.00652	11	0.70	2%	0
027.43	Magnesium, ICP, Microwave (%)	2033	0.19000	0.00000	0.17883	0.00880	0.00652	11	1.27	3%	0
027.43	Magnesium, ICP, Microwave (%)	2089	0.20500	0.01000	0.17883	0.00880	0.00652	11	2.97	7%	0
027.44	Magnesium, ICP, Dry ash (%)	0873	0.16200	0.00400				3			0
027.44	Magnesium, ICP, Dry ash (%)	2114	0.18290	0.00220				3			0
027.44	Magnesium, ICP, Dry ash (%)	0065	1.0200	0.00000				3			0
027.52	Magnesium, ICP-MS, Open vessel (%)	0047	0.18700	0.00800				1			0
027.99	Magnesium, Miscellaneous (%)	0242	0.17000	0.00000				2			0
027.99	Magnesium, Miscellaneous (%)	0619	0.18550	0.00300				2			0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	2115	10.954	0.44800				1			0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0511	9.3950	0.97000	11.520	1.4987	0.42446	8	-1.42	9%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0051	10.175	1.0700	11.520	1.4987	0.42446	8	-0.90	6%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0074	11.000	0.00000	11.520	1.4987	0.42446	8	-0.35	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0171	11.365	0.01000	11.520	1.4987	0.42446	8	-0.10	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0019	11.830	0.18000	11.520	1.4987	0.42446	8	0.21	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0208	12.430	0.04000	11.520	1.4987	0.42446	8	0.61	4%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0407	12.528	0.15570	11.520	1.4987	0.42446	8	0.67	4%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0098	13.435	0.97000	11.520	1.4987	0.42446	8	1.28	8%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0164	11.750	4.5000	11.520	1.4987	0.42446	8	0.15	1%	1
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0870	10.880	0.32000				2			0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	2207	14.500	1.0000				2			0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2058	10.560	0.02000	12.488	1.3677	0.34768	9	-1.41	8%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0964	11.796	0.56010	12.488	1.3677	0.34768	9	-0.51	3%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0098	11.945	0.03000	12.488	1.3677	0.34768	9	-0.40	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0510	12.000	0.00000	12.488	1.3677	0.34768	9	-0.36	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0027	12.105	0.02400	12.488	1.3677	0.34768	9	-0.28	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2124	12.515	0.47000	12.488	1.3677	0.34768	9	0.02	0%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2033	12.900	0.20000	12.488	1.3677	0.34768	9	0.30	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0202	14.032	1.7050	12.488	1.3677	0.34768	9	1.13	6%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2089	17.500	0.12000	12.488	1.3677	0.34768	9	3.66	20%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0042	15.600	3.0000	12.488	1.3677	0.34768	9	2.28	12%	1
028.44	Manganese, ICP, Dry ash (mg / kg (ppm))	2114	10.215	0.31940				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			
028.52	Manganese, ICP-MS, Open vessel (mg / kg (ppm))	0047	12.040	0.06000				1			0
028.99	Manganese, Miscellaneous (mg / kg (ppm))	0242	11.000	0.00000				2			0
028.99	Manganese, Miscellaneous (mg / kg (ppm))	0619	11.750	0.30000				2			0
031.01	Phosphorus, Photometric (%)	0208	0.88500	0.11600	0.98975	0.07583	0.06800	4			0
031.01	Phosphorus, Photometric (%)	0511	0.99500	0.09000	0.98975	0.07583	0.06800	4			0
031.01	Phosphorus, Photometric (%)	2115	1.0140	0.03600	0.98975	0.07583	0.06800	4			0
031.01	Phosphorus, Photometric (%)	0650	1.0650	0.03000	0.98975	0.07583	0.06800	4			0
031.03	Phosphorus, Autoanalyzer (%)	0001	1.0415	0.00300				1			0
031.41	Phosphorus, ICP, Dry ash (%)	0051	0.92800	0.10780	1.0533	0.08487	0.03252	9	-1.48	6%	0
031.41	Phosphorus, ICP, Dry ash (%)	0019	0.98500	0.03000	1.0533	0.08487	0.03252	9	-0.80	3%	0
