

# Labs Reporting: 196  
# Methods Reported 385  
Issue Date : 10/31/2019

**Animal Feed Scheme**  
**Sheep Feed, Medicated**  
**Test Material Code # 201929**

**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			
000.02	Urea, As protein, Colorimetric (%)	0278	1.300	0.0000				1			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0169	8.525	0.0100				3			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0309	8.599	0.0350				3			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0027	8.984	0.0060				3			0
001.00	Loss on Drying, Vac 95°C 5 hr (%)	0504	7.880	0.3600				3			1
001.03	Loss on Drying, Low temp. methods (%)	0868	8.370	0.0000	8.590	0.2857	0.0400	4			0
001.03	Loss on Drying, Low temp. methods (%)	0619	8.490	0.0600	8.590	0.2857	0.0400	4			0
001.03	Loss on Drying, Low temp. methods (%)	0878	8.490	0.0600	8.590	0.2857	0.0400	4			0
001.03	Loss on Drying, Low temp. methods (%)	0843	9.010	0.0400	8.590	0.2857	0.0400	4			0
001.05	Loss on Drying, LECO (%)	0644	7.960	0.1400				3			0
001.05	Loss on Drying, LECO (%)	0074	8.455	0.0300				3			0
001.05	Loss on Drying, LECO (%)	0610	8.480	0.0600				3			0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0074	6.700	0.4000	8.461	0.3168	0.0971	51	-5.56	10%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0019	7.350	0.7000	8.461	0.3168	0.0971	51	-3.51	7%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0034	7.665	0.1700	8.461	0.3168	0.0971	51	-2.51	5%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0345	7.665	0.0300	8.461	0.3168	0.0971	51	-2.51	5%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0226	7.985	0.1700	8.461	0.3168	0.0971	51	-1.50	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0083	8.020	0.1000	8.461	0.3168	0.0971	51	-1.39	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2259	8.058	0.2010	8.461	0.3168	0.0971	51	-1.27	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0353	8.085	0.0300	8.461	0.3168	0.0971	51	-1.19	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0609	8.100	0.0000	8.461	0.3168	0.0971	51	-1.14	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0505	8.160	0.1600	8.461	0.3168	0.0971	51	-0.95	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0853	8.200	0.0000	8.461	0.3168	0.0971	51	-0.82	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0038	8.210	0.0400	8.461	0.3168	0.0971	51	-0.79	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2262	8.253	0.0880	8.461	0.3168	0.0971	51	-0.66	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0142	8.270	0.0400	8.461	0.3168	0.0971	51	-0.60	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2146	8.305	0.0300	8.461	0.3168	0.0971	51	-0.49	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0089	8.310	0.0200	8.461	0.3168	0.0971	51	-0.48	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0187	8.335	0.0100	8.461	0.3168	0.0971	51	-0.40	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2144	8.340	0.0400	8.461	0.3168	0.0971	51	-0.38	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0148	8.415	0.0700	8.461	0.3168	0.0971	51	-0.14	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2009	8.439	0.0027	8.461	0.3168	0.0971	51	-0.07	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2192	8.440	0.1200	8.461	0.3168	0.0971	51	-0.07	0%	0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0675	8.450	0.0200	8.461	0.3168	0.0971	51	-0.03	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2190	8.450	0.0200	8.461	0.3168	0.0971	51	-0.03	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0049	8.465	0.1700	8.461	0.3168	0.0971	51	0.01	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2012	8.465	0.2500	8.461	0.3168	0.0971	51	0.01	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0297	8.495	0.5300	8.461	0.3168	0.0971	51	0.11	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0171	8.505	0.0700	8.461	0.3168	0.0971	51	0.14	0%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2059	8.550	0.0400	8.461	0.3168	0.0971	51	0.28	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2053	8.555	0.0100	8.461	0.3168	0.0971	51	0.30	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0407	8.572	0.0000	8.461	0.3168	0.0971	51	0.35	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0066	8.575	0.1500	8.461	0.3168	0.0971	51	0.36	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0849	8.575	0.0500	8.461	0.3168	0.0971	51	0.36	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0033	8.605	0.0500	8.461	0.3168	0.0971	51	0.46	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0682	8.620	0.0000	8.461	0.3168	0.0971	51	0.50	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0035	8.620	0.0200	8.461	0.3168	0.0971	51	0.50	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0098	8.620	0.0600	8.461	0.3168	0.0971	51	0.50	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0872	8.625	0.0300	8.461	0.3168	0.0971	51	0.52	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0590	8.630	0.0600	8.461	0.3168	0.0971	51	0.53	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0695	8.642	0.0730	8.461	0.3168	0.0971	51	0.57	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0003	8.670	0.0000	8.461	0.3168	0.0971	51	0.66	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0278	8.670	0.0200	8.461	0.3168	0.0971	51	0.66	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0571	8.680	0.1400	8.461	0.3168	0.0971	51	0.69	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	2109	8.700	0.0400	8.461	0.3168	0.0971	51	0.76	1%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0581	8.735	0.0100	8.461	0.3168	0.0971	51	0.87	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0139	8.785	0.0100	8.461	0.3168	0.0971	51	1.02	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0689	8.800	0.0000	8.461	0.3168	0.0971	51	1.07	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0876	8.850	0.1000	8.461	0.3168	0.0971	51	1.23	2%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0028	8.910	0.1800	8.461	0.3168	0.0971	51	1.42	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0843	9.010	0.0400	8.461	0.3168	0.0971	51	1.73	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0693	9.044	0.3790	8.461	0.3168	0.0971	51	1.84	3%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0529	9.495	0.0100	8.461	0.3168	0.0971	51	3.27	6%	0
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0366	8.850	0.9000	8.461	0.3168	0.0971	51	1.23	2%	1
001.07	Loss on Drying, 104°C 3 hr, in malt (%)	0045	91.56	0.8000	8.461	0.3168	0.0971	51	262.34	491%	2
001.99	Loss on Drying, Miscellaneous (%)	0618	6.825	0.2100	8.390	0.3934	0.0809	22	-3.98	9%	0
001.99	Loss on Drying, Miscellaneous (%)	0889	7.650	0.0400	8.390	0.3934	0.0809	22	-1.88	4%	0
001.99	Loss on Drying, Miscellaneous (%)	0918	7.900	0.0400	8.390	0.3934	0.0809	22	-1.25	3%	0
001.99	Loss on Drying, Miscellaneous (%)	0510	8.000	0.0000	8.390	0.3934	0.0809	22	-0.99	2%	0
001.99	Loss on Drying, Miscellaneous (%)	2155	8.005	0.2300	8.390	0.3934	0.0809	22	-0.98	2%	0
001.99	Loss on Drying, Miscellaneous (%)	2258	8.200	0.0800	8.390	0.3934	0.0809	22	-0.48	1%	0
001.99	Loss on Drying, Miscellaneous (%)	2018	8.220	0.0750	8.390	0.3934	0.0809	22	-0.43	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0676	8.315	0.1500	8.390	0.3934	0.0809	22	-0.19	0%	0
001.99	Loss on Drying, Miscellaneous (%)	0948	8.345	0.0300	8.390	0.3934	0.0809	22	-0.12	0%	0
001.99	Loss on Drying, Miscellaneous (%)	2253	8.375	0.0300	8.390	0.3934	0.0809	22	-0.04	0%	0

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001.99	Loss on Drying, Miscellaneous (%)	0852	8.385	0.0100	8.390	0.3934	0.0809	22	-0.01	0%	0
001.99	Loss on Drying, Miscellaneous (%)	0186	8.405	0.0100	8.390	0.3934	0.0809	22	0.04	0%	0
001.99	Loss on Drying, Miscellaneous (%)	0560	8.450	0.1000	8.390	0.3934	0.0809	22	0.15	0%	0
001.99	Loss on Drying, Miscellaneous (%)	2242	8.485	0.1900	8.390	0.3934	0.0809	22	0.24	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0910	8.500	0.0000	8.390	0.3934	0.0809	22	0.28	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0037	8.535	0.2300	8.390	0.3934	0.0809	22	0.37	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0720	8.615	0.0100	8.390	0.3934	0.0809	22	0.57	1%	0
001.99	Loss on Drying, Miscellaneous (%)	0612	8.690	0.0600	8.390	0.3934	0.0809	22	0.76	2%	0
001.99	Loss on Drying, Miscellaneous (%)	0019	8.765	0.0900	8.390	0.3934	0.0809	22	0.95	2%	0
001.99	Loss on Drying, Miscellaneous (%)	2268	8.835	0.1100	8.390	0.3934	0.0809	22	1.13	3%	0
001.99	Loss on Drying, Miscellaneous (%)	0357	9.001	0.0639	8.390	0.3934	0.0809	22	1.55	4%	0
001.99	Loss on Drying, Miscellaneous (%)	0536	9.290	0.0200	8.390	0.3934	0.0809	22	2.29	5%	0
001.99	Loss on Drying, Miscellaneous (%)	2081	9.185	0.8700	8.390	0.3934	0.0809	22	2.02	5%	1
002.00	Protein, Crude, Crude (%)	0169	13.56	0.2700				1			0
002.01	Protein, Crude, Auto Kjeh-Foss (%)	0685	11.57	0.0600	13.27	0.2542	0.0551	14	-6.69	6%	0
002.01	Protein, Crude, Auto Kjeh-Foss (%)	2198	13.08	0.0100	13.27	0.2542	0.0551	14	-0.77	1%	0
002.01	Protein, Crude, Auto Kjeh-Foss (%)	0870	13.09	0.0400	13.27	0.2542	0.0551	14	-0.72	1%	0
002.01	Protein, Crude, Auto Kjeh-Foss (%)	0910	13.10	0.2000	13.27	0.2542	0.0551	14	-0.68	1%	0
002.01	Protein, Crude, Auto Kjeh-Foss (%)	0043	13.15	0.1940	13.27	0.2542	0.0551	14	-0.47	0%	0
002.01	Protein, Crude, Auto Kjeh-Foss (%)	0164	13.19	0.1200	13.27	0.2542	0.0551	14	-0.32	0%	0
002.01	Protein, Crude, Auto Kjeh-Foss (%)	0860	13.21	0.0000	13.27	0.2542	0.0551	14	-0.23	0%	0
002.01	Protein, Crude, Auto Kjeh-Foss (%)	0653	13.25	0.0400	13.27	0.2542	0.0551	14	-0.09	0%	0
002.01	Protein, Crude, Auto Kjeh-Foss (%)	2188	13.25	0.0000	13.27	0.2542	0.0551	14	-0.09	0%	0
002.01	Protein, Crude, Auto Kjeh-Foss (%)	0968	13.33	0.0570	13.27	0.2542	0.0551	14	0.22	0%	0
002.01	Protein, Crude, Auto Kjeh-Foss (%)	2196	13.46	0.0000	13.27	0.2542	0.0551	14	0.74	1%	0
002.01	Protein, Crude, Auto Kjeh-Foss (%)	0652	13.50	0.0000	13.27	0.2542	0.0551	14	0.90	1%	0
002.01	Protein, Crude, Auto Kjeh-Foss (%)	2193	13.77	0.0400	13.27	0.2542	0.0551	14	1.96	2%	0
002.01	Protein, Crude, Auto Kjeh-Foss (%)	2259	14.39	0.0100	13.27	0.2542	0.0551	14	4.41	4%	0
002.01	Protein, Crude, Auto Kjeh-Foss (%)	0889	13.90	1.690	13.27	0.2542	0.0551	14	2.45	2%	1
002.01	Protein, Crude, Auto Kjeh-Foss (%)	0610	135.3	0.5000	13.27	0.2542	0.0551	14	479.80	460%	2
002.02	Protein, Crude, Semiauto Autoanalyzer (%)	0036	13.02	0.0169				2			0
002.02	Protein, Crude, Semiauto Autoanalyzer (%)	0066	13.41	0.0600				2			0
002.03	Protein, Crude, Hach Method (%)	2128	12.71	0.0700				1			0
002.04	Protein, Crude, Copper Catalyst (%)	0874	12.93	0.1600				3			0
002.04	Protein, Crude, Copper Catalyst (%)	0187	13.48	0.2500				3			0
002.04	Protein, Crude, Copper Catalyst (%)	0504	13.55	0.0100				3			0
002.05	Protein, Crude, Copper, Boric Acid (%)	0955	12.80	0.2000	13.29	0.2259	0.0818	32	-2.18	2%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	2181	12.93	0.0500	13.29	0.2259	0.0818	32	-1.62	1%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	0536	12.94	0.0600	13.29	0.2259	0.0818	32	-1.56	1%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	2109	13.04	0.0400	13.29	0.2259	0.0818	32	-1.11	1%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	2246	13.06	0.1100	13.29	0.2259	0.0818	32	-1.05	1%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	0675	13.14	0.0400	13.29	0.2259	0.0818	32	-0.67	1%	0

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002.05	Protein, Crude, Copper, Boric Acid (%)	0897	13.14	0.0200	13.29	0.2259	0.0818	32	-0.67	1%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	2097	13.15	0.0869	13.29	0.2259	0.0818	32	-0.64	1%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	0651	13.16	0.0400	13.29	0.2259	0.0818	32	-0.60	1%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	2258	13.17	0.0200	13.29	0.2259	0.0818	32	-0.54	0%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	2022	13.18	0.1100	13.29	0.2259	0.0818	32	-0.52	0%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	2190	13.20	0.2000	13.29	0.2259	0.0818	32	-0.41	0%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	2012	13.21	0.1200	13.29	0.2259	0.0818	32	-0.36	0%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	2192	13.25	0.0000	13.29	0.2259	0.0818	32	-0.18	0%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	2009	13.28	0.0136	13.29	0.2259	0.0818	32	-0.05	0%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	0868	13.29	0.0500	13.29	0.2259	0.0818	32	-0.03	0%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	0885	13.29	0.0148	13.29	0.2259	0.0818	32	-0.01	0%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	0941	13.30	0.2000	13.29	0.2259	0.0818	32	0.04	0%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	2073	13.31	0.0300	13.29	0.2259	0.0818	32	0.06	0%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	0881	13.35	0.0330	13.29	0.2259	0.0818	32	0.24	0%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	0948	13.36	0.0600	13.29	0.2259	0.0818	32	0.30	0%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	0354	13.37	0.0100	13.29	0.2259	0.0818	32	0.32	0%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	0619	13.40	0.2000	13.29	0.2259	0.0818	32	0.48	0%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	0878	13.40	0.0400	13.29	0.2259	0.0818	32	0.48	0%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	2146	13.46	0.2000	13.29	0.2259	0.0818	32	0.75	1%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	0674	13.48	0.0000	13.29	0.2259	0.0818	32	0.83	1%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	2006	13.51	0.1200	13.29	0.2259	0.0818	32	0.97	1%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	0689	13.55	0.1000	13.29	0.2259	0.0818	32	1.14	1%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	0849	13.57	0.0180	13.29	0.2259	0.0818	32	1.23	1%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	2144	13.68	0.0400	13.29	0.2259	0.0818	32	1.72	1%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	2199	13.85	0.3000	13.29	0.2259	0.0818	32	2.47	2%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	0852	14.05	0.0900	13.29	0.2259	0.0818	32	3.34	3%	0
002.05	Protein, Crude, Copper, Boric Acid (%)	0939	13.33	0.4400	13.29	0.2259	0.0818	32	0.17	0%	1
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2155	12.04	1.331	13.50	0.2930	0.1887	125	-5.01	5%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0047	12.50	0.8400	13.50	0.2930	0.1887	125	-3.43	4%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0529	12.71	0.3500	13.50	0.2930	0.1887	125	-2.73	3%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0644	12.74	0.1220	13.50	0.2930	0.1887	125	-2.60	3%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0682	12.84	0.0000	13.50	0.2930	0.1887	125	-2.27	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2053	12.85	0.1000	13.50	0.2930	0.1887	125	-2.24	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0720	12.99	0.0200	13.50	0.2930	0.1887	125	-1.76	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0598	13.00	0.1800	13.50	0.2930	0.1887	125	-1.72	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0265	13.05	0.3000	13.50	0.2930	0.1887	125	-1.55	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0100	13.06	0.1200	13.50	0.2930	0.1887	125	-1.52	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0676	13.06	0.0000	13.50	0.2930	0.1887	125	-1.52	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0062	13.07	0.0050	13.50	0.2930	0.1887	125	-1.49	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0033	13.10	0.2000	13.50	0.2930	0.1887	125	-1.38	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0955	13.10	0.0000	13.50	0.2930	0.1887	125	-1.38	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2129	13.12	0.2580	13.50	0.2930	0.1887	125	-1.33	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	
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0019	13.16	0.3800	13.50	0.2930	0.1887	125	-1.18	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0038	13.16	0.2990	13.50	0.2930	0.1887	125	-1.16	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0505	13.17	0.0400	13.50	0.2930	0.1887	125	-1.14	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0139	13.20	0.0500	13.50	0.2930	0.1887	125	-1.06	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0650	13.20	0.4000	13.50	0.2930	0.1887	125	-1.04	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0294	13.25	0.1000	13.50	0.2930	0.1887	125	-0.87	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0510	13.25	0.1000	13.50	0.2930	0.1887	125	-0.87	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0687	13.25	0.5000	13.50	0.2930	0.1887	125	-0.87	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0171	13.26	0.1000	13.50	0.2930	0.1887	125	-0.84	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0011	13.27	0.5700	13.50	0.2930	0.1887	125	-0.82	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0953	13.29	0.3700	13.50	0.2930	0.1887	125	-0.75	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0144	13.29	0.0000	13.50	0.2930	0.1887	125	-0.73	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0539	13.29	0.3600	13.50	0.2930	0.1887	125	-0.73	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0278	13.30	0.0000	13.50	0.2930	0.1887	125	-0.70	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0032	13.30	0.1290	13.50	0.2930	0.1887	125	-0.68	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0089	13.31	0.0000	13.50	0.2930	0.1887	125	-0.67	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2012	13.32	0.1800	13.50	0.2930	0.1887	125	-0.63	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0581	13.33	0.4200	13.50	0.2930	0.1887	125	-0.60	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0884	13.35	0.3000	13.50	0.2930	0.1887	125	-0.53	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0610	13.35	0.1000	13.50	0.2930	0.1887	125	-0.53	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0202	13.37	0.0800	13.50	0.2930	0.1887	125	-0.46	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0357	13.38	0.1250	13.50	0.2930	0.1887	125	-0.44	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0590	13.38	0.2500	13.50	0.2930	0.1887	125	-0.44	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2081	13.38	0.1400	13.50	0.2930	0.1887	125	-0.43	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0119	13.38	0.2130	13.50	0.2930	0.1887	125	-0.42	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2089	13.38	0.7650	13.50	0.2930	0.1887	125	-0.42	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0035	13.39	0.0400	13.50	0.2930	0.1887	125	-0.39	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0366	13.40	0.2000	13.50	0.2930	0.1887	125	-0.36	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2018	13.41	0.1700	13.50	0.2930	0.1887	125	-0.34	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2168	13.41	0.0200	13.50	0.2930	0.1887	125	-0.32	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0541	13.42	0.0700	13.50	0.2930	0.1887	125	-0.31	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0504	13.43	0.2100	13.50	0.2930	0.1887	125	-0.27	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0870	13.43	0.0700	13.50	0.2930	0.1887	125	-0.26	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2059	13.43	0.1250	13.50	0.2930	0.1887	125	-0.26	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0968	13.44	0.0110	13.50	0.2930	0.1887	125	-0.21	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2150	13.45	0.0700	13.50	0.2930	0.1887	125	-0.20	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0693	13.45	0.2050	13.50	0.2930	0.1887	125	-0.18	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0675	13.48	0.1100	13.50	0.2930	0.1887	125	-0.10	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0045	13.50	0.2000	13.50	0.2930	0.1887	125	-0.02	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0098	13.50	0.0000	13.50	0.2930	0.1887	125	-0.02	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0175	13.50	0.2000	13.50	0.2930	0.1887	125	-0.02	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0956	13.50	0.2000	13.50	0.2930	0.1887	125	-0.02	0%	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	
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0142	13.51	0.2400	13.50	0.2930	0.1887	125	0.02	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0868	13.52	0.0100	13.50	0.2930	0.1887	125	0.03	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0034	13.52	0.2470	13.50	0.2930	0.1887	125	0.05	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0018	13.52	0.4200	13.50	0.2930	0.1887	125	0.05	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0036	13.52	0.0400	13.50	0.2930	0.1887	125	0.05	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0695	13.52	0.1640	13.50	0.2930	0.1887	125	0.05	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0948	13.52	0.0200	13.50	0.2930	0.1887	125	0.05	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0592	13.53	0.1300	13.50	0.2930	0.1887	125	0.07	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0263	13.53	0.0123	13.50	0.2930	0.1887	125	0.07	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0164	13.53	0.0600	13.50	0.2930	0.1887	125	0.09	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0848	13.53	0.0600	13.50	0.2930	0.1887	125	0.09	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0571	13.54	0.1900	13.50	0.2930	0.1887	125	0.10	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2184	13.54	0.1700	13.50	0.2930	0.1887	125	0.10	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0123	13.54	0.0400	13.50	0.2930	0.1887	125	0.12	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0574	13.55	0.1000	13.50	0.2930	0.1887	125	0.15	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0910	13.55	0.1000	13.50	0.2930	0.1887	125	0.15	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0857	13.56	0.1100	13.50	0.2930	0.1887	125	0.17	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2258	13.56	0.0100	13.50	0.2930	0.1887	125	0.17	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0037	13.57	0.1100	13.50	0.2930	0.1887	125	0.21	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0918	13.57	0.0600	13.50	0.2930	0.1887	125	0.22	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0345	13.58	0.2500	13.50	0.2930	0.1887	125	0.24	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0003	13.59	0.2400	13.50	0.2930	0.1887	125	0.29	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0049	13.59	0.2600	13.50	0.2930	0.1887	125	0.29	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0309	13.59	0.2235	13.50	0.2930	0.1887	125	0.30	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0354	13.60	0.0500	13.50	0.2930	0.1887	125	0.31	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0148	13.60	0.2000	13.50	0.2930	0.1887	125	0.32	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0939	13.61	0.1400	13.50	0.2930	0.1887	125	0.36	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0226	13.62	0.0200	13.50	0.2930	0.1887	125	0.39	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0872	13.63	0.2700	13.50	0.2930	0.1887	125	0.41	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0859	13.63	0.0340	13.50	0.2930	0.1887	125	0.42	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0006	13.63	0.3000	13.50	0.2930	0.1887	125	0.43	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0026	13.63	0.0500	13.50	0.2930	0.1887	125	0.43	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2076	13.63	0.0970	13.50	0.2930	0.1887	125	0.44	0%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0353	13.65	0.0100	13.50	0.2930	0.1887	125	0.48	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0297	13.65	0.2200	13.50	0.2930	0.1887	125	0.50	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0589	13.65	0.0800	13.50	0.2930	0.1887	125	0.50	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0042	13.65	0.7000	13.50	0.2930	0.1887	125	0.50	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0074	13.68	0.1500	13.50	0.2930	0.1887	125	0.58	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0358	13.68	0.3300	13.50	0.2930	0.1887	125	0.58	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0108	13.70	0.0800	13.50	0.2930	0.1887	125	0.67	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0619	13.70	0.2000	13.50	0.2930	0.1887	125	0.67	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2242	13.72	0.2500	13.50	0.2930	0.1887	125	0.72	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	
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0298	13.74	0.0200	13.50	0.2930	0.1887	125	0.80	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0876	13.75	0.1000	13.50	0.2930	0.1887	125	0.84	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2213	13.77	0.0500	13.50	0.2930	0.1887	125	0.89	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0190	13.78	0.1400	13.50	0.2930	0.1887	125	0.94	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2268	13.78	0.3800	13.50	0.2930	0.1887	125	0.94	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0407	13.79	0.2460	13.50	0.2930	0.1887	125	0.98	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0004	13.80	0.2800	13.50	0.2930	0.1887	125	1.01	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0017	13.80	0.6000	13.50	0.2930	0.1887	125	1.01	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0425	13.81	0.0700	13.50	0.2930	0.1887	125	1.02	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0726	13.81	0.0200	13.50	0.2930	0.1887	125	1.04	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0520	13.85	0.5000	13.50	0.2930	0.1887	125	1.18	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0001	13.87	0.1100	13.50	0.2930	0.1887	125	1.23	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0043	13.89	0.0440	13.50	0.2930	0.1887	125	1.31	1%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0553	13.92	0.0500	13.50	0.2930	0.1887	125	1.40	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0941	13.94	0.2200	13.50	0.2930	0.1887	125	1.48	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0083	14.00	0.0200	13.50	0.2930	0.1887	125	1.69	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2033	14.01	0.1800	13.50	0.2930	0.1887	125	1.72	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0186	14.05	0.3000	13.50	0.2930	0.1887	125	1.86	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0229	14.09	0.0200	13.50	0.2930	0.1887	125	2.00	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2109	14.18	0.1000	13.50	0.2930	0.1887	125	2.30	2%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0843	14.20	0.0900	13.50	0.2930	0.1887	125	2.36	3%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0511	14.21	0.8600	13.50	0.2930	0.1887	125	2.41	3%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0853	14.92	0.0300	13.50	0.2930	0.1887	125	4.81	5%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0618	15.16	0.3460	13.50	0.2930	0.1887	125	5.65	6%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0612	15.93	0.4800	13.50	0.2930	0.1887	125	8.28	9%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	0609	17.48	0.1900	13.50	0.2930	0.1887	125	13.55	15%	0