031.41	Phosphorus, ICP, Dry ash (%)	0098	1.0150	0.01200	1.0533	0.08487	0.03252	9	-0.45	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0164	1.0350	0.03000	1.0533	0.08487	0.03252	9	-0.22	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0171	1.0550	0.01000	1.0533	0.08487	0.03252	9	0.02	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0407	1.0740	0.00010	1.0533	0.08487	0.03252	9	0.24	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0074	1.0800	0.06000	1.0533	0.08487	0.03252	9	0.31	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0208	1.1285	0.01100	1.0533	0.08487	0.03252	9	0.89	4%	0
031.41	Phosphorus, ICP, Dry ash (%)	2114	1.1792	0.03180	1.0533	0.08487	0.03252	9	1.48	6%	0
031.42	Phosphorus, ICP, Open vessel (%)	0870	1.0400	0.04800				3			0
031.42	Phosphorus, ICP, Open vessel (%)	2207	1.1050	0.01000				3			0
031.42	Phosphorus, ICP, Open vessel (%)	0047	1.1250	0.03000				3			0
031.43	Phosphorus, ICP, Microwave (%)	2187	1.0416	0.01540	1.1143	0.05042	0.03162	11	-1.44	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0034	1.0565	0.03700	1.1143	0.05042	0.03162	11	-1.15	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0042	1.0800	0.00000	1.1143	0.05042	0.03162	11	-0.68	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0964	1.0976	0.01840	1.1143	0.05042	0.03162	11	-0.33	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0027	1.1055	0.07100	1.1143	0.05042	0.03162	11	-0.17	0%	0
031.43	Phosphorus, ICP, Microwave (%)	2033	1.1100	0.00000	1.1143	0.05042	0.03162	11	-0.08	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0098	1.1375	0.08100	1.1143	0.05042	0.03162	11	0.46	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0202	1.1385	0.00500	1.1143	0.05042	0.03162	11	0.48	1%	0
031.43	Phosphorus, ICP, Microwave (%)	2089	1.1400	0.00000	1.1143	0.05042	0.03162	11	0.51	1%	0
031.43	Phosphorus, ICP, Microwave (%)	2124	1.1600	0.08000	1.1143	0.05042	0.03162	11	0.91	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0510	1.2200	0.04000	1.1143	0.05042	0.03162	11	2.10	5%	0
031.44	Phosphorus, ICP, Dry ash (%)	0065	0.16700	0.00000				2			0
031.44	Phosphorus, ICP, Dry ash (%)	0873	1.0300	0.02000				2			0
031.99	Phosphorus, Miscellaneous (%)	0619	1.0300	0.02000				2			0
031.99	Phosphorus, Miscellaneous (%)	0242	1.0950	0.01000				2			0
032.02	Potassium, Flame Emission (%)	0504	1.0650	0.03000				1			0
032.31	Potassium, AAS, Dry ash (%)	2115	0.67700	0.00200				2			0
032.31	Potassium, AAS, Dry ash (%)	0650	1.0900	0.02000				2			0
032.41	Potassium, ICP, Dry ash (%)	0051	0.92110	0.11420	1.0462	0.06074	0.04080	9	-2.06	6%	0
032.41	Potassium, ICP, Dry ash (%)	0019	1.0000	0.00000	1.0462	0.06074	0.04080	9	-0.76	2%	0
032.41	Potassium, ICP, Dry ash (%)	0098	1.0050	0.01000	1.0462	0.06074	0.04080	9	-0.68	2%	0
032.41	Potassium, ICP, Dry ash (%)	0164	1.0200	0.00000	1.0462	0.06074	0.04080	9	-0.43	1%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
032.41	Potassium, ICP, Dry ash (%)	0208	1.0640	0.01600	1.0462	0.06074	0.04080	9	0.29	1%	0
032.41	Potassium, ICP, Dry ash (%)	0074	1.0650	0.01000	1.0462	0.06074	0.04080	9	0.31	1%	0
032.41	Potassium, ICP, Dry ash (%)	0511	1.1000	0.16000	1.0462	0.06074	0.04080	9	0.88	3%	0
032.41	Potassium, ICP, Dry ash (%)	0407	1.1031	0.02100	1.0462	0.06074	0.04080	9	0.94	3%	0
032.41	Potassium, ICP, Dry ash (%)	0171	1.1040	0.03600	1.0462	0.06074	0.04080	9	0.95	3%	0
032.42	Potassium, ICP, Open vessel (%)	0047	1.0450	0.03000				3			0
032.42	Potassium, ICP, Open vessel (%)	0870	1.0680	0.03000				3			0
032.42	Potassium, ICP, Open vessel (%)	2207	1.0900	0.00000				3			0
032.43	Potassium, ICP, Microwave (%)	0042	0.93150	0.03500	1.0502	0.07913	0.02847	10	-1.50	6%	0
032.43	Potassium, ICP, Microwave (%)	0964	0.97215	0.00170	1.0502	0.07913	0.02847	10	-0.99	4%	0
032.43	Potassium, ICP, Microwave (%)	0098	0.99500	0.05000	1.0502	0.07913	0.02847	10	-0.70	3%	0
032.43	Potassium, ICP, Microwave (%)	0027	1.0170	0.05000	1.0502	0.07913	0.02847	10	-0.42	2%	0
032.43	Potassium, ICP, Microwave (%)	0510	1.0350	0.01000	1.0502	0.07913	0.02847	10	-0.19	1%	0
032.43	Potassium, ICP, Microwave (%)	2089	1.0950	0.01000	1.0502	0.07913	0.02847	10	0.57	2%	0
032.43	Potassium, ICP, Microwave (%)	2033	1.1000	0.00000	1.0502	0.07913	0.02847	10	0.63	2%	0
032.43	Potassium, ICP, Microwave (%)	0202	1.1040	0.04200	1.0502	0.07913	0.02847	10	0.68	3%	0
032.43	Potassium, ICP, Microwave (%)	0034	1.1120	0.00600	1.0502	0.07913	0.02847	10	0.78	3%	0
032.43	Potassium, ICP, Microwave (%)	2124	1.1400	0.08000	1.0502	0.07913	0.02847	10	1.14	4%	0
032.43	Potassium, ICP, Microwave (%)	2187	0.91735	0.18990	1.0502	0.07913	0.02847	10	-1.68	6%	1
032.44	Potassium, ICP, Dry ash (%)	0065	0.14000	0.00000				3			0
032.44	Potassium, ICP, Dry ash (%)	0873	0.90500	0.01000				3			0
032.44	Potassium, ICP, Dry ash (%)	2114	0.90860	0.00040				3			0
032.99	Potassium, Miscellaneous (%)	0619	0.88700	0.01000				3			0
032.99	Potassium, Miscellaneous (%)	0001	1.0425	0.00100				3			0
032.99	Potassium, Miscellaneous (%)	0242	1.0750	0.01000				3			0
033.00	Salt as chloride, Sol Cl (%)	0504	0.08000	0.00000				2			0
033.00	Salt as chloride, Sol Cl (%)	0309	0.17030	0.01120				2			0
033.01	Salt as chloride, Poten Cl (%)	0650	0.14500	0.01000	0.20750	0.04561	0.00333	6	-1.37	15%	0
033.01	Salt as chloride, Poten Cl (%)	0242	0.18000	0.00000	0.20750	0.04561	0.00333	6	-0.60	7%	0
033.01	Salt as chloride, Poten Cl (%)	0510	0.21000	0.00000	0.20750	0.04561	0.00333	6	0.05	1%	0
033.01	Salt as chloride, Poten Cl (%)	0164	0.22000	0.00000	0.20750	0.04561	0.00333	6	0.27	3%	0
033.01	Salt as chloride, Poten Cl (%)	0098	0.23000	0.00000	0.20750	0.04561	0.00333	6	0.49	5%	0
033.01	Salt as chloride, Poten Cl (%)	0407	0.26000	0.01000	0.20750	0.04561	0.00333	6	1.15	13%	0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0171	0.19360	0.00720				2			0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0164	0.27305	0.00030				2			0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	0407	1.5325	0.80500				1			0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	2124	< 1					1			5
035.05	Sodium, Flame Emission (%)	0504	0.14000	0.00000				1			0
035.31	Sodium, AAS, Dry ash (%)	2115	0.07150	0.00100				2			0
035.31	Sodium, AAS, Dry ash (%)	0650	0.15500	0.02800				2			0
035.41	Sodium, ICP, Dry ash (%)	2114	0.11520	0.00920	0.13657	0.01448	0.00489	11	-1.48	8%	0
035.41	Sodium, ICP, Dry ash (%)	0051	0.11630	0.01780	0.13657	0.01448	0.00489	11	-1.40	7%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
035.41	Sodium, ICP, Dry ash (%)	0019	0.13000	0.00000	0.13657	0.01448	0.00489	11	-0.45	2%	0
035.41	Sodium, ICP, Dry ash (%)	0098	0.13000	0.00000	0.13657	0.01448	0.00489	11	-0.45	2%	0
035.41	Sodium, ICP, Dry ash (%)	0164	0.13350	0.00100	0.13657	0.01448	0.00489	11	-0.21	1%	0
035.41	Sodium, ICP, Dry ash (%)	0511	0.14000	0.02000	0.13657	0.01448	0.00489	11	0.24	1%	0
035.41	Sodium, ICP, Dry ash (%)	0208	0.14150	0.00300	0.13657	0.01448	0.00489	11	0.34	2%	0
035.41	Sodium, ICP, Dry ash (%)	0407	0.14530	0.00180	0.13657	0.01448	0.00489	11	0.60	3%	0
035.41	Sodium, ICP, Dry ash (%)	0619	0.15000	0.00000	0.13657	0.01448	0.00489	11	0.93	5%	0
035.41	Sodium, ICP, Dry ash (%)	0873	0.15000	0.00000	0.13657	0.01448	0.00489	11	0.93	5%	0
035.41	Sodium, ICP, Dry ash (%)	0171	0.15050	0.00100	0.13657	0.01448	0.00489	11	0.96	5%	0
035.41	Sodium, ICP, Dry ash (%)	0065	1.0300	0.00000	0.13657	0.01448	0.00489	11	61.70	327%	2
035.42	Sodium, ICP, Open vessel (%)	2207	0.12000	0.00000				2			0
035.42	Sodium, ICP, Open vessel (%)	0870	0.13445	0.00210				2			0
035.43	Sodium, ICP, Microwave (%)	0034	0.08645	0.00530	0.13576	0.01145	0.00544	9	-4.31	18%	0
035.43	Sodium, ICP, Microwave (%)	0964	0.12805	0.00690	0.13576	0.01145	0.00544	9	-0.67	3%	0
035.43	Sodium, ICP, Microwave (%)	2187	0.12970	0.00380	0.13576	0.01145	0.00544	9	-0.53	2%	0
035.43	Sodium, ICP, Microwave (%)	0098	0.13000	0.02000	0.13576	0.01145	0.00544	9	-0.50	2%	0
035.43	Sodium, ICP, Microwave (%)	0510	0.13550	0.00100	0.13576	0.01145	0.00544	9	-0.02	0%	0
035.43	Sodium, ICP, Microwave (%)	2033	0.14000	0.00000	0.13576	0.01145	0.00544	9	0.37	2%	0
035.43	Sodium, ICP, Microwave (%)	0202	0.14500	0.00200	0.13576	0.01145	0.00544	9	0.81	3%	0
035.43	Sodium, ICP, Microwave (%)	2124	0.14500	0.01000	0.13576	0.01145	0.00544	9	0.81	3%	0
035.43	Sodium, ICP, Microwave (%)	2089	0.15000	0.00000	0.13576	0.01145	0.00544	9	1.24	5%	0
035.43	Sodium, ICP, Microwave (%)	0042	0.15500	0.07800	0.13576	0.01145	0.00544	9	1.68	7%	1
035.99	Sodium, Miscellaneous (%)	0242	0.14500	0.01000				1			0