002.06	Protein, Crude, Combustion Nitrogen Analyzer (%)	2144	705.1	1,382	13.50	0.2930	0.1887	125	2360.48	2561%	2
002.08	Protein, Crude, Cu/Ti (%)	0098	13.22	0.0500				1			0
002.11	Protein, Crude, NIR (%)	0852	13.91	0.1400	16.52	1.827	0.2098	6	-1.43	8%	0
002.11	Protein, Crude, NIR (%)	2128	15.29	0.1690	16.52	1.827	0.2098	6	-0.68	4%	0
002.11	Protein, Crude, NIR (%)	0720	16.89	0.6400	16.52	1.827	0.2098	6	0.20	1%	0
002.11	Protein, Crude, NIR (%)	0011	17.15	0.1000	16.52	1.827	0.2098	6	0.34	2%	0
002.11	Protein, Crude, NIR (%)	0297	17.89	0.1700	16.52	1.827	0.2098	6	0.75	4%	0
002.11	Protein, Crude, NIR (%)	0405	18.02	0.0400	16.52	1.827	0.2098	6	0.82	5%	0
002.11	Protein, Crude, NIR (%)	0553	11.45	3.610	16.52	1.827	0.2098	6	-2.78	15%	1
002.99	Protein, Crude, Miscellaneous (%)	2253	15.54	0.0300				1			0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	0885	1.178	0.0219	2.007	0.4977	0.0886	14	-1.67	21%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	0026	1.510	0.0400	2.007	0.4977	0.0886	14	-1.00	12%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2198	1.555	0.1100	2.007	0.4977	0.0886	14	-0.91	11%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2258	1.725	0.0900	2.007	0.4977	0.0886	14	-0.57	7%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2192	1.820	0.0200	2.007	0.4977	0.0886	14	-0.38	5%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2109	1.840	0.1600	2.007	0.4977	0.0886	14	-0.34	4%	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	
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2053	1.935	0.0100	2.007	0.4977	0.0886	14	-0.14	2%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	0653	1.985	0.0500	2.007	0.4977	0.0886	14	-0.04	1%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	0345	2.035	0.0300	2.007	0.4977	0.0886	14	0.06	1%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	0309	2.201	0.0287	2.007	0.4977	0.0886	14	0.39	5%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	0175	2.340	0.2800	2.007	0.4977	0.0886	14	0.67	8%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	0032	2.510	0.1200	2.007	0.4977	0.0886	14	1.01	13%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2144	2.630	0.0800	2.007	0.4977	0.0886	14	1.25	16%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	0017	2.900	0.2000	2.007	0.4977	0.0886	14	1.79	22%	0
003.00	Fat, Crude, Diethyl Ether Ext., Direct (%)	2190	1.540	0.7800	2.007	0.4977	0.0886	14	-0.94	12%	1
003.01	Fat, Crude, Diethyl Ether Ext (13th ed.), Indirect (%)	2278	1.150	0.3000				3			0
003.01	Fat, Crude, Diethyl Ether Ext (13th ed.), Indirect (%)	0504	1.760	0.1800				3			0
003.01	Fat, Crude, Diethyl Ether Ext (13th ed.), Indirect (%)	2248	2.328	0.0080				3			0
003.06	Fat, Crude, Pet Ether (%)	0425	1.175	0.0700	1.944	0.4897	0.0776	18	-1.57	20%	0
003.06	Fat, Crude, Pet Ether (%)	0939	1.195	0.1700	1.944	0.4897	0.0776	18	-1.53	19%	0
003.06	Fat, Crude, Pet Ether (%)	0644	1.422	0.0050	1.944	0.4897	0.0776	18	-1.07	13%	0
003.06	Fat, Crude, Pet Ether (%)	2033	1.645	0.0500	1.944	0.4897	0.0776	18	-0.61	8%	0
003.06	Fat, Crude, Pet Ether (%)	0294	1.705	0.0100	1.944	0.4897	0.0776	18	-0.49	6%	0
003.06	Fat, Crude, Pet Ether (%)	0229	1.724	0.0030	1.944	0.4897	0.0776	18	-0.45	6%	0
003.06	Fat, Crude, Pet Ether (%)	0297	1.750	0.1200	1.944	0.4897	0.0776	18	-0.40	5%	0
003.06	Fat, Crude, Pet Ether (%)	2097	1.764	0.0584	1.944	0.4897	0.0776	18	-0.37	5%	0
003.06	Fat, Crude, Pet Ether (%)	0918	1.955	0.0300	1.944	0.4897	0.0776	18	0.02	0%	0
003.06	Fat, Crude, Pet Ether (%)	0169	2.045	0.0500	1.944	0.4897	0.0776	18	0.21	3%	0
003.06	Fat, Crude, Pet Ether (%)	0884	2.050	0.1000	1.944	0.4897	0.0776	18	0.22	3%	0
003.06	Fat, Crude, Pet Ether (%)	2181	2.090	0.1000	1.944	0.4897	0.0776	18	0.30	4%	0
003.06	Fat, Crude, Pet Ether (%)	2268	2.120	0.1000	1.944	0.4897	0.0776	18	0.36	5%	0
003.06	Fat, Crude, Pet Ether (%)	0910	2.170	0.1000	1.944	0.4897	0.0776	18	0.46	6%	0
003.06	Fat, Crude, Pet Ether (%)	0689	2.400	0.0000	1.944	0.4897	0.0776	18	0.93	12%	0
003.06	Fat, Crude, Pet Ether (%)	0682	2.500	0.0000	1.944	0.4897	0.0776	18	1.14	14%	0
003.06	Fat, Crude, Pet Ether (%)	0687	2.575	0.2500	1.944	0.4897	0.0776	18	1.29	16%	0
003.06	Fat, Crude, Pet Ether (%)	0164	2.660	0.1800	1.944	0.4897	0.0776	18	1.46	18%	0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0027	1.272	0.3010	1.901	0.4829	0.1093	12	-1.30	17%	0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0674	1.500	0.0000	1.901	0.4829	0.1093	12	-0.83	11%	0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0098	1.535	0.1300	1.901	0.4829	0.1093	12	-0.76	10%	0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	2012	1.620	0.2000	1.901	0.4829	0.1093	12	-0.58	7%	0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0004	1.625	0.0500	1.901	0.4829	0.1093	12	-0.57	7%	0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0675	1.665	0.0300	1.901	0.4829	0.1093	12	-0.49	6%	0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0685	1.920	0.0800	1.901	0.4829	0.1093	12	0.04	0%	0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0354	2.020	0.0200	1.901	0.4829	0.1093	12	0.25	3%	0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0510	2.300	0.0000	1.901	0.4829	0.1093	12	0.83	10%	0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0948	2.405	0.0300	1.901	0.4829	0.1093	12	1.04	13%	0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0353	2.475	0.3300	1.901	0.4829	0.1093	12	1.19	15%	0
003.09	Fat, Crude, Randall, Diethyl Ether Ext (%)	0226	2.480	0.1400	1.901	0.4829	0.1093	12	1.20	15%	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	
003.10	Fat, Crude, Randall, Pet Ether (%)	0897	0.9500	0.0200	1.558	0.3302	0.1145	30	-1.84	20%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0263	1.047	0.0183	1.558	0.3302	0.1145	30	-1.55	16%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0098	1.050	0.1600	1.558	0.3302	0.1145	30	-1.54	16%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0553	1.150	0.1000	1.558	0.3302	0.1145	30	-1.24	13%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0619	1.210	0.0000	1.558	0.3302	0.1145	30	-1.06	11%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2188	1.260	0.0200	1.558	0.3302	0.1145	30	-0.90	10%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2018	1.295	0.1100	1.558	0.3302	0.1145	30	-0.80	8%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2022	1.415	0.0700	1.558	0.3302	0.1145	30	-0.43	5%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0693	1.443	0.3750	1.558	0.3302	0.1145	30	-0.35	4%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0045	1.445	0.0900	1.558	0.3302	0.1145	30	-0.34	4%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0689	1.450	0.1000	1.558	0.3302	0.1145	30	-0.33	3%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0720	1.480	0.1000	1.558	0.3302	0.1145	30	-0.24	3%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2073	1.500	0.0200	1.558	0.3302	0.1145	30	-0.18	2%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0541	1.515	0.1500	1.558	0.3302	0.1145	30	-0.13	1%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0695	1.529	0.0980	1.558	0.3302	0.1145	30	-0.09	1%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0100	1.575	0.1300	1.558	0.3302	0.1145	30	0.05	1%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2184	1.580	0.1400	1.558	0.3302	0.1145	30	0.07	1%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2009	1.582	0.0039	1.558	0.3302	0.1145	30	0.07	1%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0366	1.600	0.2000	1.558	0.3302	0.1145	30	0.13	1%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0042	1.705	0.5900	1.558	0.3302	0.1145	30	0.44	5%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0870	1.770	0.1000	1.558	0.3302	0.1145	30	0.64	7%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2193	1.770	0.1600	1.558	0.3302	0.1145	30	0.64	7%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2196	1.790	0.0000	1.558	0.3302	0.1145	30	0.70	7%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0618	1.802	0.0010	1.558	0.3302	0.1145	30	0.74	8%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0148	1.805	0.0700	1.558	0.3302	0.1145	30	0.75	8%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0676	1.830	0.0400	1.558	0.3302	0.1145	30	0.82	9%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0881	1.962	0.1220	1.558	0.3302	0.1145	30	1.22	13%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	2262	1.995	0.0500	1.558	0.3302	0.1145	30	1.32	14%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0062	2.078	0.1870	1.558	0.3302	0.1145	30	1.57	17%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0609	3.415	0.2100	1.558	0.3302	0.1145	30	5.62	60%	0
003.10	Fat, Crude, Randall, Pet Ether (%)	0889	1.130	0.7600	1.558	0.3302	0.1145	30	-1.30	14%	1
003.11	Fat, Crude, NIR (%)	0405	2.230	0.0600	2.851	0.7796	0.0265	7	-0.80	11%	0
003.11	Fat, Crude, NIR (%)	2128	2.409	0.0258	2.851	0.7796	0.0265	7	-0.57	8%	0
003.11	Fat, Crude, NIR (%)	0720	2.425	0.0100	2.851	0.7796	0.0265	7	-0.55	7%	0
003.11	Fat, Crude, NIR (%)	0553	2.475	0.0300	2.851	0.7796	0.0265	7	-0.48	7%	0
003.11	Fat, Crude, NIR (%)	0011	2.800	0.0000	2.851	0.7796	0.0265	7	-0.07	1%	0
003.11	Fat, Crude, NIR (%)	0297	3.600	0.0200	2.851	0.7796	0.0265	7	0.96	13%	0
003.11	Fat, Crude, NIR (%)	0852	4.040	0.0400	2.851	0.7796	0.0265	7	1.52	21%	0
003.12	Fat, Crude, Hexane Ext (%)	0171	1.450	0.0400				3			0
003.12	Fat, Crude, Hexane Ext (%)	2058	2.270	0.2400				3			0
003.12	Fat, Crude, Hexane Ext (%)	2199	15.55	0.5000				3			0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	0098	1.085	0.1900	1.664	0.4205	0.0875	8	-1.38	17%	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	
003.13	Fat, Crude, Randall, Hexane Ext. (%)	0033	1.330	0.1000	1.664	0.4205	0.0875	8	-0.79	10%	0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	2089	1.335	0.1300	1.664	0.4205	0.0875	8	-0.78	10%	0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	2246	1.765	0.0500	1.664	0.4205	0.0875	8	0.24	3%	0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	0187	1.840	0.0400	1.664	0.4205	0.0875	8	0.42	5%	0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	0123	1.875	0.0100	1.664	0.4205	0.0875	8	0.50	6%	0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	0870	1.900	0.0200	1.664	0.4205	0.0875	8	0.56	7%	0
003.13	Fat, Crude, Randall, Hexane Ext. (%)	2006	2.180	0.1600	1.664	0.4205	0.0875	8	1.23	16%	0
003.14	Fat, Crude, Ankom (%)	2129	0.6170	0.0640	1.497	0.2623	0.1197	51	-3.35	29%	0
003.14	Fat, Crude, Ankom (%)	0202	0.9050	0.3700	1.497	0.2623	0.1197	51	-2.26	20%	0
003.14	Fat, Crude, Ankom (%)	0186	1.115	0.1500	1.497	0.2623	0.1197	51	-1.45	13%	0
003.14	Fat, Crude, Ankom (%)	0358	1.185	0.0500	1.497	0.2623	0.1197	51	-1.19	10%	0
003.14	Fat, Crude, Ankom (%)	2076	1.190	0.1793	1.497	0.2623	0.1197	51	-1.17	10%	0
003.14	Fat, Crude, Ankom (%)	0529	1.210	0.0400	1.497	0.2623	0.1197	51	-1.09	10%	0
003.14	Fat, Crude, Ankom (%)	0300	1.230	0.1400	1.497	0.2623	0.1197	51	-1.02	9%	0
003.14	Fat, Crude, Ankom (%)	0876	1.250	0.1000	1.497	0.2623	0.1197	51	-0.94	8%	0
003.14	Fat, Crude, Ankom (%)	0581	1.255	0.2300	1.497	0.2623	0.1197	51	-0.92	8%	0
003.14	Fat, Crude, Ankom (%)	0019	1.285	0.2700	1.497	0.2623	0.1197	51	-0.81	7%	0
003.14	Fat, Crude, Ankom (%)	0074	1.310	0.0200	1.497	0.2623	0.1197	51	-0.71	6%	0
003.14	Fat, Crude, Ankom (%)	0912	1.315	0.0900	1.497	0.2623	0.1197	51	-0.69	6%	0
003.14	Fat, Crude, Ankom (%)	0298	1.330	0.0200	1.497	0.2623	0.1197	51	-0.64	6%	0
003.14	Fat, Crude, Ankom (%)	0574	1.330	0.2600	1.497	0.2623	0.1197	51	-0.64	6%	0
003.14	Fat, Crude, Ankom (%)	0083	1.335	0.0700	1.497	0.2623	0.1197	51	-0.62	5%	0
003.14	Fat, Crude, Ankom (%)	0144	1.360	0.1000	1.497	0.2623	0.1197	51	-0.52	5%	0
003.14	Fat, Crude, Ankom (%)	0108	1.370	0.0400	1.497	0.2623	0.1197	51	-0.48	4%	0
003.14	Fat, Crude, Ankom (%)	0003	1.380	0.0000	1.497	0.2623	0.1197	51	-0.44	4%	0
003.14	Fat, Crude, Ankom (%)	0878	1.390	0.0200	1.497	0.2623	0.1197	51	-0.41	4%	0
003.14	Fat, Crude, Ankom (%)	0853	1.400	0.0000	1.497	0.2623	0.1197	51	-0.37	3%	0
003.14	Fat, Crude, Ankom (%)	0089	1.430	0.0200	1.497	0.2623	0.1197	51	-0.25	2%	0
003.14	Fat, Crude, Ankom (%)	0598	1.440	0.0200	1.497	0.2623	0.1197	51	-0.22	2%	0
003.14	Fat, Crude, Ankom (%)	0956	1.450	0.1000	1.497	0.2623	0.1197	51	-0.18	2%	0
003.14	Fat, Crude, Ankom (%)	0004	1.460	0.5600	1.497	0.2623	0.1197	51	-0.14	1%	0
003.14	Fat, Crude, Ankom (%)	0407	1.465	0.3348	1.497	0.2623	0.1197	51	-0.12	1%	0
003.14	Fat, Crude, Ankom (%)	0948	1.470	0.0400	1.497	0.2623	0.1197	51	-0.10	1%	0
003.14	Fat, Crude, Ankom (%)	0037	1.470	0.3000	1.497	0.2623	0.1197	51	-0.10	1%	0
003.14	Fat, Crude, Ankom (%)	0265	1.480	0.0200	1.497	0.2623	0.1197	51	-0.06	1%	0
003.14	Fat, Crude, Ankom (%)	0066	1.500	0.0800	1.497	0.2623	0.1197	51	0.01	0%	0
003.14	Fat, Crude, Ankom (%)	0505	1.505	0.2900	1.497	0.2623	0.1197	51	0.03	0%	0
003.14	Fat, Crude, Ankom (%)	0868	1.510	0.0200	1.497	0.2623	0.1197	51	0.05	0%	0
003.14	Fat, Crude, Ankom (%)	0229	1.535	0.0010	1.497	0.2623	0.1197	51	0.14	1%	0
003.14	Fat, Crude, Ankom (%)	0171	1.550	0.0600	1.497	0.2623	0.1197	51	0.20	2%	0
003.14	Fat, Crude, Ankom (%)	0955	1.555	0.0700	1.497	0.2623	0.1197	51	0.22	2%	0
003.14	Fat, Crude, Ankom (%)	0511	1.585	0.1100	1.497	0.2623	0.1197	51	0.34	3%	0

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003.14	Fat, Crude, Ankom (%)	0049	1.600	0.4200	1.497	0.2623	0.1197	51	0.39	3%	0
003.14	Fat, Crude, Ankom (%)	0357	1.645	0.1500	1.497	0.2623	0.1197	51	0.57	5%	0
003.14	Fat, Crude, Ankom (%)	0034	1.650	0.4400	1.497	0.2623	0.1197	51	0.58	5%	0
003.14	Fat, Crude, Ankom (%)	0860	1.650	0.0000	1.497	0.2623	0.1197	51	0.58	5%	0
003.14	Fat, Crude, Ankom (%)	0001	1.677	0.0350	1.497	0.2623	0.1197	51	0.69	6%	0
003.14	Fat, Crude, Ankom (%)	0278	1.700	0.2000	1.497	0.2623	0.1197	51	0.78	7%	0
003.14	Fat, Crude, Ankom (%)	0682	1.740	0.0000	1.497	0.2623	0.1197	51	0.93	8%	0
003.14	Fat, Crude, Ankom (%)	0968	1.820	0.0220	1.497	0.2623	0.1197	51	1.23	11%	0
003.14	Fat, Crude, Ankom (%)	0148	1.820	0.0600	1.497	0.2623	0.1197	51	1.23	11%	0
003.14	Fat, Crude, Ankom (%)	0175	1.855	0.0100	1.497	0.2623	0.1197	51	1.37	12%	0
003.14	Fat, Crude, Ankom (%)	0619	1.870	0.1000	1.497	0.2623	0.1197	51	1.42	12%	0
003.14	Fat, Crude, Ankom (%)	0009	1.970	0.0200	1.497	0.2623	0.1197	51	1.80	16%	0
003.14	Fat, Crude, Ankom (%)	0726	2.005	0.0100	1.497	0.2623	0.1197	51	1.94	17%	0
003.14	Fat, Crude, Ankom (%)	0190	2.225	0.0100	1.497	0.2623	0.1197	51	2.78	24%	0
003.14	Fat, Crude, Ankom (%)	2144	2.615	0.0700	1.497	0.2623	0.1197	51	4.26	37%	0
003.14	Fat, Crude, Ankom (%)	0520	2.770	0.3200	1.497	0.2623	0.1197	51	4.85	43%	0
003.14	Fat, Crude, Ankom (%)	0843	1.075	0.6700	1.497	0.2623	0.1197	51	-1.61	14%	1
003.99	Fat, Crude, Miscellaneous (%)	0536	1.790	0.1600				1			0
004.00	Fiber, Crude, Asbestos Free (%)	0884	13.30	0.2000	15.21	0.6595	0.4125	14	-2.90	6%	0
004.00	Fiber, Crude, Asbestos Free (%)	0175	14.53	0.5000	15.21	0.6595	0.4125	14	-1.04	2%	0
004.00	Fiber, Crude, Asbestos Free (%)	0354	14.61	0.0700	15.21	0.6595	0.4125	14	-0.92	2%	0
004.00	Fiber, Crude, Asbestos Free (%)	0345	14.69	0.4300	15.21	0.6595	0.4125	14	-0.80	2%	0
004.00	Fiber, Crude, Asbestos Free (%)	0169	14.90	1.000	15.21	0.6595	0.4125	14	-0.48	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	0226	15.02	0.4500	15.21	0.6595	0.4125	14	-0.30	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	2076	15.26	0.6102	15.21	0.6595	0.4125	14	0.07	0%	0
004.00	Fiber, Crude, Asbestos Free (%)	0208	15.40	0.2000	15.21	0.6595	0.4125	14	0.28	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	0309	15.44	0.0753	15.21	0.6595	0.4125	14	0.34	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	0164	15.45	0.3000	15.21	0.6595	0.4125	14	0.36	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	2073	15.54	0.2000	15.21	0.6595	0.4125	14	0.49	1%	0
004.00	Fiber, Crude, Asbestos Free (%)	0425	15.70	0.4000	15.21	0.6595	0.4125	14	0.74	2%	0
004.00	Fiber, Crude, Asbestos Free (%)	0171	16.05	1.000	15.21	0.6595	0.4125	14	1.27	3%	0
004.00	Fiber, Crude, Asbestos Free (%)	0504	16.59	0.3400	15.21	0.6595	0.4125	14	2.09	5%	0
004.01	Fiber, Crude, Sing Filt (%)	0366	12.65	0.3000				1			0
004.03	Fiber, Crude, Fritted Glass (%)	2089	12.30	0.3300	14.60	1.744	0.4780	5			0
004.03	Fiber, Crude, Fritted Glass (%)	0921	14.18	0.5900	14.60	1.744	0.4780	5			0
004.03	Fiber, Crude, Fritted Glass (%)	0353	14.19	0.1400	14.60	1.744	0.4780	5			0
004.03	Fiber, Crude, Fritted Glass (%)	2192	15.28	0.0500	14.60	1.744	0.4780	5			0
004.03	Fiber, Crude, Fritted Glass (%)	2246	17.06	1.280	14.60	1.744	0.4780	5			0
004.06	Fiber, Crude, Fibertec (%)	2199	10.85	0.1000	15.02	0.8865	0.1361	22	-4.71	14%	0
004.06	Fiber, Crude, Fibertec (%)	2022	14.16	0.1300	15.02	0.8865	0.1361	22	-0.98	3%	0
004.06	Fiber, Crude, Fibertec (%)	0968	14.16	0.0880	15.02	0.8865	0.1361	22	-0.98	3%	0
004.06	Fiber, Crude, Fibertec (%)	0098	14.26	0.0300	15.02	0.8865	0.1361	22	-0.87	3%	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	
004.06	Fiber, Crude, Fibertec (%)	2188	14.28	0.0000	15.02	0.8865	0.1361	22	-0.84	2%	0
004.06	Fiber, Crude, Fibertec (%)	0868	14.33	0.0400	15.02	0.8865	0.1361	22	-0.78	2%	0
004.06	Fiber, Crude, Fibertec (%)	0918	14.42	0.1100	15.02	0.8865	0.1361	22	-0.69	2%	0
004.06	Fiber, Crude, Fibertec (%)	0885	14.71	0.0792	15.02	0.8865	0.1361	22	-0.36	1%	0
004.06	Fiber, Crude, Fibertec (%)	2198	14.72	0.1800	15.02	0.8865	0.1361	22	-0.34	1%	0
004.06	Fiber, Crude, Fibertec (%)	0720	14.75	0.0800	15.02	0.8865	0.1361	22	-0.31	1%	0
004.06	Fiber, Crude, Fibertec (%)	0027	14.90	0.3280	15.02	0.8865	0.1361	22	-0.14	0%	0
004.06	Fiber, Crude, Fibertec (%)	0675	14.98	0.0400	15.02	0.8865	0.1361	22	-0.05	0%	0
004.06	Fiber, Crude, Fibertec (%)	0674	15.10	0.0000	15.02	0.8865	0.1361	22	0.08	0%	0
004.06	Fiber, Crude, Fibertec (%)	0689	15.20	0.2000	15.02	0.8865	0.1361	22	0.20	1%	0
004.06	Fiber, Crude, Fibertec (%)	0941	15.27	0.2900	15.02	0.8865	0.1361	22	0.27	1%	0
004.06	Fiber, Crude, Fibertec (%)	0881	15.40	0.4880	15.02	0.8865	0.1361	22	0.42	1%	0
004.06	Fiber, Crude, Fibertec (%)	2006	15.41	0.0200	15.02	0.8865	0.1361	22	0.43	1%	0
004.06	Fiber, Crude, Fibertec (%)	0897	15.61	0.0600	15.02	0.8865	0.1361	22	0.66	2%	0
004.06	Fiber, Crude, Fibertec (%)	0878	16.20	0.4200	15.02	0.8865	0.1361	22	1.33	4%	0
004.06	Fiber, Crude, Fibertec (%)	0948	16.30	0.0600	15.02	0.8865	0.1361	22	1.44	4%	0
004.06	Fiber, Crude, Fibertec (%)	0609	17.06	0.0300	15.02	0.8865	0.1361	22	2.29	7%	0
004.06	Fiber, Crude, Fibertec (%)	0676	18.41	0.2200	15.02	0.8865	0.1361	22	3.82	11%	0
004.07	Fiber, Crude, ANKOM (%)	2109	8.610	0.0000	15.20	1.442	0.3556	66	-4.57	22%	0
004.07	Fiber, Crude, ANKOM (%)	0653	12.19	0.3200	15.20	1.442	0.3556	66	-2.09	10%	0
004.07	Fiber, Crude, ANKOM (%)	0644	13.20	0.4250	15.20	1.442	0.3556	66	-1.39	7%	0
004.07	Fiber, Crude, ANKOM (%)	0968	13.20	0.0530	15.20	1.442	0.3556	66	-1.39	7%	0
004.07	Fiber, Crude, ANKOM (%)	0190	13.25	0.3000	15.20	1.442	0.3556	66	-1.35	6%	0
004.07	Fiber, Crude, ANKOM (%)	2144	13.34	0.1000	15.20	1.442	0.3556	66	-1.29	6%	0
004.07	Fiber, Crude, ANKOM (%)	2012	13.38	0.4100	15.20	1.442	0.3556	66	-1.27	6%	0
004.07	Fiber, Crude, ANKOM (%)	0619	13.45	0.3000	15.20	1.442	0.3556	66	-1.21	6%	0
004.07	Fiber, Crude, ANKOM (%)	2190	13.54	0.1200	15.20	1.442	0.3556	66	-1.15	5%	0
004.07	Fiber, Crude, ANKOM (%)	0682	13.60	0.0000	15.20	1.442	0.3556	66	-1.11	5%	0
004.07	Fiber, Crude, ANKOM (%)	0004	13.88	0.1100	15.20	1.442	0.3556	66	-0.92	4%	0
004.07	Fiber, Crude, ANKOM (%)	0870	13.88	0.2096	15.20	1.442	0.3556	66	-0.92	4%	0
004.07	Fiber, Crude, ANKOM (%)	0956	14.00	0.0000	15.20	1.442	0.3556	66	-0.83	4%	0
004.07	Fiber, Crude, ANKOM (%)	0265	14.05	0.1000	15.20	1.442	0.3556	66	-0.80	4%	0
004.07	Fiber, Crude, ANKOM (%)	0910	14.20	0.2000	15.20	1.442	0.3556	66	-0.69	3%	0
004.07	Fiber, Crude, ANKOM (%)	2188	14.20	0.0000	15.20	1.442	0.3556	66	-0.69	3%	0
004.07	Fiber, Crude, ANKOM (%)	0848	14.27	0.0000	15.20	1.442	0.3556	66	-0.65	3%	0
004.07	Fiber, Crude, ANKOM (%)	0726	14.36	0.0200	15.20	1.442	0.3556	66	-0.58	3%	0
004.07	Fiber, Crude, ANKOM (%)	0536	14.38	0.1500	15.20	1.442	0.3556	66	-0.57	3%	0
004.07	Fiber, Crude, ANKOM (%)	0026	14.45	0.1000	15.20	1.442	0.3556	66	-0.52	2%	0
004.07	Fiber, Crude, ANKOM (%)	0100	14.57	0.1100	15.20	1.442	0.3556	66	-0.44	2%	0
004.07	Fiber, Crude, ANKOM (%)	0510	14.65	0.7000	15.20	1.442	0.3556	66	-0.38	2%	0
004.07	Fiber, Crude, ANKOM (%)	0278	14.70	0.2000	15.20	1.442	0.3556	66	-0.35	2%	0
004.07	Fiber, Crude, ANKOM (%)	0294	14.70	0.2000	15.20	1.442	0.3556	66	-0.35	2%	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	
004.07	Fiber, Crude, ANKOM (%)	0098	14.76	1.600	15.20	1.442	0.3556	66	-0.31	1%	0
004.07	Fiber, Crude, ANKOM (%)	0263	14.84	0.0114	15.20	1.442	0.3556	66	-0.25	1%	0
004.07	Fiber, Crude, ANKOM (%)	0300	14.95	0.6400	15.20	1.442	0.3556	66	-0.17	1%	0
004.07	Fiber, Crude, ANKOM (%)	2053	15.00	0.2400	15.20	1.442	0.3556	66	-0.14	1%	0
004.07	Fiber, Crude, ANKOM (%)	2193	15.02	0.0500	15.20	1.442	0.3556	66	-0.13	1%	0
004.07	Fiber, Crude, ANKOM (%)	0123	15.06	0.2800	15.20	1.442	0.3556	66	-0.10	0%	0
004.07	Fiber, Crude, ANKOM (%)	0009	15.09	1.010	15.20	1.442	0.3556	66	-0.08	0%	0
004.07	Fiber, Crude, ANKOM (%)	0590	15.10	0.2000	15.20	1.442	0.3556	66	-0.07	0%	0
004.07	Fiber, Crude, ANKOM (%)	0074	15.15	1.310	15.20	1.442	0.3556	66	-0.04	0%	0
004.07	Fiber, Crude, ANKOM (%)	0505	15.15	0.1600	15.20	1.442	0.3556	66	-0.04	0%	0
004.07	Fiber, Crude, ANKOM (%)	0675	15.17	0.2800	15.20	1.442	0.3556	66	-0.02	0%	0
004.07	Fiber, Crude, ANKOM (%)	0019	15.21	0.3400	15.20	1.442	0.3556	66	0.01	0%	0
004.07	Fiber, Crude, ANKOM (%)	0955	15.25	0.3000	15.20	1.442	0.3556	66	0.03	0%	0
004.07	Fiber, Crude, ANKOM (%)	0034	15.27	0.2900	15.20	1.442	0.3556	66	0.04	0%	0
004.07	Fiber, Crude, ANKOM (%)	2196	15.31	0.0000	15.20	1.442	0.3556	66	0.08	0%	0
004.07	Fiber, Crude, ANKOM (%)	0003	15.42	1.490	15.20	1.442	0.3556	66	0.15	1%	0
004.07	Fiber, Crude, ANKOM (%)	0028	15.45	0.5000	15.20	1.442	0.3556	66	0.17	1%	0
004.07	Fiber, Crude, ANKOM (%)	0939	15.52	0.1100	15.20	1.442	0.3556	66	0.22	1%	0
004.07	Fiber, Crude, ANKOM (%)	0083	15.67	0.3200	15.20	1.442	0.3556	66	0.33	2%	0
004.07	Fiber, Crude, ANKOM (%)	0298	15.70	0.2000	15.20	1.442	0.3556	66	0.35	2%	0
004.07	Fiber, Crude, ANKOM (%)	2033	15.70	0.2000	15.20	1.442	0.3556	66	0.35	2%	0
004.07	Fiber, Crude, ANKOM (%)	0407	15.70	0.4924	15.20	1.442	0.3556	66	0.35	2%	0
004.07	Fiber, Crude, ANKOM (%)	0849	15.72	0.0830	15.20	1.442	0.3556	66	0.36	2%	0
004.07	Fiber, Crude, ANKOM (%)	0581	15.80	0.2000	15.20	1.442	0.3556	66	0.42	2%	0
004.07	Fiber, Crude, ANKOM (%)	0035	15.81	0.0700	15.20	1.442	0.3556	66	0.42	2%	0
004.07	Fiber, Crude, ANKOM (%)	0354	15.85	0.0200	15.20	1.442	0.3556	66	0.45	2%	0
004.07	Fiber, Crude, ANKOM (%)	0693	15.95	0.7580	15.20	1.442	0.3556	66	0.52	2%	0
004.07	Fiber, Crude, ANKOM (%)	0089	16.05	0.0200	15.20	1.442	0.3556	66	0.59	3%	0
004.07	Fiber, Crude, ANKOM (%)	2181	16.39	0.1300	15.20	1.442	0.3556	66	0.82	4%	0
004.07	Fiber, Crude, ANKOM (%)	0045	16.40	1.400	15.20	1.442	0.3556	66	0.83	4%	0
004.07	Fiber, Crude, ANKOM (%)	2259	16.60	0.0240	15.20	1.442	0.3556	66	0.97	5%	0
004.07	Fiber, Crude, ANKOM (%)	0066	16.86	0.4200	15.20	1.442	0.3556	66	1.15	5%	0
004.07	Fiber, Crude, ANKOM (%)	0948	17.02	0.1000	15.20	1.442	0.3556	66	1.26	6%	0
004.07	Fiber, Crude, ANKOM (%)	2009	17.17	0.6348	15.20	1.442	0.3556	66	1.37	6%	0
004.07	Fiber, Crude, ANKOM (%)	0202	17.34	0.8900	15.20	1.442	0.3556	66	1.48	7%	0
004.07	Fiber, Crude, ANKOM (%)	0229	17.35	0.1400	15.20	1.442	0.3556	66	1.49	7%	0
004.07	Fiber, Crude, ANKOM (%)	0520	17.75	1.700	15.20	1.442	0.3556	66	1.77	8%	0
004.07	Fiber, Crude, ANKOM (%)	0529	18.14	0.1200	15.20	1.442	0.3556	66	2.04	10%	0
004.07	Fiber, Crude, ANKOM (%)	0598	18.52	0.1500	15.20	1.442	0.3556	66	2.30	11%	0
004.07	Fiber, Crude, ANKOM (%)	0042	19.11	0.1500	15.20	1.442	0.3556	66	2.71	13%	0
004.07	Fiber, Crude, ANKOM (%)	0876	19.15	1.700	15.20	1.442	0.3556	66	2.74	13%	0
004.07	Fiber, Crude, ANKOM (%)	0144	20.69	0.6100	15.20	1.442	0.3556	66	3.80	18%	0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs	Z Score	%RSD	
004.07	Fiber, Crude, ANKOM (%)	0511	16.55	1.900	15.20	1.442	0.3556	66	0.94	4%	1
004.07	Fiber, Crude, ANKOM (%)	0297	0.6950	0.0300	15.20	1.442	0.3556	66	-10.06	48%	2
004.11	Fiber, Crude, NIR (%)	0011	12.75	0.3000	13.97	1.029	0.4790	6	-1.18	4%	0
004.11	Fiber, Crude, NIR (%)	0553	13.52	1.090	13.97	1.029	0.4790	6	-0.44	2%	0
004.11	Fiber, Crude, NIR (%)	0720	13.65	0.7000	13.97	1.029	0.4790	6	-0.31	1%	0
004.11	Fiber, Crude, NIR (%)	0405	13.85	0.2900	13.97	1.029	0.4790	6	-0.12	0%	0
004.11	Fiber, Crude, NIR (%)	2128	14.85	0.1840	13.97	1.029	0.4790	6	0.86	3%	0
004.11	Fiber, Crude, NIR (%)	0852	15.21	0.3100	13.97	1.029	0.4790	6	1.20	4%	0
004.99	Fiber, Crude, Miscellaneous (%)	2146	12.75	0.1900				3			0
004.99	Fiber, Crude, Miscellaneous (%)	2144	13.52	0.3000				3			0
004.99	Fiber, Crude, Miscellaneous (%)	0610	13.73	0.3500				3			0
005.00	Ash, 2h @ 600°C (%)	0511	14.60	0.1000	16.04	0.4588	0.1998	99	-3.14	4%	0
005.00	Ash, 2h @ 600°C (%)	2184	14.76	0.0300	16.04	0.4588	0.1998	99	-2.80	4%	0
005.00	Ash, 2h @ 600°C (%)	0574	15.00	0.8000	16.04	0.4588	0.1998	99	-2.27	3%	0
005.00	Ash, 2h @ 600°C (%)	0425	15.07	0.1500	16.04	0.4588	0.1998	99	-2.12	3%	0
005.00	Ash, 2h @ 600°C (%)	0541	15.24	0.2000	16.04	0.4588	0.1998	99	-1.74	2%	0
005.00	Ash, 2h @ 600°C (%)	0027	15.26	0.1480	16.04	0.4588	0.1998	99	-1.71	2%	0
005.00	Ash, 2h @ 600°C (%)	0169	15.36	0.0600	16.04	0.4588	0.1998	99	-1.48	2%	0
005.00	Ash, 2h @ 600°C (%)	0148	15.40	0.0100	16.04	0.4588	0.1998	99	-1.41	2%	0
005.00	Ash, 2h @ 600°C (%)	0278	15.42	0.3500	16.04	0.4588	0.1998	99	-1.36	2%	0
005.00	Ash, 2h @ 600°C (%)	0953	15.42	0.6700	16.04	0.4588	0.1998	99	-1.36	2%	0
005.00	Ash, 2h @ 600°C (%)	0144	15.47	0.1100	16.04	0.4588	0.1998	99	-1.25	2%	0
005.00	Ash, 2h @ 600°C (%)	0357	15.50	0.0000	16.04	0.4588	0.1998	99	-1.18	2%	0
005.00	Ash, 2h @ 600°C (%)	0042	15.52	0.9300	16.04	0.4588	0.1998	99	-1.14	2%	0
005.00	Ash, 2h @ 600°C (%)	0175	15.53	0.2100	16.04	0.4588	0.1998	99	-1.12	2%	0
005.00	Ash, 2h @ 600°C (%)	2033	15.55	0.1000	16.04	0.4588	0.1998	99	-1.07	2%	0
005.00	Ash, 2h @ 600°C (%)	0860	15.57	0.0000	16.04	0.4588	0.1998	99	-1.02	1%	0
005.00	Ash, 2h @ 600°C (%)	0598	15.58	0.0200	16.04	0.4588	0.1998	99	-1.00	1%	0
005.00	Ash, 2h @ 600°C (%)	0881	15.59	0.0020	16.04	0.4588	0.1998	99	-0.99	1%	0