036.42	Sulfur, ICP, Open vessel (%)	0870	0.33900	0.00900				3			0
036.42	Sulfur, ICP, Open vessel (%)	0171	0.36050	0.00300				3			0
036.42	Sulfur, ICP, Open vessel (%)	0407	0.36850	0.01500				3			0
036.43	Sulfur, ICP, Microwave (%)	0098	0.38695	0.00490	0.39661	0.00763	0.00698	4			0
036.43	Sulfur, ICP, Microwave (%)	0510	0.39500	0.01000	0.39661	0.00763	0.00698	4			0
036.43	Sulfur, ICP, Microwave (%)	0202	0.39950	0.00300	0.39661	0.00763	0.00698	4			0
036.43	Sulfur, ICP, Microwave (%)	2089	0.40500	0.01000	0.39661	0.00763	0.00698	4			0
036.99	Sulfur, Miscellaneous (%)	0242	0.36500	0.01000				1			0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0001	70.170	8.5400				2			0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	2115	78.985	1.0100				2			0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0051	73.820	6.6600	81.771	8.0965	2.5305	9	-0.98	5%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0074	74.500	1.0000	81.771	8.0965	2.5305	9	-0.90	4%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0511	74.500	7.0000	81.771	8.0965	2.5305	9	-0.90	4%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0164	80.000	2.0000	81.771	8.0965	2.5305	9	-0.22	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0098	82.085	0.17000	81.771	8.0965	2.5305	9	0.04	0%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0208	82.215	2.2900	81.771	8.0965	2.5305	9	0.05	0%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0019	84.035	0.75000	81.771	8.0965	2.5305	9	0.28	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0407	90.870	1.7143	81.771	8.0965	2.5305	9	1.12	6%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0171	107.31	1.1900	81.771	8.0965	2.5305	9	3.15	16%	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			
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0870	71.790	1.3200				2			0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	2207	87.500	1.0000				2			0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2058	75.295	4.1900	87.080	7.9328	3.1820	10	-1.49	7%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0098	81.135	0.49000	87.080	7.9328	3.1820	10	-0.75	3%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0964	81.594	6.6687	87.080	7.9328	3.1820	10	-0.69	3%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0510	85.000	0.00000	87.080	7.9328	3.1820	10	-0.26	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2124	87.165	5.6300	87.080	7.9328	3.1820	10	0.01	0%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0042	87.700	4.6000	87.080	7.9328	3.1820	10	0.08	0%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0202	88.608	1.8930	87.080	7.9328	3.1820	10	0.19	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0027	89.015	5.7780	87.080	7.9328	3.1820	10	0.24	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2033	96.600	1.0000	87.080	7.9328	3.1820	10	1.20	5%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2089	98.685	1.5700	87.080	7.9328	3.1820	10	1.46	7%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0034	93.605	17.990	87.080	7.9328	3.1820	10	0.82	4%	1
037.44	Zinc, ICP, Dry ash (mg / kg (ppm))	2114	81.386	1.1986				1			0
037.52	Zinc, ICP-MS, Open vessel (mg / kg (ppm))	0047	81.170	0.34000				1			0
037.99	Zinc, Miscellaneous (mg / kg (ppm))	0242	76.000	0.00000				2			0
037.99	Zinc, Miscellaneous (mg / kg (ppm))	0619	90.400	4.6000				2			0
038.41	Molybdenum, ICP, Dry ash (mg / kg (ppm))	0171	0.68850	0.03500				1			0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0510	1.0000	0.00000				1			0
102.01	Niacin, Microbiological (mg / kg (ppm))	0227	51.700	6.0000				1			0
103.01	Pantothenic Acid, Microbiological (mg / kg (ppm))	0227	1.6200	0.16000				1			0
104.00	Riboflavin, Fluorometric (mg / kg (ppm))	0227	15.650	0.90000				1			0
105.01	Thiamine, Fluorometer (mg / kg (ppm))	0227	1.9950	0.09000				1			0
106.02	Vitamin A, LC (KU / kg)	0676	0.00000	0.00000				0			4
107.00	Vitamin B12, Microbiological (µg / kg (ppb))	0227	< 4.4					0			5
108.02	Vitamin D3, LC (KU / kg)	0676	48.685	1.3700				1			0
109.02	Vitamin E, LC (IU / kg)	0676	2.2000	0.40000				1			0
113.01	Folic Acid, Micro (mg / kg (ppm))	0227	10.750	0.50000				1			0
114.01	Biotin, Microbiological (mg / kg (ppm))	0227	0.77150	0.12100				1			0
120.00	Alanine, Post-col Ninhydrin Der (%)	0504	3.0500	0.02000	3.1981	0.13359	0.03240	5			0
120.00	Alanine, Post-col Ninhydrin Der (%)	0619	3.0900	0.02000	3.1981	0.13359	0.03240	5			0
120.00	Alanine, Post-col Ninhydrin Der (%)	0870	3.2246	0.06000	3.1981	0.13359	0.03240	5			0
120.00	Alanine, Post-col Ninhydrin Der (%)	0227	3.2400	0.01400	3.1981	0.13359	0.03240	5			0
120.00	Alanine, Post-col Ninhydrin Der (%)	0171	3.3860	0.04800	3.1981	0.13359	0.03240	5			0
120.02	Alanine, Post-col OPA Der (%)	2023	2.9450	0.03000				1			0
120.05	Alanine, Pre-col AQC Der (%)	0407	2.9340	0.13800				2			0
120.05	Alanine, Pre-col AQC Der (%)	0676	2.9600	0.04000				2			0
120.99	Alanine, Miscellaneous (%)	2115	2.9520	0.06200				1			0
121.00	Arginine, Post-col Ninhydrin Der (%)	0171	2.0030	0.00200	2.0375	0.02133	0.01526	5			0
121.00	Arginine, Post-col Ninhydrin Der (%)	0619	2.0350	0.03000	2.0375	0.02133	0.01526	5			0
121.00	Arginine, Post-col Ninhydrin Der (%)	0870	2.0427	0.02830	2.0375	0.02133	0.01526	5			0
121.00	Arginine, Post-col Ninhydrin Der (%)	0227	2.0470	0.01600	2.0375	0.02133	0.01526	5			0

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121.00	Arginine, Post-col Ninhydrin Der (%)	0504	2.0600	0.00000	2.0375	0.02133	0.01526	5		0	
121.02	Arginine, Post-col OPA Der (%)	2023	2.0250	0.05000				1		0	
121.05	Arginine, Pre-col AQC Der (%)	0407	1.8910	0.13600				2		0	
121.05	Arginine, Pre-col AQC Der (%)	0676	2.0450	0.01000				2		0	
121.99	Arginine, Miscellaneous (%)	2115	1.8715	0.11500				1		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0504	3.9350	0.03000	4.1523	0.13481	0.03522	5		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0870	4.1478	0.05110	4.1523	0.13481	0.03522	5		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0227	4.1800	0.01800	4.1523	0.13481	0.03522	5		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0619	4.1950	0.05000	4.1523	0.13481	0.03522	5		0	
122.00	Aspartic, Post-col Ninhydrin Der (%)	0171	4.3035	0.02700	4.1523	0.13481	0.03522	5		0	
122.02	Aspartic, Post-col OPA Der (%)	2023	4.0700	0.04000				1		0	
122.05	Aspartic, Pre-col AQC Der (%)	0676	3.8500	0.18000				2		0	
122.05	Aspartic, Pre-col AQC Der (%)	0407	3.9170	0.28000				2		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0870	0.43850	0.00680	0.47252	0.03144	0.01008	5		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0227	0.43860	0.00060	0.47252	0.03144	0.01008	5		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0504	0.49000	0.02000	0.47252	0.03144	0.01008	5		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0619	0.49200	0.00800	0.47252	0.03144	0.01008	5		0	
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin (%)	0171	0.50350	0.01500	0.47252	0.03144	0.01008	5		0	
124.02	Cysteine/Cystine, PAO Post-col OPA Der (%)	2023	0.55000	0.06000				1		0	
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0407	0.41950	0.10700				2		0	
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0676	0.46000	0.00000				2		0	
124.99	Cysteine/Cystine, Miscellaneous (%)	2115	0.46050	0.01100				1		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0504	4.9800	0.08000	5.6378	0.53051	0.05460	5		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0171	5.1890	0.02600	5.6378	0.53051	0.05460	5		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0227	5.8235	0.01700	5.6378	0.53051	0.05460	5		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0619	5.9700	0.04000	5.6378	0.53051	0.05460	5		0	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0870	6.2267	0.11000	5.6378	0.53051	0.05460	5		0	
125.02	Glutamic, Post-col OPA Der (%)	2023	5.8850	0.09000				1		0	
125.05	Glutamic, Pre-col AQC Der (%)	0676	4.5000	0.22000				2		0	
125.05	Glutamic, Pre-col AQC Der (%)	0407	5.5390	0.30000				2		0	
125.99	Glutamic, Miscellaneous (%)	2115	5.5210	0.09800				1		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0171	1.7805	0.00100	1.9198	0.10901	0.01238	5		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0870	1.8765	0.00490	1.9198	0.10901	0.01238	5		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0619	1.8850	0.03000	1.9198	0.10901	0.01238	5		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0227	2.0020	0.01600	1.9198	0.10901	0.01238	5		0	