005.00	Ash, 2h @ 600°C (%)	0004	15.59	0.1400	16.04	0.4588	0.1998	99	-0.98	1%	0
005.00	Ash, 2h @ 600°C (%)	0035	15.60	0.0200	16.04	0.4588	0.1998	99	-0.96	1%	0
005.00	Ash, 2h @ 600°C (%)	0520	15.61	0.0700	16.04	0.4588	0.1998	99	-0.95	1%	0
005.00	Ash, 2h @ 600°C (%)	0539	15.63	0.0400	16.04	0.4588	0.1998	99	-0.89	1%	0
005.00	Ash, 2h @ 600°C (%)	0049	15.64	0.8700	16.04	0.4588	0.1998	99	-0.88	1%	0
005.00	Ash, 2h @ 600°C (%)	0682	15.65	0.0000	16.04	0.4588	0.1998	99	-0.85	1%	0
005.00	Ash, 2h @ 600°C (%)	0164	15.69	0.3300	16.04	0.4588	0.1998	99	-0.77	1%	0
005.00	Ash, 2h @ 600°C (%)	0208	15.70	0.2000	16.04	0.4588	0.1998	99	-0.74	1%	0
005.00	Ash, 2h @ 600°C (%)	0876	15.75	0.7000	16.04	0.4588	0.1998	99	-0.63	1%	0
005.00	Ash, 2h @ 600°C (%)	0108	15.81	0.1200	16.04	0.4588	0.1998	99	-0.50	1%	0
005.00	Ash, 2h @ 600°C (%)	0874	15.83	0.2100	16.04	0.4588	0.1998	99	-0.47	1%	0
005.00	Ash, 2h @ 600°C (%)	2248	15.83	0.0000	16.04	0.4588	0.1998	99	-0.46	1%	0
005.00	Ash, 2h @ 600°C (%)	0589	15.84	0.4500	16.04	0.4588	0.1998	99	-0.45	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	
005.00	Ash, 2h @ 600°C (%)	0171	15.85	0.1500	16.04	0.4588	0.1998	99	-0.42	1%	0
005.00	Ash, 2h @ 600°C (%)	0510	15.85	0.2100	16.04	0.4588	0.1998	99	-0.42	1%	0
005.00	Ash, 2h @ 600°C (%)	0650	15.85	0.1000	16.04	0.4588	0.1998	99	-0.41	1%	0
005.00	Ash, 2h @ 600°C (%)	2097	15.85	0.1634	16.04	0.4588	0.1998	99	-0.41	1%	0
005.00	Ash, 2h @ 600°C (%)	2073	15.94	0.0300	16.04	0.4588	0.1998	99	-0.23	0%	0
005.00	Ash, 2h @ 600°C (%)	0298	15.95	0.0200	16.04	0.4588	0.1998	99	-0.20	0%	0
005.00	Ash, 2h @ 600°C (%)	2022	15.95	0.0600	16.04	0.4588	0.1998	99	-0.20	0%	0
005.00	Ash, 2h @ 600°C (%)	0034	15.96	0.0070	16.04	0.4588	0.1998	99	-0.16	0%	0
005.00	Ash, 2h @ 600°C (%)	0653	15.98	0.0600	16.04	0.4588	0.1998	99	-0.13	0%	0
005.00	Ash, 2h @ 600°C (%)	0229	15.99	0.3200	16.04	0.4588	0.1998	99	-0.11	0%	0
005.00	Ash, 2h @ 600°C (%)	0529	16.00	0.5100	16.04	0.4588	0.1998	99	-0.10	0%	0
005.00	Ash, 2h @ 600°C (%)	0019	16.00	1.000	16.04	0.4588	0.1998	99	-0.09	0%	0
005.00	Ash, 2h @ 600°C (%)	0062	16.01	0.0139	16.04	0.4588	0.1998	99	-0.07	0%	0
005.00	Ash, 2h @ 600°C (%)	0354	16.01	0.0200	16.04	0.4588	0.1998	99	-0.06	0%	0
005.00	Ash, 2h @ 600°C (%)	0675	16.01	0.5800	16.04	0.4588	0.1998	99	-0.06	0%	0
005.00	Ash, 2h @ 600°C (%)	0001	16.02	0.2523	16.04	0.4588	0.1998	99	-0.05	0%	0
005.00	Ash, 2h @ 600°C (%)	0297	16.03	0.2000	16.04	0.4588	0.1998	99	-0.02	0%	0
005.00	Ash, 2h @ 600°C (%)	0353	16.04	0.3400	16.04	0.4588	0.1998	99	0.00	0%	0
005.00	Ash, 2h @ 600°C (%)	2006	16.04	0.3110	16.04	0.4588	0.1998	99	0.01	0%	0
005.00	Ash, 2h @ 600°C (%)	0693	16.05	0.5910	16.04	0.4588	0.1998	99	0.01	0%	0
005.00	Ash, 2h @ 600°C (%)	0045	16.05	0.3000	16.04	0.4588	0.1998	99	0.02	0%	0
005.00	Ash, 2h @ 600°C (%)	0226	16.06	0.0700	16.04	0.4588	0.1998	99	0.03	0%	0
005.00	Ash, 2h @ 600°C (%)	0918	16.08	0.0200	16.04	0.4588	0.1998	99	0.09	0%	0
005.00	Ash, 2h @ 600°C (%)	0870	16.09	0.1900	16.04	0.4588	0.1998	99	0.10	0%	0
005.00	Ash, 2h @ 600°C (%)	0186	16.10	0.2000	16.04	0.4588	0.1998	99	0.13	0%	0
005.00	Ash, 2h @ 600°C (%)	2196	16.14	0.0000	16.04	0.4588	0.1998	99	0.22	0%	0
005.00	Ash, 2h @ 600°C (%)	0968	16.17	0.0460	16.04	0.4588	0.1998	99	0.29	0%	0
005.00	Ash, 2h @ 600°C (%)	0026	16.20	0.0300	16.04	0.4588	0.1998	99	0.34	0%	0
005.00	Ash, 2h @ 600°C (%)	0265	16.20	0.0000	16.04	0.4588	0.1998	99	0.35	0%	0
005.00	Ash, 2h @ 600°C (%)	0142	16.21	0.0400	16.04	0.4588	0.1998	99	0.37	1%	0
005.00	Ash, 2h @ 600°C (%)	2089	16.21	0.0200	16.04	0.4588	0.1998	99	0.37	1%	0
005.00	Ash, 2h @ 600°C (%)	0618	16.22	0.1039	16.04	0.4588	0.1998	99	0.39	1%	0
005.00	Ash, 2h @ 600°C (%)	0848	16.22	0.0200	16.04	0.4588	0.1998	99	0.39	1%	0
005.00	Ash, 2h @ 600°C (%)	0083	16.23	0.1000	16.04	0.4588	0.1998	99	0.41	1%	0
005.00	Ash, 2h @ 600°C (%)	0033	16.25	0.1000	16.04	0.4588	0.1998	99	0.46	1%	0
005.00	Ash, 2h @ 600°C (%)	0358	16.26	0.4100	16.04	0.4588	0.1998	99	0.47	1%	0
005.00	Ash, 2h @ 600°C (%)	2268	16.27	0.4000	16.04	0.4588	0.1998	99	0.50	1%	0
005.00	Ash, 2h @ 600°C (%)	0505	16.28	0.0100	16.04	0.4588	0.1998	99	0.51	1%	0
005.00	Ash, 2h @ 600°C (%)	2150	16.28	0.0800	16.04	0.4588	0.1998	99	0.52	1%	0
005.00	Ash, 2h @ 600°C (%)	0017	16.30	0.0000	16.04	0.4588	0.1998	99	0.57	1%	0
005.00	Ash, 2h @ 600°C (%)	0948	16.31	0.0400	16.04	0.4588	0.1998	99	0.59	1%	0
005.00	Ash, 2h @ 600°C (%)	2076	16.32	0.4534	16.04	0.4588	0.1998	99	0.60	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	
005.00	Ash, 2h @ 600°C (%)	0047	16.33	0.0900	16.04	0.4588	0.1998	99	0.62	1%	0
005.00	Ash, 2h @ 600°C (%)	0956	16.35	0.3000	16.04	0.4588	0.1998	99	0.68	1%	0
005.00	Ash, 2h @ 600°C (%)	2193	16.35	0.0400	16.04	0.4588	0.1998	99	0.68	1%	0
005.00	Ash, 2h @ 600°C (%)	0407	16.35	0.2673	16.04	0.4588	0.1998	99	0.68	1%	0
005.00	Ash, 2h @ 600°C (%)	0098	16.36	0.0700	16.04	0.4588	0.1998	99	0.69	1%	0
005.00	Ash, 2h @ 600°C (%)	0187	16.40	0.0900	16.04	0.4588	0.1998	99	0.77	1%	0
005.00	Ash, 2h @ 600°C (%)	0123	16.40	0.0000	16.04	0.4588	0.1998	99	0.79	1%	0
005.00	Ash, 2h @ 600°C (%)	0674	16.44	0.0000	16.04	0.4588	0.1998	99	0.87	1%	0
005.00	Ash, 2h @ 600°C (%)	2242	16.45	0.5300	16.04	0.4588	0.1998	99	0.88	1%	0
005.00	Ash, 2h @ 600°C (%)	0366	16.45	0.5000	16.04	0.4588	0.1998	99	0.89	1%	0
005.00	Ash, 2h @ 600°C (%)	2053	16.49	0.1700	16.04	0.4588	0.1998	99	0.97	1%	0
005.00	Ash, 2h @ 600°C (%)	0609	16.50	0.0200	16.04	0.4588	0.1998	99	1.00	1%	0
005.00	Ash, 2h @ 600°C (%)	0651	16.51	0.0320	16.04	0.4588	0.1998	99	1.02	1%	0
005.00	Ash, 2h @ 600°C (%)	0504	16.52	0.4500	16.04	0.4588	0.1998	99	1.04	1%	0
005.00	Ash, 2h @ 600°C (%)	0853	16.55	0.9000	16.04	0.4588	0.1998	99	1.11	2%	0
005.00	Ash, 2h @ 600°C (%)	0100	16.59	0.4000	16.04	0.4588	0.1998	99	1.20	2%	0
005.00	Ash, 2h @ 600°C (%)	2259	16.63	0.1110	16.04	0.4588	0.1998	99	1.29	2%	0
005.00	Ash, 2h @ 600°C (%)	0885	16.66	0.0950	16.04	0.4588	0.1998	99	1.36	2%	0
005.00	Ash, 2h @ 600°C (%)	0309	16.68	0.0100	16.04	0.4588	0.1998	99	1.38	2%	0
005.00	Ash, 2h @ 600°C (%)	0581	16.70	0.1100	16.04	0.4588	0.1998	99	1.43	2%	0
005.00	Ash, 2h @ 600°C (%)	2278	16.70	0.2000	16.04	0.4588	0.1998	99	1.44	2%	0
005.00	Ash, 2h @ 600°C (%)	2181	16.73	0.1000	16.04	0.4588	0.1998	99	1.50	2%	0
005.00	Ash, 2h @ 600°C (%)	0345	16.84	0.0700	16.04	0.4588	0.1998	99	1.73	2%	0
005.00	Ash, 2h @ 600°C (%)	0852	16.90	0.0200	16.04	0.4588	0.1998	99	1.88	3%	0
005.00	Ash, 2h @ 600°C (%)	0139	16.93	0.3100	16.04	0.4588	0.1998	99	1.93	3%	0
005.00	Ash, 2h @ 600°C (%)	0921	17.27	0.2800	16.04	0.4588	0.1998	99	2.68	4%	0
005.00	Ash, 2h @ 600°C (%)	2188	15.71	1.100	16.04	0.4588	0.1998	99	-0.72	1%	1
005.00	Ash, 2h @ 600°C (%)	2199	2.050	1.100	16.04	0.4588	0.1998	99	-30.49	44%	2
005.02	Ash, LECO (%)	0644	15.83	0.0200				1			0
005.03	Ash, Microwave furnace (%)	0912	16.75	0.1000				1			0
005.05	Ash, 3h @ 550°C (%)	0038	15.63	0.6000	16.42	0.4455	0.1669	33	-1.78	2%	0
005.05	Ash, 3h @ 550°C (%)	0726	15.76	0.0200	16.42	0.4455	0.1669	33	-1.48	2%	0
005.05	Ash, 3h @ 550°C (%)	2012	15.84	0.2200	16.42	0.4455	0.1669	33	-1.30	2%	0
005.05	Ash, 3h @ 550°C (%)	0003	15.85	0.1000	16.42	0.4455	0.1669	33	-1.28	2%	0
005.05	Ash, 3h @ 550°C (%)	2009	15.87	0.0130	16.42	0.4455	0.1669	33	-1.25	2%	0
005.05	Ash, 3h @ 550°C (%)	0066	16.01	0.3100	16.42	0.4455	0.1669	33	-0.93	1%	0
005.05	Ash, 3h @ 550°C (%)	0720	16.13	0.6600	16.42	0.4455	0.1669	33	-0.65	1%	0
005.05	Ash, 3h @ 550°C (%)	0263	16.19	0.0373	16.42	0.4455	0.1669	33	-0.52	1%	0
005.05	Ash, 3h @ 550°C (%)	2144	16.23	0.1300	16.42	0.4455	0.1669	33	-0.44	1%	0
005.05	Ash, 3h @ 550°C (%)	0897	16.23	0.0200	16.42	0.4455	0.1669	33	-0.43	1%	0
005.05	Ash, 3h @ 550°C (%)	0590	16.25	0.0100	16.42	0.4455	0.1669	33	-0.39	1%	0
005.05	Ash, 3h @ 550°C (%)	0294	16.25	0.1000	16.42	0.4455	0.1669	33	-0.38	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	
005.05	Ash, 3h @ 550°C (%)	0695	16.30	0.0300	16.42	0.4455	0.1669	33	-0.28	0%	0
005.05	Ash, 3h @ 550°C (%)	2198	16.30	0.0100	16.42	0.4455	0.1669	33	-0.28	0%	0
005.05	Ash, 3h @ 550°C (%)	2192	16.32	0.1400	16.42	0.4455	0.1669	33	-0.23	0%	0
005.05	Ash, 3h @ 550°C (%)	0689	16.35	0.0400	16.42	0.4455	0.1669	33	-0.16	0%	0
005.05	Ash, 3h @ 550°C (%)	2246	16.43	0.1000	16.42	0.4455	0.1669	33	0.02	0%	0
005.05	Ash, 3h @ 550°C (%)	0849	16.44	0.0180	16.42	0.4455	0.1669	33	0.05	0%	0
005.05	Ash, 3h @ 550°C (%)	2109	16.47	0.1900	16.42	0.4455	0.1669	33	0.10	0%	0
005.05	Ash, 3h @ 550°C (%)	2190	16.50	0.5200	16.42	0.4455	0.1669	33	0.18	0%	0
005.05	Ash, 3h @ 550°C (%)	0878	16.54	0.1700	16.42	0.4455	0.1669	33	0.26	0%	0
005.05	Ash, 3h @ 550°C (%)	0619	16.55	0.1000	16.42	0.4455	0.1669	33	0.29	0%	0
005.05	Ash, 3h @ 550°C (%)	0685	16.56	0.0400	16.42	0.4455	0.1669	33	0.31	0%	0
005.05	Ash, 3h @ 550°C (%)	2146	16.58	0.1900	16.42	0.4455	0.1669	33	0.35	0%	0
005.05	Ash, 3h @ 550°C (%)	2018	16.60	0.1700	16.42	0.4455	0.1669	33	0.39	1%	0
005.05	Ash, 3h @ 550°C (%)	0939	16.64	0.3000	16.42	0.4455	0.1669	33	0.49	1%	0
005.05	Ash, 3h @ 550°C (%)	0868	16.82	0.0500	16.42	0.4455	0.1669	33	0.88	1%	0
005.05	Ash, 3h @ 550°C (%)	0889	16.85	0.1800	16.42	0.4455	0.1669	33	0.96	1%	0
005.05	Ash, 3h @ 550°C (%)	0610	17.00	0.3100	16.42	0.4455	0.1669	33	1.29	2%	0
005.05	Ash, 3h @ 550°C (%)	2262	17.07	0.0600	16.42	0.4455	0.1669	33	1.46	2%	0
005.05	Ash, 3h @ 550°C (%)	2258	17.39	0.5500	16.42	0.4455	0.1669	33	2.16	3%	0
005.05	Ash, 3h @ 550°C (%)	0190	17.77	0.1200	16.42	0.4455	0.1669	33	3.03	4%	0
005.05	Ash, 3h @ 550°C (%)	2129	19.02	0.0000	16.42	0.4455	0.1669	33	5.83	8%	0
005.11	Ash, NIR (%)	0852	6.990	0.1600	10.32	3.105	0.4557	4			0
005.11	Ash, NIR (%)	2128	8.387	0.0529	10.32	3.105	0.4557	4			0
005.11	Ash, NIR (%)	0720	12.57	0.5000	10.32	3.105	0.4557	4			0
005.11	Ash, NIR (%)	0297	13.33	1.110	10.32	3.105	0.4557	4			0
005.99	Ash, Miscellaneous (%)	0202	16.38	0.0400	16.61	0.2306	0.2086	7	-1.02	1%	0
005.99	Ash, Miscellaneous (%)	0884	16.45	0.5000	16.61	0.2306	0.2086	7	-0.71	0%	0
005.99	Ash, Miscellaneous (%)	0676	16.48	0.2500	16.61	0.2306	0.2086	7	-0.60	0%	0
005.99	Ash, Miscellaneous (%)	2253	16.61	0.0400	16.61	0.2306	0.2086	7	-0.02	0%	0
005.99	Ash, Miscellaneous (%)	0652	16.65	0.1000	16.61	0.2306	0.2086	7	0.15	0%	0
005.99	Ash, Miscellaneous (%)	0536	16.78	0.1300	16.61	0.2306	0.2086	7	0.70	0%	0
005.99	Ash, Miscellaneous (%)	0910	17.40	0.4000	16.61	0.2306	0.2086	7	3.41	2%	0
005.99	Ash, Miscellaneous (%)	2081	13.71	1.460	16.61	0.2306	0.2086	7	-12.60	9%	1
006.00	Total Sugars, As sucrose (%)	0910	3.385	0.0100				2			0
006.00	Total Sugars, As sucrose (%)	0407	4.603	0.5180				2			0
006.03	Total Sugars, Invert w/o Invrn (%)	0941	3.055	0.2700				1			0
006.99	Total Sugars, Miscellaneous (%)	0956	4.000	0.2000				3			0
006.99	Total Sugars, Miscellaneous (%)	0939	4.090	0.1000				3			0
006.99	Total Sugars, Miscellaneous (%)	0720	4.340	0.5600				3			0
008.02	Fiber, Acid Detergent, Crucible (%)	0038	16.45	0.1800	19.46	1.233	0.2585	16	-2.44	8%	0
008.02	Fiber, Acid Detergent, Crucible (%)	0676	17.67	0.3200	19.46	1.233	0.2585	16	-1.45	5%	0
008.02	Fiber, Acid Detergent, Crucible (%)	0675	18.29	0.3300	19.46	1.233	0.2585	16	-0.95	3%	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	
008.02	Fiber, Acid Detergent, Crucible (%)	0948	18.40	0.3000	19.46	1.233	0.2585	16	-0.86	3%	0
008.02	Fiber, Acid Detergent, Crucible (%)	2192	18.75	0.3800	19.46	1.233	0.2585	16	-0.58	2%	0
008.02	Fiber, Acid Detergent, Crucible (%)	0098	19.25	0.1300	19.46	1.233	0.2585	16	-0.17	1%	0
008.02	Fiber, Acid Detergent, Crucible (%)	0353	19.25	0.0500	19.46	1.233	0.2585	16	-0.17	1%	0
008.02	Fiber, Acid Detergent, Crucible (%)	0504	19.41	0.3500	19.46	1.233	0.2585	16	-0.04	0%	0
008.02	Fiber, Acid Detergent, Crucible (%)	2246	19.58	0.0000	19.46	1.233	0.2585	16	0.10	0%	0
008.02	Fiber, Acid Detergent, Crucible (%)	0689	19.80	0.4000	19.46	1.233	0.2585	16	0.28	1%	0
008.02	Fiber, Acid Detergent, Crucible (%)	0345	20.05	0.0500	19.46	1.233	0.2585	16	0.47	2%	0
008.02	Fiber, Acid Detergent, Crucible (%)	0148	20.40	0.4000	19.46	1.233	0.2585	16	0.76	2%	0
008.02	Fiber, Acid Detergent, Crucible (%)	0609	20.45	0.0100	19.46	1.233	0.2585	16	0.80	3%	0
008.02	Fiber, Acid Detergent, Crucible (%)	0226	20.64	0.8400	19.46	1.233	0.2585	16	0.96	3%	0
008.02	Fiber, Acid Detergent, Crucible (%)	0187	20.89	0.3300	19.46	1.233	0.2585	16	1.16	4%	0
008.02	Fiber, Acid Detergent, Crucible (%)	0309	20.96	0.0653	19.46	1.233	0.2585	16	1.22	4%	0
008.05	Fiber, Acid Detergent, Acid Detergent-Hach (%)	0265	20.80	0.6000				1			0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0653	14.64	0.0900	19.28	1.230	0.3687	44	-3.78	12%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0956	16.45	0.1000	19.28	1.230	0.3687	44	-2.30	7%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0968	16.56	0.0380	19.28	1.230	0.3687	44	-2.21	7%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0910	17.53	0.0000	19.28	1.230	0.3687	44	-1.42	5%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0848	17.58	0.0000	19.28	1.230	0.3687	44	-1.38	4%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0590	18.05	0.9000	19.28	1.230	0.3687	44	-1.00	3%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0675	18.08	0.3200	19.28	1.230	0.3687	44	-0.97	3%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0529	18.14	0.1200	19.28	1.230	0.3687	44	-0.92	3%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0148	18.60	0.6000	19.28	1.230	0.3687	44	-0.55	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0939	18.61	0.1100	19.28	1.230	0.3687	44	-0.55	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0004	18.64	0.4000	19.28	1.230	0.3687	44	-0.52	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0294	18.65	0.1000	19.28	1.230	0.3687	44	-0.51	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0049	18.71	1.120	19.28	1.230	0.3687	44	-0.46	1%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0870	18.79	0.3025	19.28	1.230	0.3687	44	-0.39	1%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0918	18.81	0.4060	19.28	1.230	0.3687	44	-0.38	1%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0354	18.83	0.0100	19.28	1.230	0.3687	44	-0.37	1%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0026	18.87	1.710	19.28	1.230	0.3687	44	-0.34	1%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	2012	18.89	0.0700	19.28	1.230	0.3687	44	-0.32	1%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0358	18.91	1.870	19.28	1.230	0.3687	44	-0.30	1%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0948	18.97	0.0700	19.28	1.230	0.3687	44	-0.25	1%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0278	19.05	0.9000	19.28	1.230	0.3687	44	-0.18	1%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0357	19.10	0.0000	19.28	1.230	0.3687	44	-0.14	0%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0510	19.15	0.1000	19.28	1.230	0.3687	44	-0.10	0%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	2193	19.30	0.1000	19.28	1.230	0.3687	44	0.02	0%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0407	19.38	0.7793	19.28	1.230	0.3687	44	0.09	0%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0878	19.40	0.6000	19.28	1.230	0.3687	44	0.10	0%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0066	19.42	0.5400	19.28	1.230	0.3687	44	0.12	0%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	2196	19.48	0.0000	19.28	1.230	0.3687	44	0.17	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	
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0912	19.60	0.4000	19.28	1.230	0.3687	44	0.26	1%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0263	19.64	0.1426	19.28	1.230	0.3687	44	0.30	1%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0164	19.65	0.1000	19.28	1.230	0.3687	44	0.30	1%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0042	19.68	0.0700	19.28	1.230	0.3687	44	0.32	1%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0001	20.03	0.1700	19.28	1.230	0.3687	44	0.61	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0581	20.14	0.0900	19.28	1.230	0.3687	44	0.70	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0190	20.24	0.3900	19.28	1.230	0.3687	44	0.78	2%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0083	20.35	0.1200	19.28	1.230	0.3687	44	0.87	3%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0536	20.72	0.2400	19.28	1.230	0.3687	44	1.17	4%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0726	20.72	0.3000	19.28	1.230	0.3687	44	1.17	4%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0619	20.73	0.2400	19.28	1.230	0.3687	44	1.18	4%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0037	21.06	0.2500	19.28	1.230	0.3687	44	1.45	5%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0297	21.07	1.700	19.28	1.230	0.3687	44	1.46	5%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0693	21.16	0.1640	19.28	1.230	0.3687	44	1.53	5%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0045	21.25	0.3000	19.28	1.230	0.3687	44	1.60	5%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	0035	21.30	0.1900	19.28	1.230	0.3687	44	1.64	5%	0
008.08	Fiber, Acid Detergent, Filter Bag - ANKOM (%)	2129	20.42	2.260	19.28	1.230	0.3687	44	0.93	3%	1
008.99	Fiber, Acid Detergent, Miscellaneous (%)	0720	17.53	0.6900	19.28	1.321	1.110	4			0
008.99	Fiber, Acid Detergent, Miscellaneous (%)	0941	19.24	0.2500	19.28	1.321	1.110	4			0
008.99	Fiber, Acid Detergent, Miscellaneous (%)	0610	19.65	1.100	19.28	1.321	1.110	4			0
008.99	Fiber, Acid Detergent, Miscellaneous (%)	0511	20.70	2.400	19.28	1.321	1.110	4			0
009.04	Fiber, Neutral Detergent, Neutral Det-No ENZ Pretreat (%)	0504	32.76	0.0200				2			0
009.04	Fiber, Neutral Detergent, Neutral Det-No ENZ Pretreat (%)	2246	38.43	0.5100				2			0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat (%)	0910	31.75	0.3000	36.28	2.623	0.4918	15	-1.73	6%	0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat (%)	0098	33.90	0.4000	36.28	2.623	0.4918	15	-0.91	3%	0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat (%)	0676	34.24	0.6300	36.28	2.623	0.4918	15	-0.78	3%	0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat (%)	0187	34.51	0.1800	36.28	2.623	0.4918	15	-0.68	2%	0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat (%)	0353	34.59	0.4600	36.28	2.623	0.4918	15	-0.64	2%	0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat (%)	0948	35.21	0.1000	36.28	2.623	0.4918	15	-0.41	1%	0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat (%)	0345	35.30	0.2000	36.28	2.623	0.4918	15	-0.37	1%	0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat (%)	2192	36.30	0.4900	36.28	2.623	0.4918	15	0.01	0%	0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat (%)	0675	36.35	0.2800	36.28	2.623	0.4918	15	0.03	0%	0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat (%)	0226	36.90	1.230	36.28	2.623	0.4918	15	0.23	1%	0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat (%)	0689	37.55	0.3000	36.28	2.623	0.4918	15	0.48	2%	0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat (%)	0610	37.90	0.0000	36.28	2.623	0.4918	15	0.62	2%	0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat (%)	0309	38.71	1.227	36.28	2.623	0.4918	15	0.92	3%	0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat (%)	2246	40.42	0.1000	36.28	2.623	0.4918	15	1.58	6%	0
009.07	Fiber, Neutral Detergent, AOAC -ENZ Pretreat (%)	0609	40.86	1.480	36.28	2.623	0.4918	15	1.75	6%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0653	29.93	0.1200	34.56	1.386	0.4389	42	-3.34	7%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0968	30.74	0.0570	34.56	1.386	0.4389	42	-2.76	6%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0358	31.43	0.6800	34.56	1.386	0.4389	42	-2.26	5%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0956	31.65	0.5000	34.56	1.386	0.4389	42	-2.10	4%	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	
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0939	31.87	0.7000	34.56	1.386	0.4389	42	-1.94	4%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0581	32.52	0.1800	34.56	1.386	0.4389	42	-1.47	3%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0881	33.30	0.7040	34.56	1.386	0.4389	42	-0.92	2%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0598	33.33	0.1100	34.56	1.386	0.4389	42	-0.89	2%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0870	33.59	0.1079	34.56	1.386	0.4389	42	-0.70	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	2012	33.67	0.1400	34.56	1.386	0.4389	42	-0.64	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0278	33.75	0.5000	34.56	1.386	0.4389	42	-0.59	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0912	33.95	0.1000	34.56	1.386	0.4389	42	-0.44	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0049	34.07	0.9100	34.56	1.386	0.4389	42	-0.36	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0536	34.10	1.420	34.56	1.386	0.4389	42	-0.33	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0918	34.13	0.1100	34.56	1.386	0.4389	42	-0.32	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0263	34.21	0.0486	34.56	1.386	0.4389	42	-0.26	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0878	34.24	0.6800	34.56	1.386	0.4389	42	-0.23	0%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	2193	34.34	0.6800	34.56	1.386	0.4389	42	-0.16	0%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0357	34.35	0.1000	34.56	1.386	0.4389	42	-0.15	0%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	2196	34.65	0.0000	34.56	1.386	0.4389	42	0.06	0%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0164	34.65	0.1000	34.56	1.386	0.4389	42	0.06	0%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0001	34.74	0.1500	34.56	1.386	0.4389	42	0.12	0%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0265	34.85	0.1000	34.56	1.386	0.4389	42	0.21	0%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0726	34.90	0.1900	34.56	1.386	0.4389	42	0.24	0%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0407	34.94	0.9160	34.56	1.386	0.4389	42	0.27	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0297	34.96	1.640	34.56	1.386	0.4389	42	0.29	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0889	35.03	0.2600	34.56	1.386	0.4389	42	0.34	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0510	35.05	0.7000	34.56	1.386	0.4389	42	0.35	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0848	35.16	0.0000	34.56	1.386	0.4389	42	0.43	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0354	35.25	0.1800	34.56	1.386	0.4389	42	0.50	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0148	35.30	0.4000	34.56	1.386	0.4389	42	0.53	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0190	35.39	0.6400	34.56	1.386	0.4389	42	0.60	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0294	35.45	0.1000	34.56	1.386	0.4389	42	0.64	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0083	35.54	1.140	34.56	1.386	0.4389	42	0.70	1%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0860	35.63	0.0000	34.56	1.386	0.4389	42	0.77	2%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0045	35.65	0.1000	34.56	1.386	0.4389	42	0.78	2%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0675	35.95	0.0800	34.56	1.386	0.4389	42	1.00	2%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0693	36.18	1.110	34.56	1.386	0.4389	42	1.17	2%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0066	36.55	0.5200	34.56	1.386	0.4389	42	1.43	3%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0037	36.79	1.520	34.56	1.386	0.4389	42	1.61	3%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0948	37.81	0.5000	34.56	1.386	0.4389	42	2.34	5%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0619	40.86	0.2400	34.56	1.386	0.4389	42	4.54	9%	0
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	2129	30.62	2.780	34.56	1.386	0.4389	42	-2.85	6%	1
009.09	Fiber, Neutral Detergent, Filter Bag - ANKOM (%)	0590	36.10	2.800	34.56	1.386	0.4389	42	1.11	2%	1
009.99	Fiber, Neutral Detergent, Miscellaneous (%)	0720	32.81	1.620				2			0
009.99	Fiber, Neutral Detergent, Miscellaneous (%)	0941	37.62	0.2000				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			
010.03	Moisture, Karl-Fischer (%)	0164	8.375	0.0900				2			0
010.03	Moisture, Karl-Fischer (%)	0843	9.290	0.2200				2			0
010.11	Moisture, NIR (%)	0720	8.725	0.0300	9.390	0.4793	0.0832	4			0
010.11	Moisture, NIR (%)	0852	9.370	0.2000	9.390	0.4793	0.0832	4			0
010.11	Moisture, NIR (%)	0553	9.660	0.0400	9.390	0.4793	0.0832	4			0
010.11	Moisture, NIR (%)	2128	9.807	0.0626	9.390	0.4793	0.0832	4			0
010.99	Moisture, Miscellaneous (%)	2129	7.485	0.2500	8.751	0.5468	0.1046	13	-2.31	7%	0
010.99	Moisture, Miscellaneous (%)	0726	8.215	0.0100	8.751	0.5468	0.1046	13	-0.98	3%	0
010.99	Moisture, Miscellaneous (%)	0948	8.345	0.0300	8.751	0.5468	0.1046	13	-0.74	2%	0
010.99	Moisture, Miscellaneous (%)	0939	8.505	0.0500	8.751	0.5468	0.1046	13	-0.45	1%	0
010.99	Moisture, Miscellaneous (%)	2089	8.555	0.2300	8.751	0.5468	0.1046	13	-0.36	1%	0
010.99	Moisture, Miscellaneous (%)	0652	8.650	0.1000	8.751	0.5468	0.1046	13	-0.18	1%	0
010.99	Moisture, Miscellaneous (%)	0884	8.700	0.0000	8.751	0.5468	0.1046	13	-0.09	0%	0
010.99	Moisture, Miscellaneous (%)	2150	8.765	0.1900	8.751	0.5468	0.1046	13	0.03	0%	0
010.99	Moisture, Miscellaneous (%)	2178	8.825	0.4500	8.751	0.5468	0.1046	13	0.14	0%	0
010.99	Moisture, Miscellaneous (%)	2076	8.995	0.0100	8.751	0.5468	0.1046	13	0.45	1%	0
010.99	Moisture, Miscellaneous (%)	0190	9.130	0.0200	8.751	0.5468	0.1046	13	0.69	2%	0
010.99	Moisture, Miscellaneous (%)	2248	9.695	0.0000	8.751	0.5468	0.1046	13	1.73	5%	0
010.99	Moisture, Miscellaneous (%)	0405	10.83	0.0200	8.751	0.5468	0.1046	13	3.80	12%	0
011.01	Loss on Drying, 135°C 2hr (%)	0520	8.100	0.0000	9.276	0.3933	0.1147	68	-2.99	6%	0
011.01	Loss on Drying, 135°C 2hr (%)	0874	8.315	0.0900	9.276	0.3933	0.1147	68	-2.44	5%	0
011.01	Loss on Drying, 135°C 2hr (%)	2199	8.415	0.1700	9.276	0.3933	0.1147	68	-2.19	5%	0
011.01	Loss on Drying, 135°C 2hr (%)	0062	8.492	0.0230	9.276	0.3933	0.1147	68	-2.00	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	2198	8.550	0.0200	9.276	0.3933	0.1147	68	-1.85	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0860	8.610	0.0000	9.276	0.3933	0.1147	68	-1.69	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0650	8.630	0.1800	9.276	0.3933	0.1147	68	-1.64	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0685	8.700	0.0400	9.276	0.3933	0.1147	68	-1.47	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	2073	8.805	0.1100	9.276	0.3933	0.1147	68	-1.20	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0539	8.845	0.0900	9.276	0.3933	0.1147	68	-1.10	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0553	8.855	0.6300	9.276	0.3933	0.1147	68	-1.07	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0425	8.895	0.1100	9.276	0.3933	0.1147	68	-0.97	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0618	8.915	0.0100	9.276	0.3933	0.1147	68	-0.92	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0881	8.942	0.2890	9.276	0.3933	0.1147	68	-0.85	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0953	8.955	0.0900	9.276	0.3933	0.1147	68	-0.82	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0511	9.010	0.3600	9.276	0.3933	0.1147	68	-0.68	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0171	9.040	0.0400	9.276	0.3933	0.1147	68	-0.60	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0859	9.052	0.1200	9.276	0.3933	0.1147	68	-0.57	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	2168	9.070	0.0600	9.276	0.3933	0.1147	68	-0.53	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	2188	9.070	0.0000	9.276	0.3933	0.1147	68	-0.53	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0208	9.085	0.2300	9.276	0.3933	0.1147	68	-0.49	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	2181	9.085	0.0700	9.276	0.3933	0.1147	68	-0.49	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	2193	9.120	0.0200	9.276	0.3933	0.1147	68	-0.40	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	
011.01	Loss on Drying, 135°C 2hr (%)	0226	9.135	0.0500	9.276	0.3933	0.1147	68	-0.36	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	2033	9.160	0.0200	9.276	0.3933	0.1147	68	-0.30	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0574	9.165	0.0900	9.276	0.3933	0.1147	68	-0.28	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	2268	9.165	0.1300	9.276	0.3933	0.1147	68	-0.28	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0164	9.180	0.3400	9.276	0.3933	0.1147	68	-0.25	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0968	9.216	0.0580	9.276	0.3933	0.1147	68	-0.15	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0598	9.265	0.1100	9.276	0.3933	0.1147	68	-0.03	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	2006	9.280	0.0000	9.276	0.3933	0.1147	68	0.01	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0536	9.290	0.0200	9.276	0.3933	0.1147	68	0.03	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0175	9.300	0.4000	9.276	0.3933	0.1147	68	0.06	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0510	9.300	0.0000	9.276	0.3933	0.1147	68	0.06	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0407	9.305	0.0174	9.276	0.3933	0.1147	68	0.07	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	2022	9.320	0.1400	9.276	0.3933	0.1147	68	0.11	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0294	9.350	0.3000	9.276	0.3933	0.1147	68	0.19	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0354	9.355	0.0100	9.276	0.3933	0.1147	68	0.20	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0653	9.355	0.0100	9.276	0.3933	0.1147	68	0.20	0%	0
011.01	Loss on Drying, 135°C 2hr (%)	0298	9.370	0.0200	9.276	0.3933	0.1147	68	0.24	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0026	9.390	0.0000	9.276	0.3933	0.1147	68	0.29	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0229	9.406	0.0250	9.276	0.3933	0.1147	68	0.33	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0309	9.445	0.0700	9.276	0.3933	0.1147	68	0.43	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	2196	9.450	0.0000	9.276	0.3933	0.1147	68	0.44	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0870	9.453	0.1043	9.276	0.3933	0.1147	68	0.45	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0144	9.455	0.0900	9.276	0.3933	0.1147	68	0.45	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0047	9.460	0.2200	9.276	0.3933	0.1147	68	0.47	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0123	9.465	0.0300	9.276	0.3933	0.1147	68	0.48	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0100	9.480	0.1000	9.276	0.3933	0.1147	68	0.52	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0108	9.480	0.3000	9.276	0.3933	0.1147	68	0.52	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0300	9.515	0.0900	9.276	0.3933	0.1147	68	0.61	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0098	9.525	0.3500	9.276	0.3933	0.1147	68	0.63	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	2097	9.530	0.0400	9.276	0.3933	0.1147	68	0.64	1%	0
011.01	Loss on Drying, 135°C 2hr (%)	0651	9.568	0.0460	9.276	0.3933	0.1147	68	0.74	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0541	9.585	0.5700	9.276	0.3933	0.1147	68	0.78	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0682	9.600	0.0000	9.276	0.3933	0.1147	68	0.82	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0675	9.670	0.0400	9.276	0.3933	0.1147	68	1.00	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0066	9.675	0.1100	9.276	0.3933	0.1147	68	1.01	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0674	9.700	0.0000	9.276	0.3933	0.1147	68	1.08	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0202	9.715	0.0300	9.276	0.3933	0.1147	68	1.12	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	2184	9.720	0.0200	9.276	0.3933	0.1147	68	1.13	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0358	9.740	0.0800	9.276	0.3933	0.1147	68	1.18	2%	0
011.01	Loss on Drying, 135°C 2hr (%)	0265	9.800	0.0000	9.276	0.3933	0.1147	68	1.33	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0589	9.805	0.0500	9.276	0.3933	0.1147	68	1.34	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	0004	9.810	0.0800	9.276	0.3933	0.1147	68	1.36	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			
011.01	Loss on Drying, 135°C 2hr (%)	0263	9.900	0.1200	9.276	0.3933	0.1147	68	1.59	3%	0
011.01	Loss on Drying, 135°C 2hr (%)	2278	9.950	0.3000	9.276	0.3933	0.1147	68	1.71	4%	0
011.01	Loss on Drying, 135°C 2hr (%)	0843	10.24	0.4700	9.276	0.3933	0.1147	68	2.44	5%	0
011.01	Loss on Drying, 135°C 2hr (%)	2246	9.985	1.190	9.276	0.3933	0.1147	68	1.80	4%	1
011.02	Loss on Drying, 130°C for 2 hours (%)	0942	9.095	0.2700				1			0
011.99	Loss on Drying, High Temp. Methods Miscellaneous (%)	0857	9.150	0.1000				2			0
011.99	Loss on Drying, High Temp. Methods Miscellaneous (%)	0852	9.625	0.1100				2			0
012.00	Starch, Polarimetric (Ewers) (%)	0939	12.47	0.1600	13.66	0.6155	0.2246	16	-1.94	4%	0
012.00	Starch, Polarimetric (Ewers) (%)	2006	13.05	0.1500	13.66	0.6155	0.2246	16	-1.00	2%	0
012.00	Starch, Polarimetric (Ewers) (%)	0164	13.10	0.0000	13.66	0.6155	0.2246	16	-0.91	2%	0
012.00	Starch, Polarimetric (Ewers) (%)	2058	13.36	0.1100	13.66	0.6155	0.2246	16	-0.50	1%	0
012.00	Starch, Polarimetric (Ewers) (%)	0910	13.40	0.0000	13.66	0.6155	0.2246	16	-0.42	1%	0
012.00	Starch, Polarimetric (Ewers) (%)	2009	13.41	0.0530	13.66	0.6155	0.2246	16	-0.41	1%	0
012.00	Starch, Polarimetric (Ewers) (%)	2196	13.44	0.0000	13.66	0.6155	0.2246	16	-0.36	1%	0
012.00	Starch, Polarimetric (Ewers) (%)	0689	13.45	0.7000	13.66	0.6155	0.2246	16	-0.34	1%	0
012.00	Starch, Polarimetric (Ewers) (%)	0610	13.60	0.2000	13.66	0.6155	0.2246	16	-0.10	0%	0
012.00	Starch, Polarimetric (Ewers) (%)	0619	13.65	0.5000	13.66	0.6155	0.2246	16	-0.02	0%	0
012.00	Starch, Polarimetric (Ewers) (%)	2188	13.77	0.0000	13.66	0.6155	0.2246	16	0.18	0%	0
012.00	Starch, Polarimetric (Ewers) (%)	2181	13.86	0.1100	13.66	0.6155	0.2246	16	0.31	1%	0
012.00	Starch, Polarimetric (Ewers) (%)	0878	14.25	0.1000	13.66	0.6155	0.2246	16	0.96	2%	0
012.00	Starch, Polarimetric (Ewers) (%)	0354	14.45	0.2200	13.66	0.6155	0.2246	16	1.28	3%	0
012.00	Starch, Polarimetric (Ewers) (%)	0609	14.49	0.3700	13.66	0.6155	0.2246	16	1.34	3%	0
012.00	Starch, Polarimetric (Ewers) (%)	2192	15.46	0.9200	13.66	0.6155	0.2246	16	2.92	7%	0
012.00	Starch, Polarimetric (Ewers) (%)	2193	2.505	0.0900	13.66	0.6155	0.2246	16	-18.12	41%	2
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	0918	9.769	0.3590	13.29	1.025	0.3688	11	-3.43	13%	0
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	0676	12.44	0.1900	13.29	1.025	0.3688	11	-0.83	3%	0
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	0045	12.60	0.6000	13.29	1.025	0.3688	11	-0.67	3%	0
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	0870	12.92	0.1644	13.29	1.025	0.3688	11	-0.36	1%	0
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	0956	12.95	0.9000	13.29	1.025	0.3688	11	-0.33	1%	0
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	0148	13.35	0.1000	13.29	1.025	0.3688	11	0.06	0%	0
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	2242	13.42	0.0200	13.29	1.025	0.3688	11	0.13	1%	0
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	0164	13.60	0.8000	13.29	1.025	0.3688	11	0.31	1%	0
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	0693	13.72	0.8230	13.29	1.025	0.3688	11	0.42	2%	0
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	2089	14.59	0.1000	13.29	1.025	0.3688	11	1.27	5%	0
012.01	Starch, Enzymatic-Colorimetric Method (Megazyme) (%)	0265	19.50	0.0000	13.29	1.025	0.3688	11	6.06	23%	0
012.03	Starch, Enzymatic-Colorimetric Method, Miscellaneous (%)	0407	11.60	0.1877	13.15	1.171	0.4796	6	-1.33	6%	0
012.03	Starch, Enzymatic-Colorimetric Method, Miscellaneous (%)	0297	12.61	0.2500	13.15	1.171	0.4796	6	-0.47	2%	0
012.03	Starch, Enzymatic-Colorimetric Method, Miscellaneous (%)	0098	12.75	1.500	13.15	1.171	0.4796	6	-0.34	2%	0
012.03	Starch, Enzymatic-Colorimetric Method, Miscellaneous (%)	0889	13.65	0.3900	13.15	1.171	0.4796	6	0.42	2%	0
012.03	Starch, Enzymatic-Colorimetric Method, Miscellaneous (%)	0955	13.85	0.3000	13.15	1.171	0.4796	6	0.60	3%	0
012.03	Starch, Enzymatic-Colorimetric Method, Miscellaneous (%)	0066	14.47	0.2500	13.15	1.171	0.4796	6	1.12	5%	0
012.04	Starch, Enzymatic-Enzyme Membrane Technology (YSI) (	0278	11.25	0.3000	12.31	0.8393	0.2860	5			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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012.04	Starch, Enzymatic-Enzyme Membrane Technology (YSI) (	0510	11.65	0.5000	12.31	0.8393	0.2860	5			0
012.04	Starch, Enzymatic-Enzyme Membrane Technology (YSI) (	0353	12.46	0.0700	12.31	0.8393	0.2860	5			0
012.04	Starch, Enzymatic-Enzyme Membrane Technology (YSI) (	0208	12.95	0.5000	12.31	0.8393	0.2860	5			0
012.04	Starch, Enzymatic-Enzyme Membrane Technology (YSI) (	0948	13.22	0.0600	12.31	0.8393	0.2860	5			0
012.11	Starch, NIR (%)	0720	11.13	0.4800	16.36	3.892	0.4008	4			0
012.11	Starch, NIR (%)	0297	16.54	0.8300	16.36	3.892	0.4008	4			0
012.11	Starch, NIR (%)	0852	17.24	0.2000	16.36	3.892	0.4008	4			0
012.11	Starch, NIR (%)	2128	20.52	0.0930	16.36	3.892	0.4008	4			0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0504	1.130	0.2200	2.874	0.6932	0.0917	17	-2.52	30%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2146	1.770	0.1600	2.874	0.6932	0.0917	17	-1.59	19%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0083	2.220	0.0800	2.874	0.6932	0.0917	17	-0.94	11%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0689	2.350	0.1000	2.874	0.6932	0.0917	17	-0.76	9%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2073	2.480	0.0400	2.874	0.6932	0.0917	17	-0.57	7%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0884	2.750	0.1000	2.874	0.6932	0.0917	17	-0.18	2%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0910	2.840	0.0200	2.874	0.6932	0.0917	17	-0.05	1%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0652	2.850	0.1000	2.874	0.6932	0.0917	17	-0.03	0%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0229	2.860	0.0400	2.874	0.6932	0.0917	17	-0.02	0%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0618	2.884	0.0640	2.874	0.6932	0.0917	17	0.01	0%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0948	2.925	0.0700	2.874	0.6932	0.0917	17	0.07	1%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0309	2.943	0.1896	2.874	0.6932	0.0917	17	0.10	1%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2150	3.430	0.0600	2.874	0.6932	0.0917	17	0.80	10%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	2076	3.495	0.0047	2.874	0.6932	0.0917	17	0.90	11%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0541	3.500	0.0800	2.874	0.6932	0.0917	17	0.90	11%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0139	3.760	0.1000	2.874	0.6932	0.0917	17	1.28	15%	0
013.00	Fat, Acid Pretreat, Acid hydrolysis (%)	0202	3.905	0.1300	2.874	0.6932	0.0917	17	1.49	18%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0650	2.395	0.1900	3.396	0.4344	0.1165	17	-2.31	15%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0874	2.445	0.1300	3.396	0.4344	0.1165	17	-2.19	14%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0100	2.935	0.0700	3.396	0.4344	0.1165	17	-1.06	7%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0853	3.065	0.1700	3.396	0.4344	0.1165	17	-0.76	5%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0870	3.180	0.2600	3.396	0.4344	0.1165	17	-0.50	3%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0148	3.195	0.0100	3.396	0.4344	0.1165	17	-0.46	3%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0407	3.259	0.0800	3.396	0.4344	0.1165	17	-0.32	2%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0098	3.285	0.1900	3.396	0.4344	0.1165	17	-0.26	2%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0074	3.465	0.0900	3.396	0.4344	0.1165	17	0.16	1%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0164	3.485	0.0300	3.396	0.4344	0.1165	17	0.20	1%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0553	3.625	0.2500	3.396	0.4344	0.1165	17	0.53	3%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0682	3.680	0.0000	3.396	0.4344	0.1165	17	0.65	4%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0171	3.705	0.0100	3.396	0.4344	0.1165	17	0.71	5%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0675	3.755	0.0900	3.396	0.4344	0.1165	17	0.83	5%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0921	3.800	0.0200	3.396	0.4344	0.1165	17	0.93	6%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0354	3.870	0.0800	3.396	0.4344	0.1165	17	1.09	7%	0
013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	0676	3.945	0.3100	3.396	0.4344	0.1165	17	1.26	8%	0



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013.02	Fat, Acid Pretreat, Mojonnier, Bak Ext (%)	2259	4.255	1.213	3.396	0.4344	0.1165	17	1.98	13%	1
013.08	Fat, Base Pretreat, Roese-Gottlieb Modified (%)	0618	1.741	0.1066				1			0
013.10	Fat, Acid Pretreat, Soxtec-Acid Hydrolysis (%)	0720	2.195	0.1300	2.624	0.3997	0.0640	5			0
013.10	Fat, Acid Pretreat, Soxtec-Acid Hydrolysis (%)	0610	2.360	0.0400	2.624	0.3997	0.0640	5			0
013.10	Fat, Acid Pretreat, Soxtec-Acid Hydrolysis (%)	2196	2.530	0.0000	2.624	0.3997	0.0640	5			0
013.10	Fat, Acid Pretreat, Soxtec-Acid Hydrolysis (%)	0353	2.835	0.0700	2.624	0.3997	0.0640	5			0
013.10	Fat, Acid Pretreat, Soxtec-Acid Hydrolysis (%)	0939	3.200	0.0800	2.624	0.3997	0.0640	5			0
013.12	Fat, Acid Pretreat, NIR- Acid Hydrolysis (%)	2128	2.484	0.0922				2			0
013.12	Fat, Acid Pretreat, NIR- Acid Hydrolysis (%)	0720	3.120	0.0200				2			0
013.13	Fat, Acid Pretreat, Ankom- Acid Hydrolysis (%)	0968	2.285	0.5410	3.257	0.4715	0.2759	6	-2.06	15%	0
013.13	Fat, Acid Pretreat, Ankom- Acid Hydrolysis (%)	0265	3.060	0.0800	3.257	0.4715	0.2759	6	-0.42	3%	0
013.13	Fat, Acid Pretreat, Ankom- Acid Hydrolysis (%)	0581	3.295	0.1500	3.257	0.4715	0.2759	6	0.08	1%	0
013.13	Fat, Acid Pretreat, Ankom- Acid Hydrolysis (%)	0843	3.330	0.4600	3.257	0.4715	0.2759	6	0.16	1%	0
013.13	Fat, Acid Pretreat, Ankom- Acid Hydrolysis (%)	0407	3.607	0.3041	3.257	0.4715	0.2759	6	0.74	5%	0
013.13	Fat, Acid Pretreat, Ankom- Acid Hydrolysis (%)	0955	3.700	0.1200	3.257	0.4715	0.2759	6	0.94	7%	0
013.99	Fat, Acid Pretreat, Pretreatment, Misc (%)	0160	3.150	0.1000				1			0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0049	230.9	17.90	265.6	22.17	15.16	5			0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0171	265.0	3.750	265.6	22.17	15.16	5			0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0407	268.8	35.13	265.6	22.17	15.16	5			0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0520	271.0	6.000	265.6	22.17	15.16	5			0
015.41	Aluminum, ICP, Dry ash (mg / kg (ppm))	0164	292.5	13.00	265.6	22.17	15.16	5			0
015.42	Aluminum, ICP, Open vessel (mg / kg (ppm))	0560	280.1	13.80				1			0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0918	216.6	0.6910	250.3	24.66	11.13	8	-1.36	7%	0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0510	237.0	4.000	250.3	24.66	11.13	8	-0.54	3%	0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0169	240.0	4.000	250.3	24.66	11.13	8	-0.42	2%	0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0425	243.1	3.500	250.3	24.66	11.13	8	-0.29	1%	0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0353	251.5	23.00	250.3	24.66	11.13	8	0.05	0%	0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0345	252.9	9.600	250.3	24.66	11.13	8	0.11	1%	0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0407	278.5	19.28	250.3	24.66	11.13	8	1.14	6%	0
015.43	Aluminum, ICP, Microwave (mg / kg (ppm))	0297	282.5	25.00	250.3	24.66	11.13	8	1.31	6%	0
015.52	Aluminum, ICP-MS, Open vessel (mg / kg (ppm))	0186	196.0	14.00				1			0
015.53	Aluminum, ICP-MS, Microwave (mg / kg (ppm))	0553	270.0	2.000				2			0
015.53	Aluminum, ICP-MS, Microwave (mg / kg (ppm))	0939	336.0	24.00				2			0
017.41	Boron, ICP, Dry ash (mg / kg (ppm))	0229	1.370	0.6400	6.481	3.048	0.2861	5			0
017.41	Boron, ICP, Dry ash (mg / kg (ppm))	0358	6.145	0.0700	6.481	3.048	0.2861	5			0
017.41	Boron, ICP, Dry ash (mg / kg (ppm))	0407	7.511	0.0603	6.481	3.048	0.2861	5			0
017.41	Boron, ICP, Dry ash (mg / kg (ppm))	0226	8.450	0.1000	6.481	3.048	0.2861	5			0
017.41	Boron, ICP, Dry ash (mg / kg (ppm))	0049	8.930	0.5600	6.481	3.048	0.2861	5			0
017.42	Boron, ICP, Open vessel (mg / kg (ppm))	0560	6.270	0.0000	6.746	0.4065	0.2480	4			0
017.42	Boron, ICP, Open vessel (mg / kg (ppm))	0265	6.565	0.7900	6.746	0.4065	0.2480	4			0
017.42	Boron, ICP, Open vessel (mg / kg (ppm))	0045	6.975	0.0500	6.746	0.4065	0.2480	4			0
017.42	Boron, ICP, Open vessel (mg / kg (ppm))	0693	7.175	0.1520	6.746	0.4065	0.2480	4			0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
017.42	Boron, ICP, Open vessel (mg / kg (ppm))	0294	10.53	0.3400	6.746	0.4065	0.2480	4			2
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0345	7.240	0.1200	8.280	0.9480	0.3700	6	-1.10	6%	0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0407	7.680	0.9000	8.280	0.9480	0.3700	6	-0.63	4%	0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0918	8.110	0.1000	8.280	0.9480	0.3700	6	-0.18	1%	0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0083	8.150	0.1000	8.280	0.9480	0.3700	6	-0.14	1%	0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0510	9.000	0.0000	8.280	0.9480	0.3700	6	0.76	4%	0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0353	9.500	1.000	8.280	0.9480	0.3700	6	1.29	7%	0
017.43	Boron, ICP, Microwave (mg / kg (ppm))	0297	0.0000	0.0000	8.280	0.9480	0.3700	6			4
017.44	Boron, ICP, Dry ash (mg / kg (ppm))	0405	7.873	0.0280				1			0
017.53	Boron, ICP-MS, Microwave (mg / kg (ppm))	0553	9.010	0.0600				1			0
019.00	Calcium, Ox-Mn04 Vol. (%)	2109	3.058	0.0350	3.227	0.1672	0.0384	10	-1.01	3%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0897	3.060	0.0200	3.227	0.1672	0.0384	10	-1.00	3%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	2246	3.095	0.0900	3.227	0.1672	0.0384	10	-0.79	2%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0878	3.160	0.0400	3.227	0.1672	0.0384	10	-0.40	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0881	3.169	0.0570	3.227	0.1672	0.0384	10	-0.35	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0651	3.200	0.0000	3.227	0.1672	0.0384	10	-0.16	0%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	2144	3.300	0.0400	3.227	0.1672	0.0384	10	0.44	1%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	2181	3.375	0.0500	3.227	0.1672	0.0384	10	0.88	2%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	2006	3.378	0.0020	3.227	0.1672	0.0384	10	0.90	2%	0
019.00	Calcium, Ox-Mn04 Vol. (%)	0043	3.500	0.0500	3.227	0.1672	0.0384	10	1.63	4%	0
019.02	Calcium, Hach Method (%)	0536	3.015	0.0300				2			0
019.02	Calcium, Hach Method (%)	2128	3.189	0.1880				2			0
019.03	Calcium, Semiauto (Autoanalyzer) (%)	0036	2.965	0.1350				1			0
019.08	Calcium, EDTA (%)	0852	2.200	0.0000	3.202	0.1970	0.0348	11	-5.08	16%	0
019.08	Calcium, EDTA (%)	2199	2.940	0.1200	3.202	0.1970	0.0348	11	-1.33	4%	0
019.08	Calcium, EDTA (%)	2188	3.100	0.0000	3.202	0.1970	0.0348	11	-0.52	2%	0
019.08	Calcium, EDTA (%)	0590	3.125	0.0300	3.202	0.1970	0.0348	11	-0.39	1%	0
019.08	Calcium, EDTA (%)	0849	3.153	0.0150	3.202	0.1970	0.0348	11	-0.25	1%	0
019.08	Calcium, EDTA (%)	2190	3.259	0.0914	3.202	0.1970	0.0348	11	0.29	1%	0
019.08	Calcium, EDTA (%)	0885	3.277	0.0744	3.202	0.1970	0.0348	11	0.38	1%	0
019.08	Calcium, EDTA (%)	2196	3.310	0.0000	3.202	0.1970	0.0348	11	0.55	2%	0
019.08	Calcium, EDTA (%)	2009	3.334	0.0016	3.202	0.1970	0.0348	11	0.67	2%	0
019.08	Calcium, EDTA (%)	0689	3.360	0.0400	3.202	0.1970	0.0348	11	0.80	2%	0
019.08	Calcium, EDTA (%)	2193	3.455	0.0100	3.202	0.1970	0.0348	11	1.29	4%	0
019.31	Calcium, AAS, Dry ash (%)	0018	2.800	0.0200	3.276	0.2259	0.0772	24	-2.11	7%	0
019.31	Calcium, AAS, Dry ash (%)	2248	2.918	0.0000	3.276	0.2259	0.0772	24	-1.58	5%	0
019.31	Calcium, AAS, Dry ash (%)	0884	3.000	0.0200	3.276	0.2259	0.0772	24	-1.22	4%	0
019.31	Calcium, AAS, Dry ash (%)	2246	3.010	0.0200	3.276	0.2259	0.0772	24	-1.18	4%	0
019.31	Calcium, AAS, Dry ash (%)	0038	3.048	0.0480	3.276	0.2259	0.0772	24	-1.01	3%	0
019.31	Calcium, AAS, Dry ash (%)	0948	3.133	0.0050	3.276	0.2259	0.0772	24	-0.64	2%	0
019.31	Calcium, AAS, Dry ash (%)	0175	3.150	0.0200	3.276	0.2259	0.0772	24	-0.56	2%	0
019.31	Calcium, AAS, Dry ash (%)	0208	3.165	0.1220	3.276	0.2259	0.0772	24	-0.49	2%	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	
019.31	Calcium, AAS, Dry ash (%)	0108	3.235	0.0500	3.276	0.2259	0.0772	24	-0.18	1%	0
019.31	Calcium, AAS, Dry ash (%)	0674	3.250	0.0000	3.276	0.2259	0.0772	24	-0.12	0%	0
019.31	Calcium, AAS, Dry ash (%)	0536	3.260	0.3400	3.276	0.2259	0.0772	24	-0.07	0%	0
019.31	Calcium, AAS, Dry ash (%)	0874	3.290	0.0600	3.276	0.2259	0.0772	24	0.06	0%	0
019.31	Calcium, AAS, Dry ash (%)	0687	3.300	0.2000	3.276	0.2259	0.0772	24	0.11	0%	0
019.31	Calcium, AAS, Dry ash (%)	0868	3.320	0.0400	3.276	0.2259	0.0772	24	0.19	1%	0
019.31	Calcium, AAS, Dry ash (%)	2196	3.320	0.0000	3.276	0.2259	0.0772	24	0.19	1%	0
019.31	Calcium, AAS, Dry ash (%)	2022	3.390	0.0200	3.276	0.2259	0.0772	24	0.50	2%	0
019.31	Calcium, AAS, Dry ash (%)	2097	3.408	0.0172	3.276	0.2259	0.0772	24	0.58	2%	0
019.31	Calcium, AAS, Dry ash (%)	0001	3.409	0.2050	3.276	0.2259	0.0772	24	0.59	2%	0
019.31	Calcium, AAS, Dry ash (%)	0142	3.413	0.2961	3.276	0.2259	0.0772	24	0.61	2%	0
019.31	Calcium, AAS, Dry ash (%)	2258	3.415	0.0500	3.276	0.2259	0.0772	24	0.62	2%	0
019.31	Calcium, AAS, Dry ash (%)	0939	3.430	0.0800	3.276	0.2259	0.0772	24	0.68	2%	0
019.31	Calcium, AAS, Dry ash (%)	0529	3.595	0.1300	3.276	0.2259	0.0772	24	1.41	5%	0
019.31	Calcium, AAS, Dry ash (%)	2146	3.595	0.1100	3.276	0.2259	0.0772	24	1.41	5%	0
019.31	Calcium, AAS, Dry ash (%)	2198	3.710	0.0000	3.276	0.2259	0.0772	24	1.92	7%	0
019.31	Calcium, AAS, Dry ash (%)	0921	3.075	0.6901	3.276	0.2259	0.0772	24	-0.89	3%	1
019.32	Calcium, AAS, Open vessel (%)	0169	3.375	0.0100				2			0
019.32	Calcium, AAS, Open vessel (%)	0609	4.610	0.0200				2			0
019.33	Calcium, AAS, Microwave (%)	0612	3.310	0.0400				1			0
019.41	Calcium, ICP, Dry ash (%)	0848	2.890	0.0000	3.217	0.1908	0.0794	35	-1.71	5%	0
019.41	Calcium, ICP, Dry ash (%)	0298	2.920	0.0200	3.217	0.1908	0.0794	35	-1.56	5%	0
019.41	Calcium, ICP, Dry ash (%)	0171	2.935	0.0100	3.217	0.1908	0.0794	35	-1.48	4%	0
019.41	Calcium, ICP, Dry ash (%)	0004	2.970	0.1200	3.217	0.1908	0.0794	35	-1.29	4%	0
019.41	Calcium, ICP, Dry ash (%)	0123	3.005	0.1300	3.217	0.1908	0.0794	35	-1.11	3%	0
019.41	Calcium, ICP, Dry ash (%)	0066	3.015	0.0700	3.217	0.1908	0.0794	35	-1.06	3%	0
019.41	Calcium, ICP, Dry ash (%)	0144	3.060	0.0200	3.217	0.1908	0.0794	35	-0.82	2%	0
019.41	Calcium, ICP, Dry ash (%)	0229	3.060	0.1200	3.217	0.1908	0.0794	35	-0.82	2%	0
019.41	Calcium, ICP, Dry ash (%)	0511	3.085	0.2300	3.217	0.1908	0.0794	35	-0.69	2%	0
019.41	Calcium, ICP, Dry ash (%)	2012	3.095	0.0300	3.217	0.1908	0.0794	35	-0.64	2%	0
019.41	Calcium, ICP, Dry ash (%)	0878	3.115	0.0500	3.217	0.1908	0.0794	35	-0.53	2%	0
019.41	Calcium, ICP, Dry ash (%)	0354	3.125	0.0100	3.217	0.1908	0.0794	35	-0.48	1%	0
019.41	Calcium, ICP, Dry ash (%)	0405	3.136	0.0240	3.217	0.1908	0.0794	35	-0.42	1%	0
019.41	Calcium, ICP, Dry ash (%)	0910	3.170	0.1200	3.217	0.1908	0.0794	35	-0.24	1%	0
019.41	Calcium, ICP, Dry ash (%)	2259	3.174	0.1210	3.217	0.1908	0.0794	35	-0.23	1%	0
019.41	Calcium, ICP, Dry ash (%)	0049	3.180	0.2000	3.217	0.1908	0.0794	35	-0.19	1%	0
019.41	Calcium, ICP, Dry ash (%)	0653	3.204	0.0060	3.217	0.1908	0.0794	35	-0.07	0%	0
019.41	Calcium, ICP, Dry ash (%)	0003	3.250	0.0200	3.217	0.1908	0.0794	35	0.17	1%	0
019.41	Calcium, ICP, Dry ash (%)	0139	3.275	0.0900	3.217	0.1908	0.0794	35	0.31	1%	0
019.41	Calcium, ICP, Dry ash (%)	0520	3.275	0.2100	3.217	0.1908	0.0794	35	0.31	1%	0
019.41	Calcium, ICP, Dry ash (%)	2018	3.290	0.1000	3.217	0.1908	0.0794	35	0.38	1%	0
019.41	Calcium, ICP, Dry ash (%)	0695	3.292	0.0990	3.217	0.1908	0.0794	35	0.39	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	
019.41	Calcium, ICP, Dry ash (%)	0598	3.295	0.0150	3.217	0.1908	0.0794	35	0.41	1%	0
019.41	Calcium, ICP, Dry ash (%)	0226	3.295	0.3100	3.217	0.1908	0.0794	35	0.41	1%	0
019.41	Calcium, ICP, Dry ash (%)	0685	3.305	0.0300	3.217	0.1908	0.0794	35	0.46	1%	0
019.41	Calcium, ICP, Dry ash (%)	0720	3.335	0.0100	3.217	0.1908	0.0794	35	0.62	2%	0
019.41	Calcium, ICP, Dry ash (%)	0148	3.345	0.0700	3.217	0.1908	0.0794	35	0.67	2%	0
019.41	Calcium, ICP, Dry ash (%)	0164	3.365	0.1300	3.217	0.1908	0.0794	35	0.78	2%	0
019.41	Calcium, ICP, Dry ash (%)	0074	3.375	0.1700	3.217	0.1908	0.0794	35	0.83	2%	0
019.41	Calcium, ICP, Dry ash (%)	0098	3.375	0.0100	3.217	0.1908	0.0794	35	0.83	2%	0
019.41	Calcium, ICP, Dry ash (%)	0208	3.384	0.1200	3.217	0.1908	0.0794	35	0.88	3%	0
019.41	Calcium, ICP, Dry ash (%)	0019	3.430	0.0000	3.217	0.1908	0.0794	35	1.12	3%	0
019.41	Calcium, ICP, Dry ash (%)	0619	3.635	0.0100	3.217	0.1908	0.0794	35	2.19	7%	0
019.41	Calcium, ICP, Dry ash (%)	0407	3.669	0.0730	3.217	0.1908	0.0794	35	2.37	7%	0
019.41	Calcium, ICP, Dry ash (%)	0358	3.815	0.0300	3.217	0.1908	0.0794	35	3.14	9%	0
019.42	Calcium, ICP, Open vessel (%)	0026	2.716	0.1670	3.231	0.2155	0.0969	21	-2.39	8%	0
019.42	Calcium, ICP, Open vessel (%)	0294	2.910	0.0800	3.231	0.2155	0.0969	21	-1.49	5%	0
019.42	Calcium, ICP, Open vessel (%)	2053	3.050	0.1000	3.231	0.2155	0.0969	21	-0.84	3%	0
019.42	Calcium, ICP, Open vessel (%)	2129	3.050	0.4200	3.231	0.2155	0.0969	21	-0.84	3%	0
019.42	Calcium, ICP, Open vessel (%)	0366	3.070	0.1600	3.231	0.2155	0.0969	21	-0.75	2%	0
019.42	Calcium, ICP, Open vessel (%)	0042	3.100	0.3400	3.231	0.2155	0.0969	21	-0.61	2%	0