126.00	Glycine, Post-col Ninhydrin Der (%)	0504	2.0550	0.01000	1.9198	0.10901	0.01238	5		0	
126.05	Glycine, Pre-col AQC Der (%)	0407	1.9730	0.10200				2		0	
126.05	Glycine, Pre-col AQC Der (%)	0676	2.0050	0.03000				2		0	
126.99	Glycine, Miscellaneous (%)	2115	1.8740	0.08000				1		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0171	0.87350	0.00300	0.99803	0.10122	0.00270	4		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0870	0.98610	0.00080	0.99803	0.10122	0.00270	4		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0227	1.0125	0.00700	0.99803	0.10122	0.00270	4		0	

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127.00	Histidine, Post-col Ninhydrin Der (%)	0504	1.1200	0.00000	0.99803	0.10122	0.00270	4		0	
127.00	Histidine, Post-col Ninhydrin Der (%)	0619	1.0650	0.03000	0.99803	0.10122	0.00270	4		1	
127.02	Histidine, Post-col OPA Der (%)	2023	0.95500	0.01000				1		0	
127.05	Histidine, Pre-col AQC Der (%)	0407	1.0050	0.04000				2		0	
127.05	Histidine, Pre-col AQC Der (%)	0676	1.0150	0.01000				2		0	
127.99	Histidine, Miscellaneous (%)	2115	1.0760	0.00600				1		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0171	1.8600	0.01600	2.0175	0.14282	0.01722	5		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0619	1.9050	0.03000	2.0175	0.14282	0.01722	5		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0870	2.0061	0.01310	2.0175	0.14282	0.01722	5		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0227	2.1115	0.01700	2.0175	0.14282	0.01722	5		0	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0504	2.2050	0.01000	2.0175	0.14282	0.01722	5		0	
128.02	Isoleucine, Post-col OPA Der (%)	2023	1.9100	0.00000				1		0	
128.05	Isoleucine, Pre-col AQC Der (%)	0676	2.0100	0.02000				2		0	
128.05	Isoleucine, Pre-col AQC Der (%)	0407	2.0520	0.14200				2		0	
128.99	Isoleucine, Miscellaneous (%)	2115	1.9695	0.03900				1		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0870	3.4699	0.02960	3.5117	0.05780	0.01812	5		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0619	3.4750	0.01000	3.5117	0.05780	0.01812	5		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0171	3.4780	0.01400	3.5117	0.05780	0.01812	5		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0504	3.5300	0.02000	3.5117	0.05780	0.01812	5		0	
129.00	Leucine, Post-col Ninhydrin Der (%)	0227	3.6055	0.01700	3.5117	0.05780	0.01812	5		0	
129.02	Leucine, Post-col OPA Der (%)	2023	3.4200	0.02000				1		0	
129.05	Leucine, Pre-col AQC Der (%)	0407	3.4315	0.16900				2		0	
129.05	Leucine, Pre-col AQC Der (%)	0676	3.4400	0.10000				2		0	
129.99	Leucine, Miscellaneous (%)	2115	3.3590	0.05200				1		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0171	2.3015	0.05100	2.9023	0.35216	0.03540	5		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0619	2.8700	0.04000	2.9023	0.35216	0.03540	5		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0870	3.0984	0.04500	2.9023	0.35216	0.03540	5		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0227	3.1115	0.02100	2.9023	0.35216	0.03540	5		0	
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0504	3.1300	0.02000	2.9023	0.35216	0.03540	5		0	
130.02	L-Lysine, Post-col OPA Der (%)	2023	2.8750	0.01000				1		0	
130.05	L-Lysine, Pre-col AQC Der (%)	0407	2.8265	0.15900				2		0	
130.05	L-Lysine, Pre-col AQC Der (%)	0676	2.9750	0.03000				2		0	
130.99	L-Lysine, Miscellaneous (%)	2115	2.8775	0.03900				1		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0619	0.64050	0.00300	0.70496	0.03969	0.01852	5		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0171	0.69800	0.04000	0.70496	0.03969	0.01852	5		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0870	0.71695	0.03350	0.70496	0.03969	0.01852	5		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0504	0.72500	0.01000	0.70496	0.03969	0.01852	5		0	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0227	0.74435	0.00610	0.70496	0.03969	0.01852	5		0	