019.42	Calcium, ICP, Open vessel (%)	0263	3.101	0.0460	3.231	0.2155	0.0969	21	-0.60	2%	0
019.42	Calcium, ICP, Open vessel (%)	0265	3.145	0.0300	3.231	0.2155	0.0969	21	-0.40	1%	0
019.42	Calcium, ICP, Open vessel (%)	0357	3.169	0.1090	3.231	0.2155	0.0969	21	-0.28	1%	0
019.42	Calcium, ICP, Open vessel (%)	2259	3.177	0.0450	3.231	0.2155	0.0969	21	-0.25	1%	0
019.42	Calcium, ICP, Open vessel (%)	0278	3.210	0.0400	3.231	0.2155	0.0969	21	-0.10	0%	0
019.42	Calcium, ICP, Open vessel (%)	0035	3.235	0.0300	3.231	0.2155	0.0969	21	0.02	0%	0
019.42	Calcium, ICP, Open vessel (%)	0870	3.297	0.0190	3.231	0.2155	0.0969	21	0.31	1%	0
019.42	Calcium, ICP, Open vessel (%)	0693	3.327	0.1870	3.231	0.2155	0.0969	21	0.45	1%	0
019.42	Calcium, ICP, Open vessel (%)	0726	3.355	0.0020	3.231	0.2155	0.0969	21	0.58	2%	0
019.42	Calcium, ICP, Open vessel (%)	0037	3.364	0.0690	3.231	0.2155	0.0969	21	0.62	2%	0
019.42	Calcium, ICP, Open vessel (%)	0186	3.370	0.0000	3.231	0.2155	0.0969	21	0.65	2%	0
019.42	Calcium, ICP, Open vessel (%)	0560	3.398	0.0300	3.231	0.2155	0.0969	21	0.78	3%	0
019.42	Calcium, ICP, Open vessel (%)	0045	3.500	0.1400	3.231	0.2155	0.0969	21	1.25	4%	0
019.42	Calcium, ICP, Open vessel (%)	0190	3.610	0.0200	3.231	0.2155	0.0969	21	1.76	6%	0
019.42	Calcium, ICP, Open vessel (%)	0187	3.720	0.0000	3.231	0.2155	0.0969	21	2.27	8%	0
019.43	Calcium, ICP, Microwave (%)	0038	2.738	0.0370	3.174	0.1910	0.0852	28	-2.29	7%	0
019.43	Calcium, ICP, Microwave (%)	0036	2.778	0.1689	3.174	0.1910	0.0852	28	-2.07	6%	0
019.43	Calcium, ICP, Microwave (%)	0505	2.815	0.0500	3.174	0.1910	0.0852	28	-1.88	6%	0
019.43	Calcium, ICP, Microwave (%)	0610	2.895	0.0300	3.174	0.1910	0.0852	28	-1.46	4%	0
019.43	Calcium, ICP, Microwave (%)	0043	2.914	0.2805	3.174	0.1910	0.0852	28	-1.36	4%	0
019.43	Calcium, ICP, Microwave (%)	0425	3.075	0.0100	3.174	0.1910	0.0852	28	-0.52	2%	0
019.43	Calcium, ICP, Microwave (%)	0017	3.104	0.0370	3.174	0.1910	0.0852	28	-0.37	1%	0
019.43	Calcium, ICP, Microwave (%)	0035	3.110	0.0400	3.174	0.1910	0.0852	28	-0.34	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	
019.43	Calcium, ICP, Microwave (%)	0510	3.140	0.0600	3.174	0.1910	0.0852	28	-0.18	1%	0
019.43	Calcium, ICP, Microwave (%)	0860	3.141	0.0000	3.174	0.1910	0.0852	28	-0.17	1%	0
019.43	Calcium, ICP, Microwave (%)	0675	3.150	0.0200	3.174	0.1910	0.0852	28	-0.13	0%	0
019.43	Calcium, ICP, Microwave (%)	2192	3.155	0.0100	3.174	0.1910	0.0852	28	-0.10	0%	0
019.43	Calcium, ICP, Microwave (%)	0006	3.159	0.0240	3.174	0.1910	0.0852	28	-0.08	0%	0
019.43	Calcium, ICP, Microwave (%)	0297	3.160	0.5000	3.174	0.1910	0.0852	28	-0.07	0%	0
019.43	Calcium, ICP, Microwave (%)	0202	3.170	0.0600	3.174	0.1910	0.0852	28	-0.02	0%	0
019.43	Calcium, ICP, Microwave (%)	0345	3.170	0.0600	3.174	0.1910	0.0852	28	-0.02	0%	0
019.43	Calcium, ICP, Microwave (%)	0508	3.175	0.1811	3.174	0.1910	0.0852	28	0.00	0%	0
019.43	Calcium, ICP, Microwave (%)	0682	3.190	0.0000	3.174	0.1910	0.0852	28	0.08	0%	0
019.43	Calcium, ICP, Microwave (%)	0033	3.255	0.0900	3.174	0.1910	0.0852	28	0.42	1%	0
019.43	Calcium, ICP, Microwave (%)	0918	3.267	0.0290	3.174	0.1910	0.0852	28	0.48	1%	0
019.43	Calcium, ICP, Microwave (%)	0083	3.300	0.0400	3.174	0.1910	0.0852	28	0.66	2%	0
019.43	Calcium, ICP, Microwave (%)	2089	3.305	0.1100	3.174	0.1910	0.0852	28	0.69	2%	0
019.43	Calcium, ICP, Microwave (%)	0668	3.340	0.0200	3.174	0.1910	0.0852	28	0.87	3%	0
019.43	Calcium, ICP, Microwave (%)	0089	3.370	0.0000	3.174	0.1910	0.0852	28	1.03	3%	0
019.43	Calcium, ICP, Microwave (%)	0968	3.380	0.0160	3.174	0.1910	0.0852	28	1.08	3%	0
019.43	Calcium, ICP, Microwave (%)	0027	3.406	0.1920	3.174	0.1910	0.0852	28	1.21	4%	0
019.43	Calcium, ICP, Microwave (%)	0407	3.440	0.1010	3.174	0.1910	0.0852	28	1.39	4%	0
019.43	Calcium, ICP, Microwave (%)	0098	3.440	0.2200	3.174	0.1910	0.0852	28	1.39	4%	0
019.43	Calcium, ICP, Microwave (%)	0353	3.295	0.6100	3.174	0.1910	0.0852	28	0.63	2%	1
019.44	Calcium, ICP, Dry ash (%)	2152	3.280	0.0400				1			0
019.51	Calcium, ICP-MS, Dry ash (%)	2146	3.580	0.2000				1			0
019.52	Calcium, ICP-MS, Open vessel (%)	0154	3.106	0.0377				2			0
019.52	Calcium, ICP-MS, Open vessel (%)	0186	3.335	0.0700				2			0
019.53	Calcium, ICP-MS, Microwave (%)	0939	3.125	0.2900				3			0
019.53	Calcium, ICP-MS, Microwave (%)	0553	3.220	0.0200				3			0
019.53	Calcium, ICP-MS, Microwave (%)	0572	3.245	0.1900				3			0
019.99	Calcium, Miscellaneous (%)	0676	3.095	0.0900				2			0
019.99	Calcium, Miscellaneous (%)	0100	3.645	0.2700				2			0
021.31	Cobalt, AAS, Dry ash (mg / kg (ppm))	2248	2.510	0.0000	3.716	0.9378	0.2275	4			0
021.31	Cobalt, AAS, Dry ash (mg / kg (ppm))	0164	3.750	0.3000	3.716	0.9378	0.2275	4			0
021.31	Cobalt, AAS, Dry ash (mg / kg (ppm))	0208	3.805	0.3100	3.716	0.9378	0.2275	4			0
021.31	Cobalt, AAS, Dry ash (mg / kg (ppm))	0939	4.800	0.3000	3.716	0.9378	0.2275	4			0
021.41	Cobalt, ICP, Dry ash (mg / kg (ppm))	0619	2.255	0.0300	3.204	0.7162	0.1108	4			0
021.41	Cobalt, ICP, Dry ash (mg / kg (ppm))	0171	3.147	0.1090	3.204	0.7162	0.1108	4			0
021.41	Cobalt, ICP, Dry ash (mg / kg (ppm))	0407	3.456	0.0840	3.204	0.7162	0.1108	4			0
021.41	Cobalt, ICP, Dry ash (mg / kg (ppm))	0148	3.960	0.2200	3.204	0.7162	0.1108	4			0
021.42	Cobalt, ICP, Open vessel (mg / kg (ppm))	0693	2.382	0.0740	2.822	0.3966	0.0610	4			0
021.42	Cobalt, ICP, Open vessel (mg / kg (ppm))	2053	2.600	0.0000	2.822	0.3966	0.0610	4			0
021.42	Cobalt, ICP, Open vessel (mg / kg (ppm))	0045	3.080	0.1600	2.822	0.3966	0.0610	4			0
021.42	Cobalt, ICP, Open vessel (mg / kg (ppm))	0560	3.225	0.0100	2.822	0.3966	0.0610	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			
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0345	2.775	0.0500	3.466	0.5250	0.2324	5			0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0038	3.377	0.2230	3.466	0.5250	0.2324	5			0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0169	3.395	0.1900	3.466	0.5250	0.2324	5			0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0407	3.539	0.6490	3.466	0.5250	0.2324	5			0
021.43	Cobalt, ICP, Microwave (mg / kg (ppm))	0510	4.245	0.0500	3.466	0.5250	0.2324	5			0
021.52	Cobalt, ICP-MS, Open vessel (mg / kg (ppm))	0186	2.685	0.1100				1			0
021.53	Cobalt, ICP-MS, Microwave (mg / kg (ppm))	0918	2.805	0.0038				3			0
021.53	Cobalt, ICP-MS, Microwave (mg / kg (ppm))	0939	3.755	0.4100				3			0
021.53	Cobalt, ICP-MS, Microwave (mg / kg (ppm))	0553	3.760	0.0600				3			0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	2188	4.745	0.5300	8.859	1.659	0.6225	12	-2.48	23%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	2248	6.700	0.0000	8.859	1.659	0.6225	12	-1.30	12%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0689	8.300	2.600	8.859	1.659	0.6225	12	-0.34	3%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0208	8.320	0.7000	8.859	1.659	0.6225	12	-0.32	3%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0868	8.500	1.000	8.859	1.659	0.6225	12	-0.22	2%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0939	8.500	0.1000	8.859	1.659	0.6225	12	-0.22	2%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	2196	8.900	0.0000	8.859	1.659	0.6225	12	0.02	0%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0884	9.400	0.2000	8.859	1.659	0.6225	12	0.33	3%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	2062	9.470	0.3000	8.859	1.659	0.6225	12	0.37	3%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0529	9.500	0.0000	8.859	1.659	0.6225	12	0.39	4%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0175	11.00	2.000	8.859	1.659	0.6225	12	1.29	12%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	2097	13.36	0.0400	8.859	1.659	0.6225	12	2.71	25%	0
022.31	Copper, AAS, Dry ash (mg / kg (ppm))	0536	376.1	3.700	8.859	1.659	0.6225	12	221.36	2072%	2
022.32	Copper, AAS, Open vessel (mg / kg (ppm))	0038	7.875	0.9500				3			0
022.32	Copper, AAS, Open vessel (mg / kg (ppm))	2128	9.584	2.221				3			0
022.32	Copper, AAS, Open vessel (mg / kg (ppm))	0609	77.00	10.30				3			0
022.34	Copper, AAS, Graphite furnace (mg / kg (ppm))	2246	3.940	0.9600				1			0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0520	5.500	1.000	7.950	1.956	0.8255	24	-1.25	15%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0848	5.570	0.0600	7.950	1.956	0.8255	24	-1.22	15%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0229	5.580	0.4200	7.950	1.956	0.8255	24	-1.21	15%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0164	5.950	0.1000	7.950	1.956	0.8255	24	-1.02	13%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0098	6.245	0.4900	7.950	1.956	0.8255	24	-0.87	11%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0004	6.300	2.000	7.950	1.956	0.8255	24	-0.84	10%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0171	6.445	0.6100	7.950	1.956	0.8255	24	-0.77	9%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0511	6.500	1.000	7.950	1.956	0.8255	24	-0.74	9%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0878	6.975	0.3300	7.950	1.956	0.8255	24	-0.50	6%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0407	7.387	0.7400	7.950	1.956	0.8255	24	-0.29	4%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0619	7.815	0.0100	7.950	1.956	0.8255	24	-0.07	1%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0074	8.000	2.000	7.950	1.956	0.8255	24	0.03	0%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0019	8.190	0.3000	7.950	1.956	0.8255	24	0.12	2%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0598	8.455	0.8700	7.950	1.956	0.8255	24	0.26	3%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0208	8.569	0.2580	7.950	1.956	0.8255	24	0.32	4%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0049	8.625	0.0900	7.950	1.956	0.8255	24	0.35	4%	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	
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0354	8.635	0.2700	7.950	1.956	0.8255	24	0.35	4%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0405	8.834	0.4150	7.950	1.956	0.8255	24	0.45	6%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0720	9.225	1.150	7.950	1.956	0.8255	24	0.65	8%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0148	9.265	0.8300	7.950	1.956	0.8255	24	0.67	8%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0226	10.29	0.1500	7.950	1.956	0.8255	24	1.19	15%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0358	10.68	0.1900	7.950	1.956	0.8255	24	1.39	17%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	2012	11.65	2.530	7.950	1.956	0.8255	24	1.89	23%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0003	13.00	4.000	7.950	1.956	0.8255	24	2.58	32%	0
022.41	Copper, ICP, Dry ash (mg / kg (ppm))	0910	11.00	6.000	7.950	1.956	0.8255	24	1.56	19%	1
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0026	4.901	1.173	10.03	2.257	0.8868	19	-2.27	26%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0045	7.940	0.4200	10.03	2.257	0.8868	19	-0.93	10%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0265	8.020	0.0800	10.03	2.257	0.8868	19	-0.89	10%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0294	8.250	0.1000	10.03	2.257	0.8868	19	-0.79	9%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0263	8.640	0.0400	10.03	2.257	0.8868	19	-0.62	7%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0870	8.702	0.2550	10.03	2.257	0.8868	19	-0.59	7%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0560	9.000	0.4000	10.03	2.257	0.8868	19	-0.46	5%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0693	9.205	0.6660	10.03	2.257	0.8868	19	-0.37	4%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0357	9.332	0.0390	10.03	2.257	0.8868	19	-0.31	3%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0190	9.370	0.2800	10.03	2.257	0.8868	19	-0.29	3%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0726	9.640	0.0570	10.03	2.257	0.8868	19	-0.17	2%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0685	10.14	0.3900	10.03	2.257	0.8868	19	0.05	1%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0035	10.50	1.000	10.03	2.257	0.8868	19	0.21	2%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0186	11.00	0.0000	10.03	2.257	0.8868	19	0.43	5%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0037	12.20	5.600	10.03	2.257	0.8868	19	0.96	11%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0278	12.50	0.6000	10.03	2.257	0.8868	19	1.09	12%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0042	12.65	5.300	10.03	2.257	0.8868	19	1.16	13%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	2053	15.80	0.2000	10.03	2.257	0.8868	19	2.56	29%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0187	17.83	0.2500	10.03	2.257	0.8868	19	3.45	39%	0
022.42	Copper, ICP, Open vessel (mg / kg (ppm))	0366	13.00	8.000	10.03	2.257	0.8868	19	1.32	15%	1
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0066	6.435	0.1500	9.089	1.335	0.3538	23	-1.99	15%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0668	7.385	0.5700	9.089	1.335	0.3538	23	-1.28	9%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0345	7.525	0.1500	9.089	1.335	0.3538	23	-1.17	9%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0098	7.640	0.7000	9.089	1.335	0.3538	23	-1.09	8%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0505	7.895	0.5100	9.089	1.335	0.3538	23	-0.89	7%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0169	8.125	0.0300	9.089	1.335	0.3538	23	-0.72	5%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0017	8.403	1.539	9.089	1.335	0.3538	23	-0.51	4%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0968	8.500	1.000	9.089	1.335	0.3538	23	-0.44	3%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0407	8.533	0.8440	9.089	1.335	0.3538	23	-0.42	3%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0508	8.723	0.4237	9.089	1.335	0.3538	23	-0.27	2%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0035	9.000	0.0000	9.089	1.335	0.3538	23	-0.07	0%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0510	9.000	0.0000	9.089	1.335	0.3538	23	-0.07	0%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0610	9.000	0.0000	9.089	1.335	0.3538	23	-0.07	0%	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	
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0918	9.585	0.0300	9.089	1.335	0.3538	23	0.37	3%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0038	9.600	0.2870	9.089	1.335	0.3538	23	0.38	3%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0083	10.00	0.0000	9.089	1.335	0.3538	23	0.68	5%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0297	10.00	0.0000	9.089	1.335	0.3538	23	0.68	5%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0353	10.00	0.0000	9.089	1.335	0.3538	23	0.68	5%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0675	10.13	0.9200	9.089	1.335	0.3538	23	0.78	6%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0027	10.34	0.2730	9.089	1.335	0.3538	23	0.94	7%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0682	10.40	0.0000	9.089	1.335	0.3538	23	0.98	7%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	0202	11.41	0.4400	9.089	1.335	0.3538	23	1.74	13%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	2192	14.20	0.2700	9.089	1.335	0.3538	23	3.83	28%	0
022.43	Copper, ICP, Microwave (mg / kg (ppm))	2089	13.91	3.150	9.089	1.335	0.3538	23	3.61	26%	1
022.52	Copper, ICP-MS, Open vessel (mg / kg (ppm))	0186	8.640	0.2800				1			0
022.53	Copper, ICP-MS, Microwave (mg / kg (ppm))	0572	8.570	0.9200				3			0
022.53	Copper, ICP-MS, Microwave (mg / kg (ppm))	0553	8.750	0.2000				3			0
022.53	Copper, ICP-MS, Microwave (mg / kg (ppm))	0939	9.295	0.0500				3			0
022.99	Copper, Miscellaneous (mg / kg (ppm))	0590	5.635	0.3500				3			0
022.99	Copper, Miscellaneous (mg / kg (ppm))	2129	6.490	0.1200				3			0
022.99	Copper, Miscellaneous (mg / kg (ppm))	0100	8.800	0.8200				3			0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	2188	103.0	12.00	619.2	173.6	13.33	14	-2.97	42%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	2246	248.4	0.0000	619.2	173.6	13.33	14	-2.14	30%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	2248	473.2	0.0000	619.2	173.6	13.33	14	-0.84	12%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0536	539.7	20.35	619.2	173.6	13.33	14	-0.46	6%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0689	543.1	42.20	619.2	173.6	13.33	14	-0.44	6%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0505	587.4	25.40	619.2	173.6	13.33	14	-0.18	3%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0038	625.5	13.00	619.2	173.6	13.33	14	0.04	1%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0874	654.0	10.00	619.2	173.6	13.33	14	0.20	3%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0939	677.0	24.00	619.2	173.6	13.33	14	0.33	5%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0868	715.5	13.00	619.2	173.6	13.33	14	0.55	8%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	2196	723.2	0.0000	619.2	173.6	13.33	14	0.60	8%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0208	750.5	11.00	619.2	173.6	13.33	14	0.76	11%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0884	793.1	15.60	619.2	173.6	13.33	14	1.00	14%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	2022	869.0	0.0000	619.2	173.6	13.33	14	1.44	20%	0
025.31	Iron, AAS, Dry ash (mg / kg (ppm))	0921	576.5	134.4	619.2	173.6	13.33	14	-0.25	3%	1
025.32	Iron, AAS, Open vessel (mg / kg (ppm))	0609	209.2	8.260				2			0
025.32	Iron, AAS, Open vessel (mg / kg (ppm))	2128	666.9	59.46				2			0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0405	471.7	2.506	657.9	61.35	15.91	24	-3.03	14%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0123	511.5	29.00	657.9	61.35	15.91	24	-2.39	11%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0226	568.5	12.61	657.9	61.35	15.91	24	-1.46	7%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0354	582.0	10.14	657.9	61.35	15.91	24	-1.24	6%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0598	608.0	3.000	657.9	61.35	15.91	24	-0.81	4%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	2012	614.2	9.550	657.9	61.35	15.91	24	-0.71	3%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0619	629.0	0.0000	657.9	61.35	15.91	24	-0.47	2%	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	
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0520	629.5	15.00	657.9	61.35	15.91	24	-0.46	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0407	629.8	8.010	657.9	61.35	15.91	24	-0.46	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0511	638.0	26.00	657.9	61.35	15.91	24	-0.32	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0720	661.3	0.5000	657.9	61.35	15.91	24	0.05	0%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0878	662.0	12.00	657.9	61.35	15.91	24	0.07	0%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0098	684.5	18.90	657.9	61.35	15.91	24	0.43	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0171	684.7	6.200	657.9	61.35	15.91	24	0.44	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0049	688.3	21.72	657.9	61.35	15.91	24	0.50	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0910	689.0	22.00	657.9	61.35	15.91	24	0.51	2%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0019	691.6	1.900	657.9	61.35	15.91	24	0.55	3%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0074	692.0	56.00	657.9	61.35	15.91	24	0.56	3%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0208	692.9	33.90	657.9	61.35	15.91	24	0.57	3%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0164	698.0	18.00	657.9	61.35	15.91	24	0.65	3%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0229	705.8	25.60	657.9	61.35	15.91	24	0.78	4%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0695	729.2	26.38	657.9	61.35	15.91	24	1.16	5%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0358	731.7	20.95	657.9	61.35	15.91	24	1.20	6%	0
025.41	Iron, ICP, Dry ash (mg / kg (ppm))	0148	748.0	2.000	657.9	61.35	15.91	24	1.47	7%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0278	145.5	11.00	626.9	120.1	8.973	14	-4.01	38%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0265	390.0	2.000	626.9	120.1	8.973	14	-1.97	19%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0726	527.9	2.600	626.9	120.1	8.973	14	-0.82	8%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0190	528.3	1.740	626.9	120.1	8.973	14	-0.82	8%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0294	557.4	4.400	626.9	120.1	8.973	14	-0.58	6%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0560	637.8	3.000	626.9	120.1	8.973	14	0.09	1%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0263	648.5	13.30	626.9	120.1	8.973	14	0.18	2%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0870	680.1	3.900	626.9	120.1	8.973	14	0.44	4%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0045	698.0	32.00	626.9	120.1	8.973	14	0.59	6%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0693	698.9	12.13	626.9	120.1	8.973	14	0.60	6%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0366	704.0	8.000	626.9	120.1	8.973	14	0.64	6%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0187	713.9	3.450	626.9	120.1	8.973	14	0.72	7%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0037	714.5	3.100	626.9	120.1	8.973	14	0.73	7%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0035	774.5	25.00	626.9	120.1	8.973	14	1.23	12%	0
025.42	Iron, ICP, Open vessel (mg / kg (ppm))	0042	492.5	187.0	626.9	120.1	8.973	14	-1.12	11%	1
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0345	576.0	32.00	666.7	51.64	19.01	18	-1.76	7%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0425	581.6	14.10	666.7	51.64	19.01	18	-1.65	6%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0675	608.2	1.080	666.7	51.64	19.01	18	-1.13	4%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0169	620.5	9.000	666.7	51.64	19.01	18	-0.89	3%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0668	627.0	0.0000	666.7	51.64	19.01	18	-0.77	3%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0968	642.0	6.000	666.7	51.64	19.01	18	-0.48	2%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2192	659.5	13.34	666.7	51.64	19.01	18	-0.14	1%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0407	665.0	87.19	666.7	51.64	19.01	18	-0.03	0%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0353	670.0	4.000	666.7	51.64	19.01	18	0.06	0%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0510	679.0	2.000	666.7	51.64	19.01	18	0.24	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	
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0017	682.8	7.606	666.7	51.64	19.01	18	0.31	1%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0682	689.8	0.0000	666.7	51.64	19.01	18	0.45	2%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0098	690.9	17.30	666.7	51.64	19.01	18	0.47	2%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0035	705.5	25.00	666.7	51.64	19.01	18	0.75	3%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0508	707.6	46.55	666.7	51.64	19.01	18	0.79	3%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0918	708.2	1.080	666.7	51.64	19.01	18	0.80	3%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0083	721.5	27.00	666.7	51.64	19.01	18	1.06	4%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0297	766.5	49.00	666.7	51.64	19.01	18	1.93	7%	0
025.43	Iron, ICP, Microwave (mg / kg (ppm))	2089	774.4	120.5	666.7	51.64	19.01	18	2.09	8%	1
025.43	Iron, ICP, Microwave (mg / kg (ppm))	0610	0.6600	0.0000	666.7	51.64	19.01	18	-12.90	50%	2
025.52	Iron, ICP-MS, Open vessel (mg / kg (ppm))	0154	559.6	7.810				1			0
025.53	Iron, ICP-MS, Microwave (mg / kg (ppm))	0553	663.5	19.00				2			0
025.53	Iron, ICP-MS, Microwave (mg / kg (ppm))	0939	715.5	21.00				2			0
025.99	Iron, Miscellaneous (mg / kg (ppm))	0100	741.5	47.00				2			0
025.99	Iron, Miscellaneous (mg / kg (ppm))	2129	774.5	3.000				2			0
027.31	Magnesium, AAS, Dry ash (%)	2246	0.3800	0.0000	0.7010	0.0556	0.0105	17	-5.78	23%	0
027.31	Magnesium, AAS, Dry ash (%)	2248	0.5800	0.0000	0.7010	0.0556	0.0105	17	-2.18	9%	0
027.31	Magnesium, AAS, Dry ash (%)	0038	0.6221	0.0441	0.7010	0.0556	0.0105	17	-1.42	6%	0
027.31	Magnesium, AAS, Dry ash (%)	0939	0.6800	0.0200	0.7010	0.0556	0.0105	17	-0.38	2%	0
027.31	Magnesium, AAS, Dry ash (%)	0175	0.6900	0.0000	0.7010	0.0556	0.0105	17	-0.20	1%	0
027.31	Magnesium, AAS, Dry ash (%)	0208	0.6945	0.0150	0.7010	0.0556	0.0105	17	-0.12	0%	0
027.31	Magnesium, AAS, Dry ash (%)	0529	0.6985	0.0210	0.7010	0.0556	0.0105	17	-0.05	0%	0
027.31	Magnesium, AAS, Dry ash (%)	0884	0.7000	0.0200	0.7010	0.0556	0.0105	17	-0.02	0%	0
027.31	Magnesium, AAS, Dry ash (%)	2196	0.7000	0.0000	0.7010	0.0556	0.0105	17	-0.02	0%	0
027.31	Magnesium, AAS, Dry ash (%)	0001	0.7016	0.0008	0.7010	0.0556	0.0105	17	0.01	0%	0
027.31	Magnesium, AAS, Dry ash (%)	2022	0.7030	0.0020	0.7010	0.0556	0.0105	17	0.04	0%	0
027.31	Magnesium, AAS, Dry ash (%)	0536	0.7150	0.0100	0.7010	0.0556	0.0105	17	0.25	1%	0
027.31	Magnesium, AAS, Dry ash (%)	0874	0.7285	0.0070	0.7010	0.0556	0.0105	17	0.49	2%	0
027.31	Magnesium, AAS, Dry ash (%)	0868	0.7300	0.0000	0.7010	0.0556	0.0105	17	0.52	2%	0
027.31	Magnesium, AAS, Dry ash (%)	2146	0.7600	0.0000	0.7010	0.0556	0.0105	17	1.06	4%	0
027.31	Magnesium, AAS, Dry ash (%)	0142	0.7749	0.0286	0.7010	0.0556	0.0105	17	1.33	5%	0
027.31	Magnesium, AAS, Dry ash (%)	2144	0.7850	0.0100	0.7010	0.0556	0.0105	17	1.51	6%	0
027.32	Magnesium, AAS, Open vessel (%)	0169	0.7250	0.0100				2			0
027.32	Magnesium, AAS, Open vessel (%)	0609	0.8350	0.0300				2			0
027.33	Magnesium, AAS, Microwave (%)	0948	0.7680	0.0220				2			0
027.33	Magnesium, AAS, Microwave (%)	2178	0.8304	0.1021				2			0
027.41	Magnesium, ICP, Dry ash (%)	0511	0.6450	0.0100	0.7101	0.0322	0.0130	29	-2.02	5%	0
027.41	Magnesium, ICP, Dry ash (%)	0004	0.6650	0.0100	0.7101	0.0322	0.0130	29	-1.40	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0229	0.6695	0.0350	0.7101	0.0322	0.0130	29	-1.26	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0598	0.6701	0.0003	0.7101	0.0322	0.0130	29	-1.25	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0049	0.6800	0.0200	0.7101	0.0322	0.0130	29	-0.94	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0354	0.6800	0.0000	0.7101	0.0322	0.0130	29	-0.94	2%	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	
027.41	Magnesium, ICP, Dry ash (%)	0878	0.6800	0.0000	0.7101	0.0322	0.0130	29	-0.94	2%	0
027.41	Magnesium, ICP, Dry ash (%)	2012	0.6900	0.0200	0.7101	0.0322	0.0130	29	-0.63	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0407	0.6925	0.0050	0.7101	0.0322	0.0130	29	-0.55	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0003	0.6950	0.0100	0.7101	0.0322	0.0130	29	-0.47	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0910	0.6950	0.0100	0.7101	0.0322	0.0130	29	-0.47	1%	0
027.41	Magnesium, ICP, Dry ash (%)	2018	0.7050	0.0100	0.7101	0.0322	0.0130	29	-0.16	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0226	0.7050	0.0500	0.7101	0.0322	0.0130	29	-0.16	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0208	0.7115	0.0130	0.7101	0.0322	0.0130	29	0.04	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0171	0.7135	0.0070	0.7101	0.0322	0.0130	29	0.10	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0148	0.7160	0.0100	0.7101	0.0322	0.0130	29	0.18	0%	0
027.41	Magnesium, ICP, Dry ash (%)	0619	0.7185	0.0010	0.7101	0.0322	0.0130	29	0.26	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0720	0.7200	0.0000	0.7101	0.0322	0.0130	29	0.31	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0653	0.7225	0.0010	0.7101	0.0322	0.0130	29	0.38	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0139	0.7235	0.0056	0.7101	0.0322	0.0130	29	0.41	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0358	0.7250	0.0300	0.7101	0.0322	0.0130	29	0.46	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0074	0.7280	0.0260	0.7101	0.0322	0.0130	29	0.55	1%	0
027.41	Magnesium, ICP, Dry ash (%)	0098	0.7350	0.0100	0.7101	0.0322	0.0130	29	0.77	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0019	0.7400	0.0200	0.7101	0.0322	0.0130	29	0.93	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0066	0.7410	0.0160	0.7101	0.0322	0.0130	29	0.96	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0164	0.7415	0.0050	0.7101	0.0322	0.0130	29	0.97	2%	0
027.41	Magnesium, ICP, Dry ash (%)	0695	0.7525	0.0190	0.7101	0.0322	0.0130	29	1.32	3%	0
027.41	Magnesium, ICP, Dry ash (%)	0520	0.7650	0.0300	0.7101	0.0322	0.0130	29	1.70	4%	0
027.41	Magnesium, ICP, Dry ash (%)	0405	0.7740	0.0020	0.7101	0.0322	0.0130	29	1.98	4%	0
027.42	Magnesium, ICP, Open vessel (%)	2129	0.6132	0.0321	0.7048	0.0470	0.0216	20	-1.95	7%	0
027.42	Magnesium, ICP, Open vessel (%)	0294	0.6500	0.0200	0.7048	0.0470	0.0216	20	-1.17	4%	0
027.42	Magnesium, ICP, Open vessel (%)	0026	0.6520	0.0380	0.7048	0.0470	0.0216	20	-1.12	4%	0
027.42	Magnesium, ICP, Open vessel (%)	0045	0.6540	0.0460	0.7048	0.0470	0.0216	20	-1.08	4%	0
027.42	Magnesium, ICP, Open vessel (%)	0870	0.6686	0.0371	0.7048	0.0470	0.0216	20	-0.77	3%	0
027.42	Magnesium, ICP, Open vessel (%)	0357	0.6798	0.0081	0.7048	0.0470	0.0216	20	-0.53	2%	0
027.42	Magnesium, ICP, Open vessel (%)	0265	0.6850	0.0100	0.7048	0.0470	0.0216	20	-0.42	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0042	0.6915	0.0490	0.7048	0.0470	0.0216	20	-0.28	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0263	0.6932	0.0037	0.7048	0.0470	0.0216	20	-0.25	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0366	0.7000	0.0600	0.7048	0.0470	0.0216	20	-0.10	0%	0
027.42	Magnesium, ICP, Open vessel (%)	0685	0.7000	0.0600	0.7048	0.0470	0.0216	20	-0.10	0%	0
027.42	Magnesium, ICP, Open vessel (%)	0035	0.7100	0.0000	0.7048	0.0470	0.0216	20	0.11	0%	0
027.42	Magnesium, ICP, Open vessel (%)	0037	0.7185	0.0070	0.7048	0.0470	0.0216	20	0.29	1%	0
027.42	Magnesium, ICP, Open vessel (%)	0278	0.7350	0.0100	0.7048	0.0470	0.0216	20	0.64	2%	0
027.42	Magnesium, ICP, Open vessel (%)	0693	0.7365	0.0290	0.7048	0.0470	0.0216	20	0.67	2%	0
027.42	Magnesium, ICP, Open vessel (%)	0190	0.7450	0.0100	0.7048	0.0470	0.0216	20	0.85	3%	0
027.42	Magnesium, ICP, Open vessel (%)	0726	0.7531	0.0007	0.7048	0.0470	0.0216	20	1.03	3%	0
027.42	Magnesium, ICP, Open vessel (%)	0186	0.7535	0.0010	0.7048	0.0470	0.0216	20	1.03	3%	0
027.42	Magnesium, ICP, Open vessel (%)	0560	0.7615	0.0110	0.7048	0.0470	0.0216	20	1.20	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 (%)	0187	0.7900	0.0000	0.7048	0.0470	0.0216	20	1.81	6%	0
027.43	Magnesium, ICP, Microwave (%)	0505	0.5650	0.0300	0.6957	0.0355	0.0182	25	-3.68	9%	0
027.43	Magnesium, ICP, Microwave (%)	0035	0.6250	0.0100	0.6957	0.0355	0.0182	25	-1.99	5%	0
027.43	Magnesium, ICP, Microwave (%)	0668	0.6325	0.0310	0.6957	0.0355	0.0182	25	-1.78	5%	0
027.43	Magnesium, ICP, Microwave (%)	0510	0.6600	0.0200	0.6957	0.0355	0.0182	25	-1.01	3%	0
027.43	Magnesium, ICP, Microwave (%)	0038	0.6720	0.0060	0.6957	0.0355	0.0182	25	-0.67	2%	0
027.43	Magnesium, ICP, Microwave (%)	0345	0.6790	0.0180	0.6957	0.0355	0.0182	25	-0.47	1%	0
027.43	Magnesium, ICP, Microwave (%)	0675	0.6800	0.0000	0.6957	0.0355	0.0182	25	-0.44	1%	0
027.43	Magnesium, ICP, Microwave (%)	2192	0.6850	0.0300	0.6957	0.0355	0.0182	25	-0.30	1%	0
027.43	Magnesium, ICP, Microwave (%)	0407	0.6855	0.0170	0.6957	0.0355	0.0182	25	-0.29	1%	0
027.43	Magnesium, ICP, Microwave (%)	0968	0.6860	0.0000	0.6957	0.0355	0.0182	25	-0.27	1%	0
027.43	Magnesium, ICP, Microwave (%)	0508	0.6866	0.0234	0.6957	0.0355	0.0182	25	-0.26	1%	0
027.43	Magnesium, ICP, Microwave (%)	0017	0.6875	0.0110	0.6957	0.0355	0.0182	25	-0.23	1%	0
027.43	Magnesium, ICP, Microwave (%)	0425	0.6885	0.0110	0.6957	0.0355	0.0182	25	-0.20	1%	0
027.43	Magnesium, ICP, Microwave (%)	0202	0.6900	0.0200	0.6957	0.0355	0.0182	25	-0.16	0%	0
027.43	Magnesium, ICP, Microwave (%)	0083	0.7000	0.0000	0.6957	0.0355	0.0182	25	0.12	0%	0
027.43	Magnesium, ICP, Microwave (%)	0098	0.7050	0.0100	0.6957	0.0355	0.0182	25	0.26	1%	0
027.43	Magnesium, ICP, Microwave (%)	0918	0.7080	0.0240	0.6957	0.0355	0.0182	25	0.35	1%	0
027.43	Magnesium, ICP, Microwave (%)	0006	0.7145	0.0190	0.6957	0.0355	0.0182	25	0.53	1%	0
027.43	Magnesium, ICP, Microwave (%)	0033	0.7150	0.0100	0.6957	0.0355	0.0182	25	0.55	1%	0
027.43	Magnesium, ICP, Microwave (%)	0297	0.7150	0.0700	0.6957	0.0355	0.0182	25	0.55	1%	0
027.43	Magnesium, ICP, Microwave (%)	0089	0.7300	0.0000	0.6957	0.0355	0.0182	25	0.97	2%	0
027.43	Magnesium, ICP, Microwave (%)	0682	0.7300	0.0000	0.6957	0.0355	0.0182	25	0.97	2%	0
027.43	Magnesium, ICP, Microwave (%)	0353	0.7500	0.0400	0.6957	0.0355	0.0182	25	1.53	4%	0
027.43	Magnesium, ICP, Microwave (%)	2089	0.7500	0.0200	0.6957	0.0355	0.0182	25	1.53	4%	0
027.43	Magnesium, ICP, Microwave (%)	0027	0.7540	0.0340	0.6957	0.0355	0.0182	25	1.64	4%	0
027.51	Magnesium, ICP-MS, Dry ash (%)	2146	0.7600	0.0000				1			0
027.52	Magnesium, ICP-MS, Open vessel (%)	0154	0.6611	0.0417				2			0
027.52	Magnesium, ICP-MS, Open vessel (%)	0186	0.7165	0.0110				2			0
027.53	Magnesium, ICP-MS, Microwave (%)	0572	0.6920	0.0200				3			0
027.53	Magnesium, ICP-MS, Microwave (%)	0553	0.7335	0.0030				3			0
027.53	Magnesium, ICP-MS, Microwave (%)	0939	0.7450	0.0100				3			0
027.99	Magnesium, Miscellaneous (%)	0590	0.7150	0.0300				2			0
027.99	Magnesium, Miscellaneous (%)	0100	0.8100	0.0600				2			0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	2248	329.1	0.0000	407.5	26.20	6.552	16	-2.99	10%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	2188	350.0	4.000	407.5	26.20	6.552	16	-2.19	7%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0529	383.2	10.30	407.5	26.20	6.552	16	-0.93	3%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	2097	385.2	0.0900	407.5	26.20	6.552	16	-0.85	3%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0689	397.6	4.100	407.5	26.20	6.552	16	-0.38	1%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	2022	399.5	3.000	407.5	26.20	6.552	16	-0.31	1%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0175	401.0	2.000	407.5	26.20	6.552	16	-0.25	1%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0001	403.4	16.20	407.5	26.20	6.552	16	-0.16	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	
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0939	415.5	1.000	407.5	26.20	6.552	16	0.31	1%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	2144	416.0	18.00	407.5	26.20	6.552	16	0.32	1%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0884	421.8	3.100	407.5	26.20	6.552	16	0.54	2%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0868	423.5	3.000	407.5	26.20	6.552	16	0.61	2%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	2196	427.5	0.0000	407.5	26.20	6.552	16	0.76	2%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0536	430.5	2.500	407.5	26.20	6.552	16	0.88	3%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	0208	435.5	21.00	407.5	26.20	6.552	16	1.07	3%	0
028.31	Manganese, AAS, Dry ash (mg / kg (ppm))	2146	443.5	16.54	407.5	26.20	6.552	16	1.37	4%	0
028.32	Manganese, AAS, Open vessel (mg / kg (ppm))	0609	149.4	0.9200				3			0
028.32	Manganese, AAS, Open vessel (mg / kg (ppm))	0038	418.0	16.00				3			0
028.32	Manganese, AAS, Open vessel (mg / kg (ppm))	2128	422.0	57.63				3			0
028.34	Manganese, AAS, Dry ash (mg / kg (ppm))	2246	184.6	26.31				1			0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0226	281.3	3.530	392.7	28.68	9.441	26	-3.88	14%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0354	322.0	5.670	392.7	28.68	9.441	26	-2.46	9%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0653	337.8	4.900	392.7	28.68	9.441	26	-1.91	7%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	2018	347.9	5.200	392.7	28.68	9.441	26	-1.56	6%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0720	373.1	6.600	392.7	28.68	9.441	26	-0.68	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0407	373.6	5.380	392.7	28.68	9.441	26	-0.67	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0511	377.0	6.000	392.7	28.68	9.441	26	-0.55	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0049	380.4	8.310	392.7	28.68	9.441	26	-0.43	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0004	387.5	14.57	392.7	28.68	9.441	26	-0.18	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0878	390.0	10.00	392.7	28.68	9.441	26	-0.09	0%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0171	390.9	3.500	392.7	28.68	9.441	26	-0.06	0%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0520	391.5	15.00	392.7	28.68	9.441	26	-0.04	0%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0405	393.2	1.493	392.7	28.68	9.441	26	0.02	0%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	2012	396.6	3.920	392.7	28.68	9.441	26	0.14	0%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0598	396.8	2.700	392.7	28.68	9.441	26	0.14	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0208	398.1	25.80	392.7	28.68	9.441	26	0.19	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0695	401.8	9.258	392.7	28.68	9.441	26	0.32	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0074	403.0	32.00	392.7	28.68	9.441	26	0.36	1%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0910	404.5	3.000	392.7	28.68	9.441	26	0.41	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0164	406.0	0.0000	392.7	28.68	9.441	26	0.46	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0229	406.9	16.30	392.7	28.68	9.441	26	0.49	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0098	412.2	4.300	392.7	28.68	9.441	26	0.68	2%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0019	424.5	1.700	392.7	28.68	9.441	26	1.11	4%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0003	432.0	34.00	392.7	28.68	9.441	26	1.37	5%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0148	438.5	3.000	392.7	28.68	9.441	26	1.60	6%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0358	466.4	19.34	392.7	28.68	9.441	26	2.57	9%	0
028.41	Manganese, ICP, Dry ash (mg / kg (ppm))	0619	4.225	0.0100	392.7	28.68	9.441	26	-13.54	49%	2
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0685	131.2	4.090	422.2	34.67	10.64	19	-8.39	34%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0263	376.8	11.55	422.2	34.67	10.64	19	-1.31	5%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0045	379.0	34.00	422.2	34.67	10.64	19	-1.25	5%	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	
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	2053	385.5	15.00	422.2	34.67	10.64	19	-1.06	4%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0357	402.7	12.14	422.2	34.67	10.64	19	-0.56	2%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0278	409.0	12.00	422.2	34.67	10.64	19	-0.38	2%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0693	415.3	30.22	422.2	34.67	10.64	19	-0.20	1%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0042	415.5	1.000	422.2	34.67	10.64	19	-0.19	1%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0037	417.7	2.100	422.2	34.67	10.64	19	-0.13	1%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0265	419.0	10.00	422.2	34.67	10.64	19	-0.09	0%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0366	428.5	29.00	422.2	34.67	10.64	19	0.18	1%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0035	430.0	2.000	422.2	34.67	10.64	19	0.23	1%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0870	430.6	8.900	422.2	34.67	10.64	19	0.24	1%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0186	438.5	7.000	422.2	34.67	10.64	19	0.47	2%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0190	447.9	2.720	422.2	34.67	10.64	19	0.74	3%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0726	459.7	0.1000	422.2	34.67	10.64	19	1.08	4%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0187	460.3	5.230	422.2	34.67	10.64	19	1.10	5%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0560	462.4	11.20	422.2	34.67	10.64	19	1.16	5%	0
028.42	Manganese, ICP, Open vessel (mg / kg (ppm))	0294	473.2	3.950	422.2	34.67	10.64	19	1.47	6%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0505	347.4	27.70	408.9	27.06	10.13	23	-2.27	8%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0610	364.5	1.000	408.9	27.06	10.13	23	-1.64	5%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0675	376.0	8.970	408.9	27.06	10.13	23	-1.22	4%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0345	380.5	11.00	408.9	27.06	10.13	23	-1.05	3%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0353	387.5	31.00	408.9	27.06	10.13	23	-0.79	3%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0169	394.0	12.00	408.9	27.06	10.13	23	-0.55	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0017	399.4	0.9990	408.9	27.06	10.13	23	-0.35	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0033	399.5	1.000	408.9	27.06	10.13	23	-0.35	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0035	400.0	12.00	408.9	27.06	10.13	23	-0.33	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0918	400.7	4.150	408.9	27.06	10.13	23	-0.30	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0425	401.6	5.100	408.9	27.06	10.13	23	-0.27	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0668	404.5	9.000	408.9	27.06	10.13	23	-0.16	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0682	411.8	0.0000	408.9	27.06	10.13	23	0.11	0%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0508	414.8	0.1900	408.9	27.06	10.13	23	0.22	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0297	418.0	50.00	408.9	27.06	10.13	23	0.34	1%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0098	421.8	5.000	408.9	27.06	10.13	23	0.48	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0038	428.0	18.00	408.9	27.06	10.13	23	0.71	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0968	428.5	13.00	408.9	27.06	10.13	23	0.72	2%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0083	429.5	1.000	408.9	27.06	10.13	23	0.76	3%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	2089	433.4	3.640	408.9	27.06	10.13	23	0.91	3%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0202	444.3	1.500	408.9	27.06	10.13	23	1.31	4%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0027	445.0	13.85	408.9	27.06	10.13	23	1.33	4%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0510	464.5	3.000	408.9	27.06	10.13	23	2.05	7%	0
028.43	Manganese, ICP, Microwave (mg / kg (ppm))	0407	408.3	75.17	408.9	27.06	10.13	23	-0.02	0%	1
028.44	Manganese, ICP, Dry ash (mg / kg (ppm))	0066	298.1	9.330				2			0
028.44	Manganese, ICP, Dry ash (mg / kg (ppm))	2152	397.3	2.360				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			
028.51	Manganese, ICP-MS, Dry ash (mg / kg (ppm))	2146	409.1	20.54				1		0	
028.52	Manganese, ICP-MS, Open vessel (mg / kg (ppm))	0186	440.5	5.000				1		0	
028.53	Manganese, ICP-MS, Microwave (mg / kg (ppm))	0553	404.0	14.00	416.1	10.29	14.20	4		0	
028.53	Manganese, ICP-MS, Microwave (mg / kg (ppm))	0939	411.5	25.00	416.1	10.29	14.20	4		0	
028.53	Manganese, ICP-MS, Microwave (mg / kg (ppm))	0572	422.5	1.000	416.1	10.29	14.20	4		0	
028.53	Manganese, ICP-MS, Microwave (mg / kg (ppm))	2192	426.6	16.78	416.1	10.29	14.20	4		0	
028.99	Manganese, Miscellaneous (mg / kg (ppm))	0590	388.5	13.00				3		0	
028.99	Manganese, Miscellaneous (mg / kg (ppm))	2129	395.0	10.00				3		0	
028.99	Manganese, Miscellaneous (mg / kg (ppm))	0100	466.0	64.00				3		0	
031.01	Phosphorus, Photometric (%)	0108	0.9250	0.0700	1.188	0.0492	0.0185	41	-5.33	11%	0
031.01	Phosphorus, Photometric (%)	0609	1.025	0.0300	1.188	0.0492	0.0185	41	-3.30	7%	0
031.01	Phosphorus, Photometric (%)	2253	1.035	0.0100	1.188	0.0492	0.0185	41	-3.10	6%	0
031.01	Phosphorus, Photometric (%)	0511	1.085	0.0100	1.188	0.0492	0.0185	41	-2.08	4%	0
031.01	Phosphorus, Photometric (%)	2199	1.095	0.0900	1.188	0.0492	0.0185	41	-1.88	4%	0
031.01	Phosphorus, Photometric (%)	2144	1.110	0.0000	1.188	0.0492	0.0185	41	-1.58	3%	0
031.01	Phosphorus, Photometric (%)	2248	1.130	0.0290	1.188	0.0492	0.0185	41	-1.18	2%	0
031.01	Phosphorus, Photometric (%)	2018	1.145	0.0100	1.188	0.0492	0.0185	41	-0.87	2%	0
031.01	Phosphorus, Photometric (%)	0884	1.155	0.0100	1.188	0.0492	0.0185	41	-0.66	1%	0
031.01	Phosphorus, Photometric (%)	2192	1.160	0.0200	1.188	0.0492	0.0185	41	-0.56	1%	0
031.01	Phosphorus, Photometric (%)	0175	1.165	0.0100	1.188	0.0492	0.0185	41	-0.46	1%	0
031.01	Phosphorus, Photometric (%)	0590	1.165	0.0100	1.188	0.0492	0.0185	41	-0.46	1%	0
031.01	Phosphorus, Photometric (%)	2258	1.170	0.0200	1.188	0.0492	0.0185	41	-0.36	1%	0
031.01	Phosphorus, Photometric (%)	0874	1.177	0.0050	1.188	0.0492	0.0185	41	-0.23	0%	0
031.01	Phosphorus, Photometric (%)	2128	1.181	0.0630	1.188	0.0492	0.0185	41	-0.15	0%	0
031.01	Phosphorus, Photometric (%)	2190	1.184	0.0095	1.188	0.0492	0.0185	41	-0.07	0%	0
031.01	Phosphorus, Photometric (%)	0885	1.184	0.0079	1.188	0.0492	0.0185	41	-0.06	0%	0
031.01	Phosphorus, Photometric (%)	0142	1.187	0.0070	1.188	0.0492	0.0185	41	-0.02	0%	0
031.01	Phosphorus, Photometric (%)	2009	1.189	0.0021	1.188	0.0492	0.0185	41	0.03	0%	0
031.01	Phosphorus, Photometric (%)	2196	1.190	0.0000	1.188	0.0492	0.0185	41	0.05	0%	0
031.01	Phosphorus, Photometric (%)	0651	1.192	0.0030	1.188	0.0492	0.0185	41	0.08	0%	0
031.01	Phosphorus, Photometric (%)	0881	1.193	0.0320	1.188	0.0492	0.0185	41	0.11	0%	0
031.01	Phosphorus, Photometric (%)	0689	1.195	0.0100	1.188	0.0492	0.0185	41	0.15	0%	0
031.01	Phosphorus, Photometric (%)	0939	1.195	0.0100	1.188	0.0492	0.0185	41	0.15	0%	0
031.01	Phosphorus, Photometric (%)	2097	1.195	0.0100	1.188	0.0492	0.0185	41	0.15	0%	0
031.01	Phosphorus, Photometric (%)	0208	1.198	0.0300	1.188	0.0492	0.0185	41	0.21	0%	0
031.01	Phosphorus, Photometric (%)	2246	1.205	0.0100	1.188	0.0492	0.0185	41	0.35	1%	0
031.01	Phosphorus, Photometric (%)	0868	1.210	0.0000	1.188	0.0492	0.0185	41	0.45	1%	0
031.01	Phosphorus, Photometric (%)	2181	1.210	0.0000	1.188	0.0492	0.0185	41	0.45	1%	0
031.01	Phosphorus, Photometric (%)	2198	1.210	0.0200	1.188	0.0492	0.0185	41	0.45	1%	0
031.01	Phosphorus, Photometric (%)	2109	1.215	0.0260	1.188	0.0492	0.0185	41	0.56	1%	0
031.01	Phosphorus, Photometric (%)	2193	1.215	0.0100	1.188	0.0492	0.0185	41	0.56	1%	0
031.01	Phosphorus, Photometric (%)	2022	1.220	0.0000	1.188	0.0492	0.0185	41	0.66	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	
031.01	Phosphorus, Photometric (%)	2006	1.229	0.0220	1.188	0.0492	0.0185	41	0.84	2%	0
031.01	Phosphorus, Photometric (%)	2188	1.230	0.0000	1.188	0.0492	0.0185	41	0.86	2%	0
031.01	Phosphorus, Photometric (%)	0878	1.240	0.0200	1.188	0.0492	0.0185	41	1.06	2%	0
031.01	Phosphorus, Photometric (%)	0674	1.250	0.0000	1.188	0.0492	0.0185	41	1.27	3%	0
031.01	Phosphorus, Photometric (%)	0897	1.250	0.0000	1.188	0.0492	0.0185	41	1.27	3%	0
031.01	Phosphorus, Photometric (%)	0529	1.255	0.0500	1.188	0.0492	0.0185	41	1.37	3%	0
031.01	Phosphorus, Photometric (%)	0018	1.315	0.0700	1.188	0.0492	0.0185	41	2.59	5%	0
031.01	Phosphorus, Photometric (%)	0948	1.341	0.0200	1.188	0.0492	0.0185	41	3.11	6%	0
031.01	Phosphorus, Photometric (%)	0687	1.200	0.1000	1.188	0.0492	0.0185	41	0.25	1%	1
031.02	Phosphorus, GQMP (AOAC 935.13-Extraction) (%)	0505	0.9750	0.0900				3			0
031.02	Phosphorus, GQMP (AOAC 935.13-Extraction) (%)	2053	1.200	0.0400				3			0
031.02	Phosphorus, GQMP (AOAC 935.13-Extraction) (%)	0043	1.214	0.0040				3			0
031.03	Phosphorus, Autoanalyzer (%)	0036	1.186	0.0153				3			0
031.03	Phosphorus, Autoanalyzer (%)	0001	1.211	0.0170				3			0
031.03	Phosphorus, Autoanalyzer (%)	0169	1.315	0.0100				3			0
031.06	Phosphorus, Hach Method (%)	0536	0.9850	0.0100				1			0
031.41	Phosphorus, ICP, Dry ash (%)	0848	1.040	0.0000	1.185	0.0623	0.0303	31	-2.33	6%	0
031.41	Phosphorus, ICP, Dry ash (%)	0144	1.115	0.0500	1.185	0.0623	0.0303	31	-1.13	3%	0
031.41	Phosphorus, ICP, Dry ash (%)	0910	1.115	0.0700	1.185	0.0623	0.0303	31	-1.13	3%	0
031.41	Phosphorus, ICP, Dry ash (%)	0004	1.120	0.0200	1.185	0.0623	0.0303	31	-1.04	3%	0
031.41	Phosphorus, ICP, Dry ash (%)	0298	1.120	0.0200	1.185	0.0623	0.0303	31	-1.04	3%	0
031.41	Phosphorus, ICP, Dry ash (%)	0171	1.130	0.0000	1.185	0.0623	0.0303	31	-0.88	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0407	1.131	0.0030	1.185	0.0623	0.0303	31	-0.88	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0695	1.143	0.0800	1.185	0.0623	0.0303	31	-0.68	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0520	1.145	0.0500	1.185	0.0623	0.0303	31	-0.64	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	0354	1.150	0.0200	1.185	0.0623	0.0303	31	-0.56	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0405	1.152	0.0210	1.185	0.0623	0.0303	31	-0.54	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0229	1.152	0.0540	1.185	0.0623	0.0303	31	-0.53	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0685	1.165	0.0100	1.185	0.0623	0.0303	31	-0.32	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0123	1.175	0.0500	1.185	0.0623	0.0303	31	-0.16	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0003	1.190	0.0000	1.185	0.0623	0.0303	31	0.08	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0049	1.190	0.0200	1.185	0.0623	0.0303	31	0.08	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0164	1.190	0.0200	1.185	0.0623	0.0303	31	0.08	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0720	1.195	0.0100	1.185	0.0623	0.0303	31	0.16	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0653	1.196	0.0050	1.185	0.0623	0.0303	31	0.17	0%	0
031.41	Phosphorus, ICP, Dry ash (%)	0208	1.197	0.0880	1.185	0.0623	0.0303	31	0.19	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0019	1.200	0.0200	1.185	0.0623	0.0303	31	0.24	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0619	1.200	0.0000	1.185	0.0623	0.0303	31	0.24	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0139	1.203	0.0140	1.185	0.0623	0.0303	31	0.29	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	2012	1.210	0.0200	1.185	0.0623	0.0303	31	0.40	1%	0
031.41	Phosphorus, ICP, Dry ash (%)	0226	1.230	0.0000	1.185	0.0623	0.0303	31	0.72	2%	0
031.41	Phosphorus, ICP, Dry ash (%)	2259	1.250	0.0800	1.185	0.0623	0.0303	31	1.04	3%	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	
031.41	Phosphorus, ICP, Dry ash (%)	0148	1.270	0.0600	1.185	0.0623	0.0303	31	1.36	4%	0
031.41	Phosphorus, ICP, Dry ash (%)	0074	1.280	0.0000	1.185	0.0623	0.0303	31	1.52	4%	0
031.41	Phosphorus, ICP, Dry ash (%)	0598	1.280	0.0240	1.185	0.0623	0.0303	31	1.52	4%	0
031.41	Phosphorus, ICP, Dry ash (%)	0098	1.293	0.0100	1.185	0.0623	0.0303	31	1.73	5%	0
031.41	Phosphorus, ICP, Dry ash (%)	0358	1.310	0.1200	1.185	0.0623	0.0303	31	2.00	5%	0
031.42	Phosphorus, ICP, Open vessel (%)	0294	1.035	0.0100	1.183	0.0688	0.0244	20	-2.16	6%	0
031.42	Phosphorus, ICP, Open vessel (%)	0278	1.060	0.0600	1.183	0.0688	0.0244	20	-1.79	5%	0
031.42	Phosphorus, ICP, Open vessel (%)	0026	1.080	0.0090	1.183	0.0688	0.0244	20	-1.51	4%	0
031.42	Phosphorus, ICP, Open vessel (%)	0265	1.130	0.0000	1.183	0.0688	0.0244	20	-0.78	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0047	1.135	0.0100	1.183	0.0688	0.0244	20	-0.70	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0045	1.155	0.0500	1.183	0.0688	0.0244	20	-0.41	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0357	1.159	0.0075	1.183	0.0688	0.0244	20	-0.36	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0726	1.163	0.0010	1.183	0.0688	0.0244	20	-0.30	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0035	1.175	0.0100	1.183	0.0688	0.0244	20	-0.12	0%	0
031.42	Phosphorus, ICP, Open vessel (%)	0366	1.185	0.0300	1.183	0.0688	0.0244	20	0.02	0%	0
031.42	Phosphorus, ICP, Open vessel (%)	0560	1.196	0.0358	1.183	0.0688	0.0244	20	0.18	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0870	1.202	0.0120	1.183	0.0688	0.0244	20	0.27	1%	0
031.42	Phosphorus, ICP, Open vessel (%)	0042	1.220	0.0600	1.183	0.0688	0.0244	20	0.53	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	2129	1.220	0.0600	1.183	0.0688	0.0244	20	0.53	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0263	1.220	0.0017	1.183	0.0688	0.0244	20	0.54	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0190	1.235	0.0100	1.183	0.0688	0.0244	20	0.75	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	0186	1.240	0.0800	1.183	0.0688	0.0244	20	0.82	2%	0
031.42	Phosphorus, ICP, Open vessel (%)	2259	1.252	0.0080	1.183	0.0688	0.0244	20	1.00	3%	0
031.42	Phosphorus, ICP, Open vessel (%)	0187	1.255	0.0100	1.183	0.0688	0.0244	20	1.04	3%	0
031.42	Phosphorus, ICP, Open vessel (%)	0037	1.289	0.0230	1.183	0.0688	0.0244	20	1.53	4%	0
031.42	Phosphorus, ICP, Open vessel (%)	0693	1.133	0.1580	1.183	0.0688	0.0244	20	-0.73	2%	1
031.43	Phosphorus, ICP, Microwave (%)	0038	1.131	0.0540	1.202	0.0403	0.0293	25	-1.75	3%	0
031.43	Phosphorus, ICP, Microwave (%)	0297	1.145	0.0500	1.202	0.0403	0.0293	25	-1.40	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0345	1.160	0.0200	1.202	0.0403	0.0293	25	-1.03	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0610	1.160	0.0200	1.202	0.0403	0.0293	25	-1.03	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0668	1.160	0.0600	1.202	0.0403	0.0293	25	-1.03	2%	0
031.43	Phosphorus, ICP, Microwave (%)	2089	1.170	0.0400	1.202	0.0403	0.0293	25	-0.78	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0089	1.175	0.0100	1.202	0.0403	0.0293	25	-0.66	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0407	1.176	0.1010	1.202	0.0403	0.0293	25	-0.65	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0017	1.190	0.0240	1.202	0.0403	0.0293	25	-0.29	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0033	1.190	0.0200	1.202	0.0403	0.0293	25	-0.29	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0202	1.195	0.0300	1.202	0.0403	0.0293	25	-0.16	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0027	1.199	0.0720	1.202	0.0403	0.0293	25	-0.06	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0353	1.200	0.0200	1.202	0.0403	0.0293	25	-0.04	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0006	1.205	0.0230	1.202	0.0403	0.0293	25	0.07	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0675	1.205	0.0300	1.202	0.0403	0.0293	25	0.09	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0968	1.206	0.0070	1.202	0.0403	0.0293	25	0.10	0%	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	