131.02	Methionine, PAO Post-col OPA Der (%)	2023	0.70000	0.00000				1		0	
131.05	Methionine, PAO Pre-col AQC Der (%)	0407	0.75450	0.08100				2		0	
131.05	Methionine, PAO Pre-col AQC Der (%)	0676	0.91500	0.01000				2		0	
131.99	Methionine, Miscellaneous (%)	2115	0.66150	0.01500				1		0	

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132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0870	1.8165	0.02530	1.9145	0.08463	0.01666	5		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0171	1.8615	0.04100	1.9145	0.08463	0.01666	5		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0227	1.8895	0.00700	1.9145	0.08463	0.01666	5		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0619	1.9950	0.01000	1.9145	0.08463	0.01666	5		0	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0504	2.0100	0.00000	1.9145	0.08463	0.01666	5		0	
132.02	Phenylalanine, Post-col OPA Der (%)	2023	1.8450	0.01000				1		0	
132.05	Phenylalanine, Pre-col AQC Der (%)	0407	1.8815	0.10100				2		0	
132.05	Phenylalanine, Pre-col AQC Der (%)	0676	1.8950	0.07000				2		0	
132.99	Phenylalanine, Miscellaneous (%)	2115	1.7775	0.00300				1		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0870	1.7241	0.01780	1.9077	0.11342	0.04216	5		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0619	1.8800	0.02000	1.9077	0.11342	0.04216	5		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0504	1.9450	0.05000	1.9077	0.11342	0.04216	5		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0227	1.9800	0.04000	1.9077	0.11342	0.04216	5		0	
133.00	Proline, Post-col Ninhydrin Der (%)	0171	2.0095	0.08300	1.9077	0.11342	0.04216	5		0	
133.05	Proline, Pre-col AQC Der (%)	0407	1.9175	0.08900				2		0	
133.05	Proline, Pre-col AQC Der (%)	0676	1.9200	0.06000				2		0	
133.99	Proline, Miscellaneous (%)	2023	1.9400	0.02000				2		0	
133.99	Proline, Miscellaneous (%)	2115	1.9860	0.02400				2		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0227	2.1165	0.00900	2.1809	0.05877	0.02490	4		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0171	2.1605	0.01300	2.1809	0.05877	0.02490	4		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0619	2.1900	0.06000	2.1809	0.05877	0.02490	4		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0870	2.2565	0.01760	2.1809	0.05877	0.02490	4		0	
134.00	Serine, Post-col Ninhydrin Der (%)	0504	1.7850	0.03000	2.1809	0.05877	0.02490	4		2	
134.02	Serine, Post-col OPA Der (%)	2023	2.0250	0.03000				1		0	
134.05	Serine, Pre-col AQC Der (%)	0407	1.8470	0.02200				2		0	
134.05	Serine, Pre-col AQC Der (%)	0676	2.0000	0.04000				2		0	
134.99	Serine, Miscellaneous (%)	2115	1.9740	0.00800				1		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0504	2.0400	0.02000	2.1522	0.10141	0.02334	5		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0619	2.1300	0.04000	2.1522	0.10141	0.02334	5		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0227	2.1305	0.00900	2.1522	0.10141	0.02334	5		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0870	2.1427	0.03970	2.1522	0.10141	0.02334	5		0	
135.00	Threonine, Post-col Ninhydrin Der (%)	0171	2.3180	0.00800	2.1522	0.10141	0.02334	5		0	
135.02	Threonine, Post-col OPA Der (%)	2023	2.0700	0.02000				1		0	
135.05	Threonine, Pre-col AQC Der (%)	0407	1.8095	0.07700				2		0	
135.05	Threonine, Pre-col AQC Der (%)	0676	2.1050	0.09000				2		0	
135.99	Threonine, Miscellaneous (%)	2115	1.9865	0.01700				1		0	
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0870	0.45380	0.00440				3		0	
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0619	0.50500	0.02000				3		0	
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0227	0.55000	0.04000				3		0	
136.02	Tryptophan, Alka-Hydrol Post-col OPA De (%)	2023	0.44000	0.02000				1		0	
136.05	Tryptophan, Pre-col AQC Der (%)	0407	0.57550	0.02500				1		0	
136.99	Tryptophan, Miscellaneous (%)	0504	0.48000	0.02000				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			
136.99	Tryptophan, Miscellaneous (%)	2114	0.55085	0.01270				2		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0227	1.3255	0.02900	1.5181	0.15259	0.02438	4		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0870	1.4720	0.02650	1.5181	0.15259	0.02438	4		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0171	1.6050	0.02200	1.5181	0.15259	0.02438	4		0	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0504	1.6700	0.02000	1.5181	0.15259	0.02438	4		0	
137.02	Tyrosine, Post-col OPA Der (%)	2023	1.4200	0.00000				1		0	
137.05	Tyrosine, Pre-col AQC Der (%)	0407	1.4585	0.07700				2		0	
137.05	Tyrosine, Pre-col AQC Der (%)	0676	1.5950	0.11000				2		0	
137.99	Tyrosine, Miscellaneous (%)	2115	1.4090	0.06800				1		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0171	2.1830	0.00600	2.3655	0.15833	0.02710	5		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0619	2.2200	0.06000	2.3655	0.15833	0.02710	5		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0870	2.3937	0.02150	2.3655	0.15833	0.02710	5		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0504	2.5150	0.01000	2.3655	0.15833	0.02710	5		0	
138.00	Valine, Post-col Ninhydrin Der (%)	0227	2.5160	0.03800	2.3655	0.15833	0.02710	5		0	
138.02	Valine, Post-col OPA Der (%)	2023	2.2650	0.03000				1		0	
138.05	Valine, Pre-col AQC Der (%)	0676	2.4900	0.10000				2		0	
138.05	Valine, Pre-col AQC Der (%)	0407	2.5580	0.17200				2		0	
138.99	Valine, Miscellaneous (%)	2115	2.4220	0.04200				1		0	
139.00	Taurine, Post-col Ninhydrin Der (%)	0504	0.09500	0.01000				1		0	
139.05	Taurine, Pre-col AQC Der (%)	0407	0.01650	0.00100				1		0	
139.99	Taurine, Miscellaneous (%)	2115	0.17150	0.01100				1		0	
160.99	Fructose, Miscellaneous (%)	0619	0.00000	0.00000				0		4	
162.99	Glucose, Miscellaneous (%)	0619	0.00000	0.00000				0		4	
163.99	Lactose, Miscellaneous (%)	0619	0.00000	0.00000				0		4	
165.99	Sucrose, Miscellaneous (%)	0619	0.00000	0.00000				0		4	
166.99	Raffinose, Miscellaneous (%)	0619	0.00000	0.00000				0		4	
167.99	Stachyose, Miscellaneous (%)	0619	0.00000	0.00000				0		4	
400.01	Water Activity, Aqualab chilled mirror (Units)	0407	0.36855	0.00110				1		0	
516.00	Arsenic, Total, AA, Hydride (mg / kg (ppm))	0171	0.03280	0.00040				1		0	
516.43	Arsenic, Total, ICP, Microwave (mg / kg (ppm))	0407	1.2335	0.41300				1		0	
516.43	Arsenic, Total, ICP, Microwave (mg / kg (ppm))	2124	< 0.89					1		5	
516.53	Arsenic, Total, ICP-MS, Microwave (mg / kg (ppm))	0227	0.05700	0.01600				1		0	
518.41	Cadmium, ICP, Dry ash (mg / kg (ppm))	0171	< 0.05					0		5	
518.43	Cadmium, ICP, Microwave (mg / kg (ppm))	2124	< 0.16					0		5	
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0227	< 0.01					0		5	
520.41	Chromium, ICP, Dry ash (mg / kg (ppm))	0171	0.71650	0.04100				1		0	
520.43	Chromium, ICP, Microwave (mg / kg (ppm))	0510	0.38500	0.01000				1		0	
526.41	Lead, ICP, Dry ash (mg / kg (ppm))	0171	< 0.05					0		5	
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0227	0.02600	0.00200				1		0	
539.41	Nickel, ICP, Dry ash (mg / kg (ppm))	0171	0.60750	0.01100				1		0	
710.99	Lauric Acid (12:0), Miscellaneous (%) (w/w)	2124	< 0.01					0		5	
714.99	Myristic Acid (14:0), Miscellaneous (%) (w/w)	2124	< 0.01					0		5	

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716.99	Palmitic Acid (16:0), Miscellaneous (% (w/w))	2124	1.0800	0.02000				1		0	
718.99	Palmitoleic Acid (9c-16:1), Miscellaneous (% (w/w))	2124	0.01000	0.00000				1		0	
722.99	Stearic Acid (18:0), Miscellaneous (% (w/w))	2124	0.20000	0.00000				1		0	
724.99	Oleic Acid (9c-18:1), Miscellaneous (% (w/w))	2124	0.37000	0.00000				1		0	
726.99	Linoleic Acid (9c,12c-18:2), Miscellaneous (% (w/w))	2124	1.5750	0.03000				1		0	
728.99	alpha-Linolenic Acid (9c,12c,15c-18:3), Miscellaneous (%)	2124	0.09000	0.00000				1		0	
740.99	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5), Mis	2124	< 0.01					0		5	
750.99	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-22:6)	2124	< 0.01					0		5	
754.99	Total n-3 Polyunsaturated (Omega-3) Fatty Acids, Miscell:	2124	0.10000	0.00000				1		0	
756.99	Total n-6 Polyunsaturated (Omega-6) Fatty Acids, Miscell:	2124	1.5900	0.02000				1		0	
772.99	Total Fatty Acids, Miscellaneous (% (w/w))	2124	3.3550	0.05000				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.