031.43	Phosphorus, ICP, Microwave (%)	0036	1.210	0.0127	1.202	0.0403	0.0293	25	0.22	0%	0
031.43	Phosphorus, ICP, Microwave (%)	0425	1.230	0.0200	1.202	0.0403	0.0293	25	0.71	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0682	1.230	0.0000	1.202	0.0403	0.0293	25	0.71	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0035	1.235	0.0100	1.202	0.0403	0.0293	25	0.83	1%	0
031.43	Phosphorus, ICP, Microwave (%)	0508	1.239	0.0217	1.202	0.0403	0.0293	25	0.93	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0918	1.246	0.0110	1.202	0.0403	0.0293	25	1.09	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0083	1.255	0.0100	1.202	0.0403	0.0293	25	1.33	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0098	1.256	0.0350	1.202	0.0403	0.0293	25	1.34	2%	0
031.43	Phosphorus, ICP, Microwave (%)	0510	1.315	0.0300	1.202	0.0403	0.0293	25	2.81	5%	0
031.43	Phosphorus, ICP, Microwave (%)	0043	1.162	0.1430	1.202	0.0403	0.0293	25	-0.99	2%	1
031.44	Phosphorus, ICP, Dry ash (%)	0066	1.210	0.0200				2			0
031.44	Phosphorus, ICP, Dry ash (%)	2152	1.215	0.0300				2			0
031.51	Phosphorus, ICP-MS, Dry ash (%)	2146	1.450	0.0000				1			0
031.52	Phosphorus, ICP-MS, Open vessel (%)	0154	1.007	0.0563				2			0
031.52	Phosphorus, ICP-MS, Open vessel (%)	0186	1.210	0.0400				2			0
031.53	Phosphorus, ICP-MS, Microwave (%)	0939	1.150	0.1000				3			0
031.53	Phosphorus, ICP-MS, Microwave (%)	0553	1.210	0.0200				3			0
031.53	Phosphorus, ICP-MS, Microwave (%)	0572	1.315	0.0500				3			0
031.99	Phosphorus, Miscellaneous (%)	0852	1.025	0.0500				3			0
031.99	Phosphorus, Miscellaneous (%)	0676	1.060	0.0200				3			0
031.99	Phosphorus, Miscellaneous (%)	0100	1.245	0.1100				3			0
032.02	Potassium, Flame Emission (%)	0884	1.225	0.0100				2			0
032.02	Potassium, Flame Emission (%)	2248	1.360	0.0000				2			0
032.31	Potassium, AAS, Dry ash (%)	2146	1.170	0.0000	1.226	0.0590	0.0252	12	-0.94	2%	0
032.31	Potassium, AAS, Dry ash (%)	0529	1.180	0.0400	1.226	0.0590	0.0252	12	-0.78	2%	0
032.31	Potassium, AAS, Dry ash (%)	0536	1.185	0.0100	1.226	0.0590	0.0252	12	-0.69	2%	0
032.31	Potassium, AAS, Dry ash (%)	2097	1.186	0.0000	1.226	0.0590	0.0252	12	-0.68	2%	0
032.31	Potassium, AAS, Dry ash (%)	0175	1.200	0.0600	1.226	0.0590	0.0252	12	-0.44	1%	0
032.31	Potassium, AAS, Dry ash (%)	0208	1.210	0.0600	1.226	0.0590	0.0252	12	-0.27	1%	0
032.31	Potassium, AAS, Dry ash (%)	2022	1.213	0.0010	1.226	0.0590	0.0252	12	-0.22	1%	0
032.31	Potassium, AAS, Dry ash (%)	0868	1.220	0.0400	1.226	0.0590	0.0252	12	-0.10	0%	0
032.31	Potassium, AAS, Dry ash (%)	0038	1.223	0.0147	1.226	0.0590	0.0252	12	-0.05	0%	0
032.31	Potassium, AAS, Dry ash (%)	0948	1.304	0.0170	1.226	0.0590	0.0252	12	1.32	3%	0
032.31	Potassium, AAS, Dry ash (%)	0939	1.305	0.0300	1.226	0.0590	0.0252	12	1.34	3%	0
032.31	Potassium, AAS, Dry ash (%)	0874	1.445	0.0300	1.226	0.0590	0.0252	12	3.72	9%	0
032.31	Potassium, AAS, Dry ash (%)	0142	1.344	0.1473	1.226	0.0590	0.0252	12	2.00	5%	1
032.32	Potassium, AAS, Open vessel (%)	2246	0.4600	0.0400				3			0
032.32	Potassium, AAS, Open vessel (%)	0609	1.245	0.0100				3			0
032.32	Potassium, AAS, Open vessel (%)	0169	1.265	0.0100				3			0
032.41	Potassium, ICP, Dry ash (%)	0720	1.100	0.0000	1.209	0.0702	0.0307	30	-1.54	4%	0
032.41	Potassium, ICP, Dry ash (%)	0229	1.102	0.0540	1.209	0.0702	0.0307	30	-1.52	4%	0
032.41	Potassium, ICP, Dry ash (%)	0511	1.120	0.0600	1.209	0.0702	0.0307	30	-1.26	4%	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 (%)	2018	1.130	0.0200	1.209	0.0702	0.0307	30	-1.12	3%	0
032.41	Potassium, ICP, Dry ash (%)	0004	1.140	0.0200	1.209	0.0702	0.0307	30	-0.98	3%	0
032.41	Potassium, ICP, Dry ash (%)	0123	1.145	0.0500	1.209	0.0702	0.0307	30	-0.90	3%	0
032.41	Potassium, ICP, Dry ash (%)	2012	1.150	0.0000	1.209	0.0702	0.0307	30	-0.83	2%	0
032.41	Potassium, ICP, Dry ash (%)	0405	1.156	0.0170	1.209	0.0702	0.0307	30	-0.75	2%	0
032.41	Potassium, ICP, Dry ash (%)	0354	1.160	0.0000	1.209	0.0702	0.0307	30	-0.69	2%	0
032.41	Potassium, ICP, Dry ash (%)	0148	1.170	0.0200	1.209	0.0702	0.0307	30	-0.55	2%	0
032.41	Potassium, ICP, Dry ash (%)	0910	1.185	0.0300	1.209	0.0702	0.0307	30	-0.33	1%	0
032.41	Potassium, ICP, Dry ash (%)	0619	1.190	0.0000	1.209	0.0702	0.0307	30	-0.26	1%	0
032.41	Potassium, ICP, Dry ash (%)	0049	1.195	0.0500	1.209	0.0702	0.0307	30	-0.19	1%	0
032.41	Potassium, ICP, Dry ash (%)	0208	1.199	0.0880	1.209	0.0702	0.0307	30	-0.14	0%	0
032.41	Potassium, ICP, Dry ash (%)	0003	1.215	0.0100	1.209	0.0702	0.0307	30	0.09	0%	0
032.41	Potassium, ICP, Dry ash (%)	0878	1.220	0.0200	1.209	0.0702	0.0307	30	0.16	0%	0
032.41	Potassium, ICP, Dry ash (%)	0144	1.225	0.0100	1.209	0.0702	0.0307	30	0.23	1%	0
032.41	Potassium, ICP, Dry ash (%)	0407	1.226	0.0090	1.209	0.0702	0.0307	30	0.24	1%	0
032.41	Potassium, ICP, Dry ash (%)	0019	1.230	0.0400	1.209	0.0702	0.0307	30	0.31	1%	0
032.41	Potassium, ICP, Dry ash (%)	0164	1.230	0.0200	1.209	0.0702	0.0307	30	0.31	1%	0
032.41	Potassium, ICP, Dry ash (%)	0653	1.244	0.1720	1.209	0.0702	0.0307	30	0.51	1%	0
032.41	Potassium, ICP, Dry ash (%)	0139	1.244	0.0020	1.209	0.0702	0.0307	30	0.51	1%	0
032.41	Potassium, ICP, Dry ash (%)	0074	1.245	0.0100	1.209	0.0702	0.0307	30	0.52	2%	0
032.41	Potassium, ICP, Dry ash (%)	0695	1.261	0.0400	1.209	0.0702	0.0307	30	0.75	2%	0
032.41	Potassium, ICP, Dry ash (%)	0066	1.268	0.0250	1.209	0.0702	0.0307	30	0.84	2%	0
032.41	Potassium, ICP, Dry ash (%)	0171	1.275	0.0100	1.209	0.0702	0.0307	30	0.95	3%	0
032.41	Potassium, ICP, Dry ash (%)	0226	1.300	0.0600	1.209	0.0702	0.0307	30	1.30	4%	0
032.41	Potassium, ICP, Dry ash (%)	0520	1.300	0.0600	1.209	0.0702	0.0307	30	1.30	4%	0
032.41	Potassium, ICP, Dry ash (%)	0098	1.325	0.0100	1.209	0.0702	0.0307	30	1.66	5%	0
032.41	Potassium, ICP, Dry ash (%)	0598	1.328	0.0130	1.209	0.0702	0.0307	30	1.69	5%	0
032.41	Potassium, ICP, Dry ash (%)	0358	1.100	0.2000	1.209	0.0702	0.0307	30	-1.54	4%	1
032.42	Potassium, ICP, Open vessel (%)	0026	1.108	0.0650	1.267	0.0964	0.0334	20	-1.65	6%	0
032.42	Potassium, ICP, Open vessel (%)	2129	1.135	0.0700	1.267	0.0964	0.0334	20	-1.37	5%	0
032.42	Potassium, ICP, Open vessel (%)	0870	1.148	0.0440	1.267	0.0964	0.0334	20	-1.23	5%	0
032.42	Potassium, ICP, Open vessel (%)	0294	1.150	0.0200	1.267	0.0964	0.0334	20	-1.21	5%	0
032.42	Potassium, ICP, Open vessel (%)	0265	1.205	0.0300	1.267	0.0964	0.0334	20	-0.64	2%	0
032.42	Potassium, ICP, Open vessel (%)	0278	1.230	0.0200	1.267	0.0964	0.0334	20	-0.38	1%	0
032.42	Potassium, ICP, Open vessel (%)	0047	1.235	0.0500	1.267	0.0964	0.0334	20	-0.33	1%	0
032.42	Potassium, ICP, Open vessel (%)	0042	1.245	0.0100	1.267	0.0964	0.0334	20	-0.23	1%	0
032.42	Potassium, ICP, Open vessel (%)	0045	1.250	0.0600	1.267	0.0964	0.0334	20	-0.17	1%	0
032.42	Potassium, ICP, Open vessel (%)	0726	1.255	0.0070	1.267	0.0964	0.0334	20	-0.13	0%	0
032.42	Potassium, ICP, Open vessel (%)	0357	1.265	0.0040	1.267	0.0964	0.0334	20	-0.02	0%	0
032.42	Potassium, ICP, Open vessel (%)	0035	1.280	0.0000	1.267	0.0964	0.0334	20	0.14	1%	0
032.42	Potassium, ICP, Open vessel (%)	0693	1.320	0.0390	1.267	0.0964	0.0334	20	0.55	2%	0
032.42	Potassium, ICP, Open vessel (%)	0186	1.330	0.0200	1.267	0.0964	0.0334	20	0.66	2%	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	
032.42	Potassium, ICP, Open vessel (%)	0560	1.335	0.0686	1.267	0.0964	0.0334	20	0.70	3%	0
032.42	Potassium, ICP, Open vessel (%)	0263	1.339	0.0114	1.267	0.0964	0.0334	20	0.75	3%	0
032.42	Potassium, ICP, Open vessel (%)	0190	1.355	0.0100	1.267	0.0964	0.0334	20	0.92	3%	0
032.42	Potassium, ICP, Open vessel (%)	0037	1.357	0.1190	1.267	0.0964	0.0334	20	0.93	4%	0
032.42	Potassium, ICP, Open vessel (%)	0187	1.370	0.0000	1.267	0.0964	0.0334	20	1.07	4%	0
032.42	Potassium, ICP, Open vessel (%)	0366	1.510	0.0200	1.267	0.0964	0.0334	20	2.52	10%	0
032.43	Potassium, ICP, Microwave (%)	0505	0.9850	0.1300	1.279	0.0522	0.0354	26	-5.63	11%	0
032.43	Potassium, ICP, Microwave (%)	0038	1.180	0.0260	1.279	0.0522	0.0354	26	-1.89	4%	0
032.43	Potassium, ICP, Microwave (%)	0668	1.210	0.0800	1.279	0.0522	0.0354	26	-1.32	3%	0
032.43	Potassium, ICP, Microwave (%)	0425	1.215	0.0100	1.279	0.0522	0.0354	26	-1.22	2%	0
032.43	Potassium, ICP, Microwave (%)	0035	1.225	0.0700	1.279	0.0522	0.0354	26	-1.03	2%	0
032.43	Potassium, ICP, Microwave (%)	0345	1.240	0.0200	1.279	0.0522	0.0354	26	-0.74	2%	0
032.43	Potassium, ICP, Microwave (%)	0098	1.245	0.0100	1.279	0.0522	0.0354	26	-0.65	1%	0
032.43	Potassium, ICP, Microwave (%)	0033	1.255	0.0100	1.279	0.0522	0.0354	26	-0.46	1%	0
032.43	Potassium, ICP, Microwave (%)	0006	1.258	0.0220	1.279	0.0522	0.0354	26	-0.40	1%	0
032.43	Potassium, ICP, Microwave (%)	0017	1.267	0.0430	1.279	0.0522	0.0354	26	-0.24	0%	0
032.43	Potassium, ICP, Microwave (%)	0918	1.278	0.0140	1.279	0.0522	0.0354	26	-0.01	0%	0
032.43	Potassium, ICP, Microwave (%)	0202	1.280	0.0400	1.279	0.0522	0.0354	26	0.02	0%	0
032.43	Potassium, ICP, Microwave (%)	0610	1.280	0.0600	1.279	0.0522	0.0354	26	0.02	0%	0
032.43	Potassium, ICP, Microwave (%)	0682	1.280	0.0000	1.279	0.0522	0.0354	26	0.02	0%	0
032.43	Potassium, ICP, Microwave (%)	0297	1.285	0.0500	1.279	0.0522	0.0354	26	0.12	0%	0
032.43	Potassium, ICP, Microwave (%)	0968	1.288	0.0270	1.279	0.0522	0.0354	26	0.17	0%	0
032.43	Potassium, ICP, Microwave (%)	0407	1.289	0.0990	1.279	0.0522	0.0354	26	0.19	0%	0
032.43	Potassium, ICP, Microwave (%)	0083	1.305	0.0300	1.279	0.0522	0.0354	26	0.50	1%	0
032.43	Potassium, ICP, Microwave (%)	0675	1.305	0.0100	1.279	0.0522	0.0354	26	0.50	1%	0
032.43	Potassium, ICP, Microwave (%)	0036	1.310	0.0027	1.279	0.0522	0.0354	26	0.60	1%	0
032.43	Potassium, ICP, Microwave (%)	0027	1.325	0.0140	1.279	0.0522	0.0354	26	0.89	2%	0
032.43	Potassium, ICP, Microwave (%)	2089	1.325	0.0300	1.279	0.0522	0.0354	26	0.89	2%	0
032.43	Potassium, ICP, Microwave (%)	0089	1.330	0.0000	1.279	0.0522	0.0354	26	0.98	2%	0
032.43	Potassium, ICP, Microwave (%)	0508	1.348	0.1117	1.279	0.0522	0.0354	26	1.33	3%	0
032.43	Potassium, ICP, Microwave (%)	0510	1.350	0.0000	1.279	0.0522	0.0354	26	1.37	3%	0
032.43	Potassium, ICP, Microwave (%)	0353	1.355	0.0100	1.279	0.0522	0.0354	26	1.46	3%	0
032.51	Potassium, ICP-MS, Dry ash (%)	2146	1.270	0.0200				1			0
032.52	Potassium, ICP-MS, Open vessel (%)	0154	1.091	0.0079				2			0
032.52	Potassium, ICP-MS, Open vessel (%)	0186	1.255	0.0300				2			0
032.53	Potassium, ICP-MS, Microwave (%)	0572	1.150	0.1800				3			0
032.53	Potassium, ICP-MS, Microwave (%)	0939	1.285	0.0500				3			0
032.53	Potassium, ICP-MS, Microwave (%)	0553	1.300	0.0400				3			0
032.99	Potassium, Miscellaneous (%)	0001	1.266	0.0080				2			0
032.99	Potassium, Miscellaneous (%)	0100	1.345	0.1300				2			0
033.00	Salt as chloride, Sol Cl (%)	0298	2.370	0.0200	3.129	0.2018	0.0817	23	-3.76	12%	0
033.00	Salt as chloride, Sol Cl (%)	2193	2.505	0.0900	3.129	0.2018	0.0817	23	-3.09	10%	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	
033.00	Salt as chloride, Sol Cl (%)	0171	2.650	0.0200	3.129	0.2018	0.0817	23	-2.37	8%	0
033.00	Salt as chloride, Sol Cl (%)	0885	2.763	0.0551	3.129	0.2018	0.0817	23	-1.81	6%	0
033.00	Salt as chloride, Sol Cl (%)	0884	3.040	0.0600	3.129	0.2018	0.0817	23	-0.44	1%	0
033.00	Salt as chloride, Sol Cl (%)	0353	3.045	0.2300	3.129	0.2018	0.0817	23	-0.42	1%	0
033.00	Salt as chloride, Sol Cl (%)	0897	3.045	0.0100	3.129	0.2018	0.0817	23	-0.42	1%	0
033.00	Salt as chloride, Sol Cl (%)	2076	3.050	0.0000	3.129	0.2018	0.0817	23	-0.39	1%	0
033.00	Salt as chloride, Sol Cl (%)	0675	3.065	0.2300	3.129	0.2018	0.0817	23	-0.32	1%	0
033.00	Salt as chloride, Sol Cl (%)	0123	3.130	0.0000	3.129	0.2018	0.0817	23	0.01	0%	0
033.00	Salt as chloride, Sol Cl (%)	2009	3.132	0.0068	3.129	0.2018	0.0817	23	0.02	0%	0
033.00	Salt as chloride, Sol Cl (%)	0366	3.150	0.1600	3.129	0.2018	0.0817	23	0.10	0%	0
033.00	Salt as chloride, Sol Cl (%)	0881	3.181	0.1190	3.129	0.2018	0.0817	23	0.26	1%	0
033.00	Salt as chloride, Sol Cl (%)	0169	3.185	0.0900	3.129	0.2018	0.0817	23	0.28	1%	0
033.00	Salt as chloride, Sol Cl (%)	2022	3.204	0.0110	3.129	0.2018	0.0817	23	0.37	1%	0
033.00	Salt as chloride, Sol Cl (%)	0539	3.210	0.0400	3.129	0.2018	0.0817	23	0.40	1%	0
033.00	Salt as chloride, Sol Cl (%)	0045	3.245	0.1300	3.129	0.2018	0.0817	23	0.58	2%	0
033.00	Salt as chloride, Sol Cl (%)	0878	3.255	0.0900	3.129	0.2018	0.0817	23	0.63	2%	0
033.00	Salt as chloride, Sol Cl (%)	0309	3.270	0.1032	3.129	0.2018	0.0817	23	0.70	2%	0
033.00	Salt as chloride, Sol Cl (%)	2196	3.280	0.0000	3.129	0.2018	0.0817	23	0.75	2%	0
033.00	Salt as chloride, Sol Cl (%)	2190	3.361	0.1342	3.129	0.2018	0.0817	23	1.15	4%	0
033.00	Salt as chloride, Sol Cl (%)	0693	3.391	0.2200	3.129	0.2018	0.0817	23	1.30	4%	0
033.00	Salt as chloride, Sol Cl (%)	0511	3.420	0.0600	3.129	0.2018	0.0817	23	1.44	5%	0
033.01	Salt as chloride, Poten Cl (%)	0619	3.110	0.0000	3.244	0.0621	0.0573	26	-2.15	2%	0
033.01	Salt as chloride, Poten Cl (%)	0354	3.145	0.0100	3.244	0.0621	0.0573	26	-1.59	2%	0
033.01	Salt as chloride, Poten Cl (%)	0004	3.175	0.2100	3.244	0.0621	0.0573	26	-1.11	1%	0
033.01	Salt as chloride, Poten Cl (%)	0098	3.175	0.0300	3.244	0.0621	0.0573	26	-1.11	1%	0
033.01	Salt as chloride, Poten Cl (%)	0083	3.185	0.0500	3.244	0.0621	0.0573	26	-0.95	1%	0
033.01	Salt as chloride, Poten Cl (%)	0229	3.188	0.0120	3.244	0.0621	0.0573	26	-0.90	1%	0
033.01	Salt as chloride, Poten Cl (%)	0510	3.195	0.0500	3.244	0.0621	0.0573	26	-0.78	1%	0
033.01	Salt as chloride, Poten Cl (%)	0948	3.205	0.0300	3.244	0.0621	0.0573	26	-0.62	1%	0
033.01	Salt as chloride, Poten Cl (%)	0148	3.210	0.0680	3.244	0.0621	0.0573	26	-0.54	1%	0
033.01	Salt as chloride, Poten Cl (%)	0001	3.220	0.0200	3.244	0.0621	0.0573	26	-0.38	0%	0
033.01	Salt as chloride, Poten Cl (%)	0226	3.230	0.0000	3.244	0.0621	0.0573	26	-0.22	0%	0
033.01	Salt as chloride, Poten Cl (%)	0100	3.240	0.0200	3.244	0.0621	0.0573	26	-0.06	0%	0
033.01	Salt as chloride, Poten Cl (%)	0164	3.250	0.0200	3.244	0.0621	0.0573	26	0.10	0%	0
033.01	Salt as chloride, Poten Cl (%)	0026	3.265	0.1500	3.244	0.0621	0.0573	26	0.34	0%	0
033.01	Salt as chloride, Poten Cl (%)	0590	3.265	0.0300	3.244	0.0621	0.0573	26	0.34	0%	0
033.01	Salt as chloride, Poten Cl (%)	0019	3.265	0.0900	3.244	0.0621	0.0573	26	0.34	0%	0
033.01	Salt as chloride, Poten Cl (%)	2109	3.266	0.0500	3.244	0.0621	0.0573	26	0.36	0%	0
033.01	Salt as chloride, Poten Cl (%)	0175	3.270	0.0200	3.244	0.0621	0.0573	26	0.42	0%	0
033.01	Salt as chloride, Poten Cl (%)	2268	3.270	0.2400	3.244	0.0621	0.0573	26	0.42	0%	0
033.01	Salt as chloride, Poten Cl (%)	0644	3.280	0.0000	3.244	0.0621	0.0573	26	0.58	1%	0
033.01	Salt as chloride, Poten Cl (%)	0278	3.285	0.0100	3.244	0.0621	0.0573	26	0.66	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			
033.01	Salt as chloride, Poten Cl (%)	2146	3.305	0.1100	3.244	0.0621	0.0573	26	0.99	1%	0
033.01	Salt as chloride, Poten Cl (%)	0186	3.310	0.0600	3.244	0.0621	0.0573	26	1.07	1%	0
033.01	Salt as chloride, Poten Cl (%)	0407	3.311	0.1010	3.244	0.0621	0.0573	26	1.07	1%	0
033.01	Salt as chloride, Poten Cl (%)	0874	3.335	0.0300	3.244	0.0621	0.0573	26	1.47	1%	0
033.01	Salt as chloride, Poten Cl (%)	0939	3.350	0.0800	3.244	0.0621	0.0573	26	1.71	2%	0
033.01	Salt as chloride, Poten Cl (%)	0003	3.200	0.4000	3.244	0.0621	0.0573	26	-0.70	1%	1
033.03	Salt as chloride, Quantab (%)	0505	3.125	0.1300	3.361	0.2646	0.1460	5			0
033.03	Salt as chloride, Quantab (%)	0190	3.140	0.0000	3.361	0.2646	0.1460	5			0
033.03	Salt as chloride, Quantab (%)	0726	3.285	0.1500	3.361	0.2646	0.1460	5			0
033.03	Salt as chloride, Quantab (%)	0265	3.510	0.1400	3.361	0.2646	0.1460	5			0
033.03	Salt as chloride, Quantab (%)	0144	3.745	0.3100	3.361	0.2646	0.1460	5			0
033.05	Salt as chloride, Ion Sel Electrode (%)	0868	2.770	0.0200				3			0
033.05	Salt as chloride, Ion Sel Electrode (%)	2129	3.210	0.0600				3			0
033.05	Salt as chloride, Ion Sel Electrode (%)	0689	3.260	0.0400				3			0
033.99	Salt, Miscellaneous (%)	0358	1.970	0.0600	2.882	0.4792	0.0652	10	-1.90	16%	0
033.99	Salt, Miscellaneous (%)	0017	2.202	0.0520	2.882	0.4792	0.0652	10	-1.42	12%	0
033.99	Salt, Miscellaneous (%)	0027	2.509	0.1700	2.882	0.4792	0.0652	10	-0.78	6%	0
033.99	Salt, Miscellaneous (%)	0536	3.015	0.0300	2.882	0.4792	0.0652	10	0.28	2%	0
033.99	Salt, Miscellaneous (%)	0650	3.025	0.0500	2.882	0.4792	0.0652	10	0.30	2%	0
033.99	Salt, Miscellaneous (%)	0910	3.130	0.0600	2.882	0.4792	0.0652	10	0.52	4%	0
033.99	Salt, Miscellaneous (%)	2181	3.180	0.1800	2.882	0.4792	0.0652	10	0.62	5%	0
033.99	Salt, Miscellaneous (%)	2144	3.195	0.0300	2.882	0.4792	0.0652	10	0.65	5%	0
033.99	Salt, Miscellaneous (%)	0682	3.200	0.0000	2.882	0.4792	0.0652	10	0.66	6%	0
033.99	Salt, Miscellaneous (%)	2073	3.200	0.0200	2.882	0.4792	0.0652	10	0.66	6%	0
033.99	Salt, Miscellaneous (%)	0208	3.635	0.3900	2.882	0.4792	0.0652	10	1.57	13%	1
034.01	Selenium, Fluor (mg / kg (ppm))	0038	1.807	0.2360				1			0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0045	1.520	0.1000				3			0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0171	1.742	0.2897				3			0
034.04	Selenium, AA, Hydride (mg / kg (ppm))	0169	2.085	0.0100				3			0
034.41	Selenium, ICP, Dry ash (mg / kg (ppm))	0619	1.625	0.0900				3			0
034.41	Selenium, ICP, Dry ash (mg / kg (ppm))	0148	1.655	0.1100				3			0
034.41	Selenium, ICP, Dry ash (mg / kg (ppm))	0407	2.720	0.0800				3			0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	0968	2.620	0.1440				3			0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	0036	2.700	0.4000				3			0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	0407	2.755	0.2700				3			0
034.43	Selenium, ICP, Microwave (mg / kg (ppm))	0066	0.4470	0.0580				3			2
034.52	Selenium, ICP-MS, Open vessel (mg / kg (ppm))	0208	1.715	0.1100				2			0
034.52	Selenium, ICP-MS, Open vessel (mg / kg (ppm))	0186	1.920	0.0400				2			0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0553	1.690	0.1200	1.864	0.1511	0.1113	7	-1.15	5%	0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0033	1.765	0.2100	1.864	0.1511	0.1113	7	-0.66	3%	0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0164	1.795	0.2500	1.864	0.1511	0.1113	7	-0.46	2%	0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0939	1.800	0.0600	1.864	0.1511	0.1113	7	-0.43	2%	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	
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0560	1.964	0.0530	1.864	0.1511	0.1113	7	0.66	3%	0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	2012	2.010	0.0180	1.864	0.1511	0.1113	7	0.96	4%	0
034.53	Selenium, ICP-MS, Microwave (mg / kg (ppm))	0918	2.026	0.0684	1.864	0.1511	0.1113	7	1.07	4%	0
034.99	Selenium, Miscellaneous (mg / kg (ppm))	0190	2.850	0.0800				1			0
035.01	Sodium, Ion-selective electrode (%)	0689	0.8150	0.0100				3			0
035.01	Sodium, Ion-selective electrode (%)	0881	0.8385	0.0370				3			0
035.01	Sodium, Ion-selective electrode (%)	0868	0.8585	0.0050				3			0
035.02	Sodium, Em Spect (%)	0884	0.8700	0.0000				1			0
035.05	Sodium, Flame Emission (%)	2248	0.8200	0.0000				3			0
035.05	Sodium, Flame Emission (%)	0037	0.8810	0.0340				3			0
035.05	Sodium, Flame Emission (%)	0108	0.9200	0.0200				3			0
035.31	Sodium, AAS, Dry ash (%)	2246	0.4000	0.0000	0.8771	0.0719	0.0252	13	-6.64	27%	0
035.31	Sodium, AAS, Dry ash (%)	2196	0.8100	0.0000	0.8771	0.0719	0.0252	13	-0.93	4%	0
035.31	Sodium, AAS, Dry ash (%)	2022	0.8155	0.0090	0.8771	0.0719	0.0252	13	-0.86	4%	0
035.31	Sodium, AAS, Dry ash (%)	0536	0.8550	0.0100	0.8771	0.0719	0.0252	13	-0.31	1%	0
035.31	Sodium, AAS, Dry ash (%)	2146	0.8550	0.0300	0.8771	0.0719	0.0252	13	-0.31	1%	0
035.31	Sodium, AAS, Dry ash (%)	0142	0.8569	0.0495	0.8771	0.0719	0.0252	13	-0.28	1%	0
035.31	Sodium, AAS, Dry ash (%)	0868	0.8600	0.0200	0.8771	0.0719	0.0252	13	-0.24	1%	0
035.31	Sodium, AAS, Dry ash (%)	2097	0.8891	0.0304	0.8771	0.0719	0.0252	13	0.17	1%	0
035.31	Sodium, AAS, Dry ash (%)	0948	0.8975	0.0290	0.8771	0.0719	0.0252	13	0.28	1%	0
035.31	Sodium, AAS, Dry ash (%)	0208	0.8995	0.0490	0.8771	0.0719	0.0252	13	0.31	1%	0
035.31	Sodium, AAS, Dry ash (%)	0939	0.9250	0.0500	0.8771	0.0719	0.0252	13	0.67	3%	0
035.31	Sodium, AAS, Dry ash (%)	2258	0.9950	0.0100	0.8771	0.0719	0.0252	13	1.64	7%	0
035.31	Sodium, AAS, Dry ash (%)	0874	1.010	0.0410	0.8771	0.0719	0.0252	13	1.84	8%	0
035.31	Sodium, AAS, Dry ash (%)	0921	0.8209	0.1631	0.8771	0.0719	0.0252	13	-0.78	3%	1
035.32	Sodium, AAS, Open vessel (%)	0609	0.9350	0.0500				2			0
035.32	Sodium, AAS, Open vessel (%)	0169	0.9500	0.0200				2			0
035.41	Sodium, ICP, Dry ash (%)	0354	0.7400	0.0000	0.8281	0.0587	0.0198	27	-1.50	5%	0
035.41	Sodium, ICP, Dry ash (%)	0298	0.7500	0.0200	0.8281	0.0587	0.0198	27	-1.33	5%	0
035.41	Sodium, ICP, Dry ash (%)	0049	0.7550	0.0500	0.8281	0.0587	0.0198	27	-1.25	4%	0
035.41	Sodium, ICP, Dry ash (%)	0720	0.7600	0.0000	0.8281	0.0587	0.0198	27	-1.16	4%	0
035.41	Sodium, ICP, Dry ash (%)	0358	0.7750	0.0300	0.8281	0.0587	0.0198	27	-0.90	3%	0
035.41	Sodium, ICP, Dry ash (%)	0171	0.7900	0.0200	0.8281	0.0587	0.0198	27	-0.65	2%	0
035.41	Sodium, ICP, Dry ash (%)	2012	0.7900	0.0200	0.8281	0.0587	0.0198	27	-0.65	2%	0
035.41	Sodium, ICP, Dry ash (%)	0405	0.7915	0.0090	0.8281	0.0587	0.0198	27	-0.62	2%	0
035.41	Sodium, ICP, Dry ash (%)	0598	0.8048	0.0043	0.8281	0.0587	0.0198	27	-0.40	1%	0
035.41	Sodium, ICP, Dry ash (%)	0123	0.8050	0.0100	0.8281	0.0587	0.0198	27	-0.39	1%	0
035.41	Sodium, ICP, Dry ash (%)	0229	0.8060	0.0200	0.8281	0.0587	0.0198	27	-0.38	1%	0
035.41	Sodium, ICP, Dry ash (%)	0619	0.8065	0.0010	0.8281	0.0587	0.0198	27	-0.37	1%	0
035.41	Sodium, ICP, Dry ash (%)	2018	0.8100	0.0200	0.8281	0.0587	0.0198	27	-0.31	1%	0
035.41	Sodium, ICP, Dry ash (%)	0148	0.8245	0.0130	0.8281	0.0587	0.0198	27	-0.06	0%	0
035.41	Sodium, ICP, Dry ash (%)	0520	0.8246	0.0796	0.8281	0.0587	0.0198	27	-0.06	0%	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 (%)	0878	0.8350	0.0300	0.8281	0.0587	0.0198	27	0.12	0%	0
035.41	Sodium, ICP, Dry ash (%)	0653	0.8355	0.0390	0.8281	0.0587	0.0198	27	0.13	0%	0
035.41	Sodium, ICP, Dry ash (%)	0910	0.8450	0.0100	0.8281	0.0587	0.0198	27	0.29	1%	0
035.41	Sodium, ICP, Dry ash (%)	0695	0.8750	0.0180	0.8281	0.0587	0.0198	27	0.80	3%	0
035.41	Sodium, ICP, Dry ash (%)	0164	0.8775	0.0130	0.8281	0.0587	0.0198	27	0.84	3%	0
035.41	Sodium, ICP, Dry ash (%)	0019	0.8800	0.0000	0.8281	0.0587	0.0198	27	0.88	3%	0
035.41	Sodium, ICP, Dry ash (%)	0407	0.8810	0.0080	0.8281	0.0587	0.0198	27	0.90	3%	0
035.41	Sodium, ICP, Dry ash (%)	0139	0.8890	0.0200	0.8281	0.0587	0.0198	27	1.04	4%	0
035.41	Sodium, ICP, Dry ash (%)	0208	0.8925	0.0290	0.8281	0.0587	0.0198	27	1.10	4%	0
035.41	Sodium, ICP, Dry ash (%)	2152	0.8950	0.0100	0.8281	0.0587	0.0198	27	1.14	4%	0
035.41	Sodium, ICP, Dry ash (%)	0144	0.9050	0.0500	0.8281	0.0587	0.0198	27	1.31	5%	0
035.41	Sodium, ICP, Dry ash (%)	0098	0.9150	0.0100	0.8281	0.0587	0.0198	27	1.48	5%	0
035.41	Sodium, ICP, Dry ash (%)	0226	0.9050	0.1100	0.8281	0.0587	0.0198	27	1.31	5%	1
035.42	Sodium, ICP, Open vessel (%)	0294	0.8000	0.0200	0.8978	0.0786	0.0155	15	-1.24	5%	0
035.42	Sodium, ICP, Open vessel (%)	0366	0.8080	0.0200	0.8978	0.0786	0.0155	15	-1.14	5%	0
035.42	Sodium, ICP, Open vessel (%)	0045	0.8250	0.0500	0.8978	0.0786	0.0155	15	-0.93	4%	0
035.42	Sodium, ICP, Open vessel (%)	0265	0.8300	0.0000	0.8978	0.0786	0.0155	15	-0.86	4%	0
035.42	Sodium, ICP, Open vessel (%)	0278	0.8450	0.0100	0.8978	0.0786	0.0155	15	-0.67	3%	0
035.42	Sodium, ICP, Open vessel (%)	0263	0.8683	0.0026	0.8978	0.0786	0.0155	15	-0.38	2%	0
035.42	Sodium, ICP, Open vessel (%)	0035	0.8700	0.0000	0.8978	0.0786	0.0155	15	-0.35	2%	0
035.42	Sodium, ICP, Open vessel (%)	0042	0.9010	0.0360	0.8978	0.0786	0.0155	15	0.04	0%	0
035.42	Sodium, ICP, Open vessel (%)	0870	0.9082	0.0066	0.8978	0.0786	0.0155	15	0.13	1%	0
035.42	Sodium, ICP, Open vessel (%)	0693	0.9280	0.0160	0.8978	0.0786	0.0155	15	0.38	2%	0
035.42	Sodium, ICP, Open vessel (%)	0190	0.9400	0.0200	0.8978	0.0786	0.0155	15	0.54	2%	0
035.42	Sodium, ICP, Open vessel (%)	0560	0.9627	0.0192	0.8978	0.0786	0.0155	15	0.83	4%	0
035.42	Sodium, ICP, Open vessel (%)	0726	0.9779	0.0060	0.8978	0.0786	0.0155	15	1.02	4%	0
035.42	Sodium, ICP, Open vessel (%)	0186	0.9880	0.0160	0.8978	0.0786	0.0155	15	1.15	5%	0
035.42	Sodium, ICP, Open vessel (%)	0187	1.015	0.0100	0.8978	0.0786	0.0155	15	1.49	7%	0
035.43	Sodium, ICP, Microwave (%)	2192	0.6850	0.0300	0.8836	0.0590	0.0290	23	-3.37	11%	0
035.43	Sodium, ICP, Microwave (%)	0505	0.7200	0.0600	0.8836	0.0590	0.0290	23	-2.78	9%	0
035.43	Sodium, ICP, Microwave (%)	0089	0.7950	0.0100	0.8836	0.0590	0.0290	23	-1.50	5%	0
035.43	Sodium, ICP, Microwave (%)	0675	0.8250	0.0100	0.8836	0.0590	0.0290	23	-0.99	3%	0
035.43	Sodium, ICP, Microwave (%)	0682	0.8400	0.0000	0.8836	0.0590	0.0290	23	-0.74	2%	0
035.43	Sodium, ICP, Microwave (%)	0345	0.8495	0.0110	0.8836	0.0590	0.0290	23	-0.58	2%	0
035.43	Sodium, ICP, Microwave (%)	0098	0.8550	0.0100	0.8836	0.0590	0.0290	23	-0.49	2%	0
035.43	Sodium, ICP, Microwave (%)	0006	0.8605	0.0050	0.8836	0.0590	0.0290	23	-0.39	1%	0
035.43	Sodium, ICP, Microwave (%)	0017	0.8665	0.0210	0.8836	0.0590	0.0290	23	-0.29	1%	0
035.43	Sodium, ICP, Microwave (%)	0610	0.8750	0.0700	0.8836	0.0590	0.0290	23	-0.15	0%	0
035.43	Sodium, ICP, Microwave (%)	0297	0.8800	0.1000	0.8836	0.0590	0.0290	23	-0.06	0%	0
035.43	Sodium, ICP, Microwave (%)	0202	0.8890	0.0020	0.8836	0.0590	0.0290	23	0.09	0%	0
035.43	Sodium, ICP, Microwave (%)	0035	0.8900	0.0600	0.8836	0.0590	0.0290	23	0.11	0%	0
035.43	Sodium, ICP, Microwave (%)	0918	0.8925	0.0210	0.8836	0.0590	0.0290	23	0.15	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	
035.43	Sodium, ICP, Microwave (%)	0407	0.8960	0.0380	0.8836	0.0590	0.0290	23	0.21	1%	0
035.43	Sodium, ICP, Microwave (%)	2089	0.9200	0.0000	0.8836	0.0590	0.0290	23	0.62	2%	0
035.43	Sodium, ICP, Microwave (%)	0508	0.9233	0.0677	0.8836	0.0590	0.0290	23	0.67	2%	0
035.43	Sodium, ICP, Microwave (%)	0425	0.9275	0.0010	0.8836	0.0590	0.0290	23	0.74	2%	0
035.43	Sodium, ICP, Microwave (%)	0353	0.9350	0.0700	0.8836	0.0590	0.0290	23	0.87	3%	0
035.43	Sodium, ICP, Microwave (%)	0038	0.9385	0.0470	0.8836	0.0590	0.0290	23	0.93	3%	0
035.43	Sodium, ICP, Microwave (%)	0668	0.9475	0.0210	0.8836	0.0590	0.0290	23	1.08	4%	0
035.43	Sodium, ICP, Microwave (%)	0083	0.9550	0.0100	0.8836	0.0590	0.0290	23	1.21	4%	0
035.43	Sodium, ICP, Microwave (%)	0510	1.002	0.0030	0.8836	0.0590	0.0290	23	2.00	7%	0
035.51	Sodium, ICP-MS, Dry ash (%)	2146	0.8850	0.0300				1			0
035.52	Sodium, ICP-MS, Open vessel (%)	0186	0.9120	0.0140				2			0
035.52	Sodium, ICP-MS, Open vessel (%)	0154	0.9335	0.0181				2			0
035.53	Sodium, ICP-MS, Microwave (%)	0572	0.8790	0.0880				3			0
035.53	Sodium, ICP-MS, Microwave (%)	0939	0.9150	0.0300				3			0
035.53	Sodium, ICP-MS, Microwave (%)	0553	8.635	0.3100				3			0
035.99	Sodium, Miscellaneous (%)	2129	0.8420	0.0100				3			0
035.99	Sodium, Miscellaneous (%)	0590	0.8700	0.0400				3			0
035.99	Sodium, Miscellaneous (%)	0100	0.9750	0.0700				3			0
036.04	Sulfur, LECO (%)	0226	0.3400	0.0000				3			0
036.04	Sulfur, LECO (%)	0229	0.3700	0.0200				3			0
036.04	Sulfur, LECO (%)	0148	0.3875	0.0030				3			0
036.42	Sulfur, ICP, Open vessel (%)	0037	0.2765	0.0010	0.3673	0.0329	0.0078	20	-2.76	12%	0
036.42	Sulfur, ICP, Open vessel (%)	0045	0.3165	0.0070	0.3673	0.0329	0.0078	20	-1.54	7%	0
036.42	Sulfur, ICP, Open vessel (%)	0171	0.3350	0.0100	0.3673	0.0329	0.0078	20	-0.98	4%	0
036.42	Sulfur, ICP, Open vessel (%)	0870	0.3373	0.0110	0.3673	0.0329	0.0078	20	-0.91	4%	0
036.42	Sulfur, ICP, Open vessel (%)	0357	0.3417	0.0041	0.3673	0.0329	0.0078	20	-0.78	3%	0
036.42	Sulfur, ICP, Open vessel (%)	2129	0.3430	0.0080	0.3673	0.0329	0.0078	20	-0.74	3%	0
036.42	Sulfur, ICP, Open vessel (%)	0366	0.3450	0.0100	0.3673	0.0329	0.0078	20	-0.68	3%	0
036.42	Sulfur, ICP, Open vessel (%)	0229	0.3600	0.0000	0.3673	0.0329	0.0078	20	-0.22	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0265	0.3600	0.0200	0.3673	0.0329	0.0078	20	-0.22	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0708	0.3735	0.0050	0.3673	0.0329	0.0078	20	0.19	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0164	0.3750	0.0100	0.3673	0.0329	0.0078	20	0.23	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0278	0.3750	0.0100	0.3673	0.0329	0.0078	20	0.23	1%	0
036.42	Sulfur, ICP, Open vessel (%)	0726	0.3789	0.0002	0.3673	0.0329	0.0078	20	0.35	2%	0
036.42	Sulfur, ICP, Open vessel (%)	0693	0.3830	0.0140	0.3673	0.0329	0.0078	20	0.48	2%	0
036.42	Sulfur, ICP, Open vessel (%)	0186	0.3935	0.0070	0.3673	0.0329	0.0078	20	0.80	4%	0
036.42	Sulfur, ICP, Open vessel (%)	0190	0.3950	0.0100	0.3673	0.0329	0.0078	20	0.84	4%	0
036.42	Sulfur, ICP, Open vessel (%)	0042	0.3960	0.0100	0.3673	0.0329	0.0078	20	0.87	4%	0
036.42	Sulfur, ICP, Open vessel (%)	0187	0.4031	0.0049	0.3673	0.0329	0.0078	20	1.09	5%	0
036.42	Sulfur, ICP, Open vessel (%)	0294	0.4050	0.0100	0.3673	0.0329	0.0078	20	1.15	5%	0
036.42	Sulfur, ICP, Open vessel (%)	0560	0.4101	0.0034	0.3673	0.0329	0.0078	20	1.30	6%	0
036.42	Sulfur, ICP, Open vessel (%)	0035	0.4000	0.0400	0.3673	0.0329	0.0078	20	0.99	4%	1

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	
036.43	Sulfur, ICP, Microwave (%)	0038	0.3550	0.0120	0.3826	0.0281	0.0148	15	-0.98	4%	0
036.43	Sulfur, ICP, Microwave (%)	0345	0.3590	0.0020	0.3826	0.0281	0.0148	15	-0.84	3%	0
036.43	Sulfur, ICP, Microwave (%)	0297	0.3600	0.0200	0.3826	0.0281	0.0148	15	-0.80	3%	0
036.43	Sulfur, ICP, Microwave (%)	0668	0.3610	0.0280	0.3826	0.0281	0.0148	15	-0.77	3%	0
036.43	Sulfur, ICP, Microwave (%)	0035	0.3650	0.0100	0.3826	0.0281	0.0148	15	-0.63	2%	0
036.43	Sulfur, ICP, Microwave (%)	0169	0.3650	0.0100	0.3826	0.0281	0.0148	15	-0.63	2%	0
036.43	Sulfur, ICP, Microwave (%)	0083	0.3700	0.0000	0.3826	0.0281	0.0148	15	-0.45	2%	0
036.43	Sulfur, ICP, Microwave (%)	0353	0.3700	0.0400	0.3826	0.0281	0.0148	15	-0.45	2%	0
036.43	Sulfur, ICP, Microwave (%)	0407	0.3850	0.0020	0.3826	0.0281	0.0148	15	0.08	0%	0
036.43	Sulfur, ICP, Microwave (%)	0202	0.3870	0.0040	0.3826	0.0281	0.0148	15	0.16	1%	0
036.43	Sulfur, ICP, Microwave (%)	0098	0.3887	0.0015	0.3826	0.0281	0.0148	15	0.21	1%	0
036.43	Sulfur, ICP, Microwave (%)	0918	0.4090	0.0020	0.3826	0.0281	0.0148	15	0.94	3%	0
036.43	Sulfur, ICP, Microwave (%)	2089	0.4150	0.0300	0.3826	0.0281	0.0148	15	1.15	4%	0
036.43	Sulfur, ICP, Microwave (%)	0505	0.4250	0.0500	0.3826	0.0281	0.0148	15	1.51	6%	0
036.43	Sulfur, ICP, Microwave (%)	0510	0.4350	0.0100	0.3826	0.0281	0.0148	15	1.86	7%	0
036.52	Sulfur, ICP-MS, Open vessel (%)	0186	0.3710	0.0100				2			0
036.52	Sulfur, ICP-MS, Open vessel (%)	0910	0.4080	0.0084				2			0
036.53	Sulfur, ICP-MS, Microwave (%)	0553	0.3740	0.0260				1			0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	2022	300.0	2.000	356.2	37.97	4.763	15	-1.48	8%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	2248	305.0	0.0000	356.2	37.97	4.763	15	-1.35	7%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	2097	319.9	0.1500	356.2	37.97	4.763	15	-0.96	5%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	2188	334.0	10.00	356.2	37.97	4.763	15	-0.59	3%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0536	343.3	2.050	356.2	37.97	4.763	15	-0.34	2%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0175	348.5	7.000	356.2	37.97	4.763	15	-0.20	1%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0689	348.9	4.100	356.2	37.97	4.763	15	-0.19	1%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0868	359.0	4.000	356.2	37.97	4.763	15	0.07	0%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0001	366.4	4.800	356.2	37.97	4.763	15	0.27	1%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	2062	367.7	1.590	356.2	37.97	4.763	15	0.30	2%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	2196	370.7	0.0000	356.2	37.97	4.763	15	0.38	2%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	2146	372.5	9.750	356.2	37.97	4.763	15	0.43	2%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0874	381.0	2.000	356.2	37.97	4.763	15	0.65	3%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0939	420.0	16.00	356.2	37.97	4.763	15	1.68	9%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0208	421.0	8.000	356.2	37.97	4.763	15	1.71	9%	0
037.31	Zinc, AAS, Dry ash (mg / kg (ppm))	0884	959.3	43.00	356.2	37.97	4.763	15	15.88	85%	2
037.32	Zinc, AAS, Open vessel (mg / kg (ppm))	0609	149.6	0.9000				2			0
037.32	Zinc, AAS, Open vessel (mg / kg (ppm))	2128	322.6	75.33				2			0
037.33	Zinc, AAS, Microwave (mg / kg (ppm))	2246	157.5	26.80				2			0
037.33	Zinc, AAS, Microwave (mg / kg (ppm))	2178	371.0	24.00				2			0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0848	255.6	6.660	342.6	32.84	18.34	27	-2.65	13%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0695	284.2	17.91	342.6	32.84	18.34	27	-1.78	9%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	2012	302.0	4.030	342.6	32.84	18.34	27	-1.24	6%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0049	302.4	35.60	342.6	32.84	18.34	27	-1.22	6%	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	
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0226	308.3	59.21	342.6	32.84	18.34	27	-1.05	5%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0511	316.5	29.00	342.6	32.84	18.34	27	-0.80	4%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0354	317.3	1.850	342.6	32.84	18.34	27	-0.77	4%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0520	321.5	17.00	342.6	32.84	18.34	27	-0.64	3%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0878	325.0	10.00	342.6	32.84	18.34	27	-0.54	3%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0405	326.9	10.39	342.6	32.84	18.34	27	-0.48	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0598	334.3	0.3000	342.6	32.84	18.34	27	-0.26	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0164	339.5	1.000	342.6	32.84	18.34	27	-0.10	0%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0148	349.0	0.0000	342.6	32.84	18.34	27	0.19	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0098	349.7	9.400	342.6	32.84	18.34	27	0.22	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0074	352.0	44.00	342.6	32.84	18.34	27	0.29	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0720	352.6	3.620	342.6	32.84	18.34	27	0.30	1%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0619	353.0	0.0000	342.6	32.84	18.34	27	0.32	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0229	354.5	23.10	342.6	32.84	18.34	27	0.36	2%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0171	360.5	3.000	342.6	32.84	18.34	27	0.54	3%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0358	363.0	16.05	342.6	32.84	18.34	27	0.62	3%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0004	364.1	7.420	342.6	32.84	18.34	27	0.65	3%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0407	367.1	19.33	342.6	32.84	18.34	27	0.75	4%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0019	370.1	8.900	342.6	32.84	18.34	27	0.83	4%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0208	375.3	5.100	342.6	32.84	18.34	27	0.99	5%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0003	376.0	74.00	342.6	32.84	18.34	27	1.02	5%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0508	398.0	6.260	342.6	32.84	18.34	27	1.69	8%	0
037.41	Zinc, ICP, Dry ash (mg / kg (ppm))	0910	402.0	82.00	342.6	32.84	18.34	27	1.81	9%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0294	333.2	15.50	392.4	34.28	9.519	18	-1.73	8%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0045	350.5	37.00	392.4	34.28	9.519	18	-1.22	5%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0026	355.4	20.72	392.4	34.28	9.519	18	-1.08	5%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0186	363.5	9.000	392.4	34.28	9.519	18	-0.84	4%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0357	371.2	6.730	392.4	34.28	9.519	18	-0.62	3%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0366	377.5	15.00	392.4	34.28	9.519	18	-0.44	2%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	2053	379.0	2.000	392.4	34.28	9.519	18	-0.39	2%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0265	382.0	8.000	392.4	34.28	9.519	18	-0.30	1%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0263	384.3	2.710	392.4	34.28	9.519	18	-0.24	1%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0278	388.2	0.5000	392.4	34.28	9.519	18	-0.12	1%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0693	396.3	10.96	392.4	34.28	9.519	18	0.11	0%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0037	406.3	9.500	392.4	34.28	9.519	18	0.40	2%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0035	425.0	6.000	392.4	34.28	9.519	18	0.95	4%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0187	425.8	4.800	392.4	34.28	9.519	18	0.97	4%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0726	426.1	0.9000	392.4	34.28	9.519	18	0.98	4%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0560	426.9	10.80	392.4	34.28	9.519	18	1.01	4%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0870	430.8	1.000	392.4	34.28	9.519	18	1.12	5%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0190	433.8	10.22	392.4	34.28	9.519	18	1.21	5%	0
037.42	Zinc, ICP, Open vessel (mg / kg (ppm))	0042	403.5	49.00	392.4	34.28	9.519	18	0.32	1%	1

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	
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0610	319.0	6.000	390.7	40.48	19.71	23	-1.77	9%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0345	332.9	3.300	390.7	40.48	19.71	23	-1.43	7%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0353	347.5	5.000	390.7	40.48	19.71	23	-1.07	6%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2192	353.7	40.56	390.7	40.48	19.71	23	-0.92	5%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0505	355.5	25.60	390.7	40.48	19.71	23	-0.87	5%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0675	363.1	12.94	390.7	40.48	19.71	23	-0.68	4%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0017	365.6	17.00	390.7	40.48	19.71	23	-0.62	3%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0169	367.5	11.00	390.7	40.48	19.71	23	-0.57	3%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0425	373.6	6.300	390.7	40.48	19.71	23	-0.42	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0668	386.0	38.00	390.7	40.48	19.71	23	-0.12	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0035	389.0	18.00	390.7	40.48	19.71	23	-0.04	0%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0682	390.0	0.0000	390.7	40.48	19.71	23	-0.02	0%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0510	396.0	2.000	390.7	40.48	19.71	23	0.13	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0038	397.5	29.00	390.7	40.48	19.71	23	0.17	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0407	399.1	37.90	390.7	40.48	19.71	23	0.21	1%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0918	406.1	30.83	390.7	40.48	19.71	23	0.38	2%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0202	414.3	31.21	390.7	40.48	19.71	23	0.58	3%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0083	419.0	4.000	390.7	40.48	19.71	23	0.70	4%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0297	426.0	74.00	390.7	40.48	19.71	23	0.87	5%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0098	435.1	24.80	390.7	40.48	19.71	23	1.10	6%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	2089	440.9	3.690	390.7	40.48	19.71	23	1.24	6%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0968	446.5	3.000	390.7	40.48	19.71	23	1.38	7%	0
037.43	Zinc, ICP, Microwave (mg / kg (ppm))	0027	463.1	29.20	390.7	40.48	19.71	23	1.79	9%	0
037.44	Zinc, ICP, Dry ash (mg / kg (ppm))	0066	296.1	11.88				2			0
037.44	Zinc, ICP, Dry ash (mg / kg (ppm))	2152	341.1	3.780				2			0
037.51	Zinc, ICP-MS, Dry ash (mg / kg (ppm))	2146	416.0	74.07				1			0
037.52	Zinc, ICP-MS, Open vessel (mg / kg (ppm))	0186	397.0	12.00				1			0
037.53	Zinc, ICP-MS, Microwave (mg / kg (ppm))	0553	401.0	18.00				3			0
037.53	Zinc, ICP-MS, Microwave (mg / kg (ppm))	0939	436.0	24.00				3			0
037.53	Zinc, ICP-MS, Microwave (mg / kg (ppm))	0572	515.5	81.00				3			0
037.99	Zinc, Miscellaneous (mg / kg (ppm))	0590	331.5	3.000				3			0
037.99	Zinc, Miscellaneous (mg / kg (ppm))	2129	353.0	4.000				3			0
037.99	Zinc, Miscellaneous (mg / kg (ppm))	0100	457.0	38.00				3			0
038.32	Molybdenum, AAS, Open vessel (mg / kg (ppm))	0508	10.02	0.1769				1			0
038.41	Molybdenum, ICP, Dry ash (mg / kg (ppm))	0171	8.248	1.099	9.324	0.9601	0.9305	4			0
038.41	Molybdenum, ICP, Dry ash (mg / kg (ppm))	0226	9.035	0.1900	9.324	0.9601	0.9305	4			0
038.41	Molybdenum, ICP, Dry ash (mg / kg (ppm))	0407	9.465	2.333	9.324	0.9601	0.9305	4			0
038.41	Molybdenum, ICP, Dry ash (mg / kg (ppm))	0148	10.55	0.1000	9.324	0.9601	0.9305	4			0
038.42	Molybdenum, ICP, Open vessel (mg / kg (ppm))	0278	8.025	0.4700	9.812	1.534	0.7845	4			0
038.42	Molybdenum, ICP, Open vessel (mg / kg (ppm))	0265	9.330	1.140	9.812	1.534	0.7845	4			0
038.42	Molybdenum, ICP, Open vessel (mg / kg (ppm))	0045	10.22	0.7600	9.812	1.534	0.7845	4			0
038.42	Molybdenum, ICP, Open vessel (mg / kg (ppm))	0693	11.67	0.7680	9.812	1.534	0.7845	4			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	
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0345	7.495	0.5700	9.075	1.116	0.4450	7	-1.42	9%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0083	8.550	0.1000	9.075	1.116	0.4450	7	-0.47	3%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0353	8.871	0.1849	9.075	1.116	0.4450	7	-0.18	1%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0407	9.001	0.9400	9.075	1.116	0.4450	7	-0.07	0%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0169	9.115	0.2300	9.075	1.116	0.4450	7	0.04	0%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0510	9.900	0.0000	9.075	1.116	0.4450	7	0.74	5%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0297	10.60	1.090	9.075	1.116	0.4450	7	1.36	8%	0
038.43	Molybdenum, ICP, Microwave (mg / kg (ppm))	0038	15.66	5.920	9.075	1.116	0.4450	7	5.90	36%	1
038.52	Molybdenum, ICP-MS, Open vessel (mg / kg (ppm))	0186	9.970	0.8600				1			0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	0164	9.760	1.880	10.31	0.5412	1.145	4			0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	0939	10.15	0.2500	10.31	0.5412	1.145	4			0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	0918	10.27	1.150	10.31	0.5412	1.145	4			0
038.53	Molybdenum, ICP-MS, Microwave (mg / kg (ppm))	0553	11.05	1.300	10.31	0.5412	1.145	4			0
040.42	Barium, ICP, Open vessel (mg / kg (ppm))	0560	16.60	0.7600				1			0
040.53	Barium, ICP-MS, Microwave (mg / kg (ppm))	0918	16.89	0.0764				1			0
041.53	Vanadium, ICP-MS, Microwave (mg / kg (ppm))	0553	3.285	0.0500				1			0
042.00	Chloride, Titrimetric (%)	0948	1.950	0.0200				1			0
042.99	Chloride, Miscellaneous (%)	0297	1.935	0.0100				2			0
042.99	Chloride, Miscellaneous (%)	0160	1.945	0.0300				2			0
101.02	Choline Chloride, LC (mg / kg (ppm))	0227	1,310	40.00				1			0
102.01	Niacin, Microbiological (mg / kg (ppm))	0227	77.80	4.000				1			0
103.01	Pantothenic Acid, Microbiological (mg / kg (ppm))	0227	7.525	0.0500				1			0
104.00	Riboflavin, Fluorometric (mg / kg (ppm))	0227	2.630	0.3800				2			0
104.00	Riboflavin, Fluorometric (mg / kg (ppm))	0171	4.995	0.5900				2			0
104.03	Riboflavin, LC (mg / kg (ppm))	0910	0.7950	0.0500				1			0
105.00	Thiamine, LC (mg / kg (ppm))	0910	2.170	0.5400				1			0
105.01	Thiamine, Fluorometer (mg / kg (ppm))	0227	3.920	0.0400				1			0
106.00	Vitamin A, Color (KU / kg)	0171	55.20	2.400				2			0
106.00	Vitamin A, Color (KU / kg)	0019	88.80	1.250				2			0
106.01	Vitamin A, UV (KU / kg)	0098	46.95	19.90				2			0
106.01	Vitamin A, UV (KU / kg)	2144	79.45	0.4300				2			0
106.02	Vitamin A, LC (KU / kg)	0619	0.0650	0.0160	38.24	11.55	4.549	19	-3.31	50%	0
106.02	Vitamin A, LC (KU / kg)	0875	5.200	0.0000	38.24	11.55	4.549	19	-2.86	43%	0
106.02	Vitamin A, LC (KU / kg)	0038	23.33	8.197	38.24	11.55	4.549	19	-1.29	19%	0
106.02	Vitamin A, LC (KU / kg)	0675	27.78	6.190	38.24	11.55	4.549	19	-0.91	14%	0
106.02	Vitamin A, LC (KU / kg)	0905	29.98	1.973	38.24	11.55	4.549	19	-0.71	11%	0
106.02	Vitamin A, LC (KU / kg)	0610	35.60	3.200	38.24	11.55	4.549	19	-0.23	3%	0
106.02	Vitamin A, LC (KU / kg)	0563	36.08	4.821	38.24	11.55	4.549	19	-0.19	3%	0
106.02	Vitamin A, LC (KU / kg)	0036	38.10	0.8000	38.24	11.55	4.549	19	-0.01	0%	0
106.02	Vitamin A, LC (KU / kg)	0689	38.15	0.1000	38.24	11.55	4.549	19	-0.01	0%	0
106.02	Vitamin A, LC (KU / kg)	0227	39.60	10.80	38.24	11.55	4.549	19	0.12	2%	0
106.02	Vitamin A, LC (KU / kg)	0035	39.95	2.270	38.24	11.55	4.549	19	0.15	2%	0

Method Code	Analyte Name and Method (Units)	Lab Code	Lab Data		Method Values				AAFCO PT	Threshold	Flag
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106.02	Vitamin A, LC (KU / kg)	0004	40.08	6.160	38.24	11.55	4.549	19	0.16	2%	0
106.02	Vitamin A, LC (KU / kg)	2053	40.80	7.400	38.24	11.55	4.549	19	0.22	3%	0
106.02	Vitamin A, LC (KU / kg)	2192	42.70	5.400	38.24	11.55	4.549	19	0.39	6%	0
106.02	Vitamin A, LC (KU / kg)	0014	44.85	9.900	38.24	11.55	4.549	19	0.57	9%	0
106.02	Vitamin A, LC (KU / kg)	2103	48.85	6.640	38.24	11.55	4.549	19	0.92	14%	0
106.02	Vitamin A, LC (KU / kg)	0910	49.95	5.900	38.24	11.55	4.549	19	1.01	15%	0
106.02	Vitamin A, LC (KU / kg)	0017	53.31	4.760	38.24	11.55	4.549	19	1.31	20%	0
106.02	Vitamin A, LC (KU / kg)	0676	64.95	1.900	38.24	11.55	4.549	19	2.31	35%	0
106.02	Vitamin A, LC (KU / kg)	0148	50.35	23.90	38.24	11.55	4.549	19	1.05	16%	1
107.00	Vitamin B12, Microbiological (µg / kg (ppb))	0227	32.45	2.700				1			0
108.02	Vitamin D3, LC (KU / kg)	0619	0.0040	0.0020	2.345	1.413	0.3724	5			0
108.02	Vitamin D3, LC (KU / kg)	0208	2.195	1.050	2.345	1.413	0.3724	5			0
108.02	Vitamin D3, LC (KU / kg)	2192	2.665	0.0100	2.345	1.413	0.3724	5			0
108.02	Vitamin D3, LC (KU / kg)	0227	3.310	0.5000	2.345	1.413	0.3724	5			0
108.02	Vitamin D3, LC (KU / kg)	0910	3.550	0.3000	2.345	1.413	0.3724	5			0
108.02	Vitamin D3, LC (KU / kg)	0675	160.1	6.560	2.345	1.413	0.3724	5			1
109.02	Vitamin E, LC (IU / kg)	0619	0.2935	0.0090	219.0	42.92	10.44	17	-5.10	50%	0
109.02	Vitamin E, LC (IU / kg)	0563	116.0	7.468	219.0	42.92	10.44	17	-2.40	24%	0
109.02	Vitamin E, LC (IU / kg)	2103	175.0	4.000	219.0	42.92	10.44	17	-1.03	10%	0
109.02	Vitamin E, LC (IU / kg)	0610	194.5	7.000	219.0	42.92	10.44	17	-0.57	6%	0
109.02	Vitamin E, LC (IU / kg)	0098	199.0	28.00	219.0	42.92	10.44	17	-0.47	5%	0
109.02	Vitamin E, LC (IU / kg)	0208	205.4	15.49	219.0	42.92	10.44	17	-0.32	3%	0
109.02	Vitamin E, LC (IU / kg)	0148	206.5	35.00	219.0	42.92	10.44	17	-0.29	3%	0
109.02	Vitamin E, LC (IU / kg)	2192	212.0	4.000	219.0	42.92	10.44	17	-0.16	2%	0
109.02	Vitamin E, LC (IU / kg)	0905	219.5	13.00	219.0	42.92	10.44	17	0.01	0%	0
109.02	Vitamin E, LC (IU / kg)	0910	225.0	8.000	219.0	42.92	10.44	17	0.14	1%	0
109.02	Vitamin E, LC (IU / kg)	0027	227.3	4.343	219.0	42.92	10.44	17	0.19	2%	0
109.02	Vitamin E, LC (IU / kg)	0676	237.7	1.400	219.0	42.92	10.44	17	0.43	4%	0
109.02	Vitamin E, LC (IU / kg)	0038	239.4	0.6903	219.0	42.92	10.44	17	0.47	5%	0
109.02	Vitamin E, LC (IU / kg)	0036	252.0	2.200	219.0	42.92	10.44	17	0.77	8%	0
109.02	Vitamin E, LC (IU / kg)	0227	257.5	39.00	219.0	42.92	10.44	17	0.90	9%	0
109.02	Vitamin E, LC (IU / kg)	0590	280.0	4.000	219.0	42.92	10.44	17	1.42	14%	0
109.02	Vitamin E, LC (IU / kg)	0675	313.6	3.920	219.0	42.92	10.44	17	2.20	22%	0
109.99	Vitamin E, Miscellaneous (IU / kg)	0171	204.5	5.000				1			0
112.01	Pyridoxine, LC (µg / g)	0227	3.405	0.4900				1			0
113.01	Folic Acid, Micro (mg / kg (ppm))	0227	0.6045	0.0570				1			0
114.01	Biotin, Microbiological (mg / kg (ppm))	0227	0.2255	0.0030				1			0
115.00	Non Protein N (NPN), Urea + Am, Urease method (%)	0098	1.175	0.1500				1			0
118.99	Peroxide value, Miscellaneous (meq/kg)	2081	11.14	1.420				1			0
120.00	Alanine, Post-col Ninhydrin Der (%)	0353	0.5150	0.0100	0.5897	0.0235	0.0067	22	-3.17	6%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0918	0.5170	0.0046	0.5897	0.0235	0.0067	22	-3.09	6%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0910	0.5300	0.0000	0.5897	0.0235	0.0067	22	-2.54	5%	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	
120.00	Alanine, Post-col Ninhydrin Der (%)	0675	0.5700	0.0200	0.5897	0.0235	0.0067	22	-0.84	2%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0652	0.5750	0.0100	0.5897	0.0235	0.0067	22	-0.63	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0968	0.5770	0.0100	0.5897	0.0235	0.0067	22	-0.54	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0644	0.5810	0.0140	0.5897	0.0235	0.0067	22	-0.37	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0878	0.5825	0.0010	0.5897	0.0235	0.0067	22	-0.31	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0872	0.5850	0.0020	0.5897	0.0235	0.0067	22	-0.20	0%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0682	0.5860	0.0000	0.5897	0.0235	0.0067	22	-0.16	0%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0859	0.5900	0.0023	0.5897	0.0235	0.0067	22	0.01	0%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0504	0.5900	0.0000	0.5897	0.0235	0.0067	22	0.01	0%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0354	0.5940	0.0200	0.5897	0.0235	0.0067	22	0.18	0%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0571	0.5945	0.0070	0.5897	0.0235	0.0067	22	0.20	0%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	2059	0.5995	0.0050	0.5897	0.0235	0.0067	22	0.42	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0227	0.6000	0.0000	0.5897	0.0235	0.0067	22	0.44	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0684	0.6000	0.0000	0.5897	0.0235	0.0067	22	0.44	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0870	0.6065	0.0229	0.5897	0.0235	0.0067	22	0.71	1%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0619	0.6145	0.0030	0.5897	0.0235	0.0067	22	1.05	2%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0868	0.6150	0.0000	0.5897	0.0235	0.0067	22	1.07	2%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0941	0.6540	0.0100	0.5897	0.0235	0.0067	22	2.73	5%	0
120.00	Alanine, Post-col Ninhydrin Der (%)	0226	0.6570	0.0050	0.5897	0.0235	0.0067	22	2.86	6%	0
120.02	Alanine, Post-col OPA Der (%)	0098	0.6035	0.0110				1			0
120.05	Alanine, Pre-col AQC Der (%)	2246	0.4950	0.0500	0.5770	0.0874	0.0153	6	-0.94	7%	0
120.05	Alanine, Pre-col AQC Der (%)	0676	0.5100	0.0200	0.5770	0.0874	0.0153	6	-0.77	6%	0
120.05	Alanine, Pre-col AQC Der (%)	0148	0.5550	0.0100	0.5770	0.0874	0.0153	6	-0.25	2%	0
120.05	Alanine, Pre-col AQC Der (%)	2196	0.5940	0.0000	0.5770	0.0874	0.0153	6	0.19	1%	0
120.05	Alanine, Pre-col AQC Der (%)	2188	0.6000	0.0000	0.5770	0.0874	0.0153	6	0.26	2%	0
120.05	Alanine, Pre-col AQC Der (%)	0407	0.7880	0.0120	0.5770	0.0874	0.0153	6	2.41	18%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0353	0.6650	0.0300	0.7394	0.0405	0.0110	21	-1.84	5%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0918	0.6726	0.0081	0.7394	0.0405	0.0110	21	-1.65	5%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0868	0.6935	0.0030	0.7394	0.0405	0.0110	21	-1.13	3%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0968	0.7030	0.0120	0.7394	0.0405	0.0110	21	-0.90	2%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0859	0.7184	0.0073	0.7394	0.0405	0.0110	21	-0.52	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0227	0.7200	0.0200	0.7394	0.0405	0.0110	21	-0.48	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0652	0.7200	0.0000	0.7394	0.0405	0.0110	21	-0.48	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0354	0.7240	0.0060	0.7394	0.0405	0.0110	21	-0.38	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0504	0.7250	0.0100	0.7394	0.0405	0.0110	21	-0.36	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0682	0.7270	0.0000	0.7394	0.0405	0.0110	21	-0.31	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0910	0.7450	0.0500	0.7394	0.0405	0.0110	21	0.14	0%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0870	0.7463	0.0301	0.7394	0.0405	0.0110	21	0.17	0%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0872	0.7505	0.0010	0.7394	0.0405	0.0110	21	0.27	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0878	0.7535	0.0070	0.7394	0.0405	0.0110	21	0.35	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0644	0.7560	0.0040	0.7394	0.0405	0.0110	21	0.41	1%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0571	0.7645	0.0070	0.7394	0.0405	0.0110	21	0.62	2%	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	
121.00	Arginine, Post-col Ninhydrin Der (%)	0684	0.7650	0.0100	0.7394	0.0405	0.0110	21	0.63	2%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	2059	0.7650	0.0020	0.7394	0.0405	0.0110	21	0.63	2%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0226	0.7955	0.0001	0.7394	0.0405	0.0110	21	1.38	4%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0619	0.7985	0.0050	0.7394	0.0405	0.0110	21	1.46	4%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0941	0.8530	0.0180	0.7394	0.0405	0.0110	21	2.80	8%	0
121.00	Arginine, Post-col Ninhydrin Der (%)	0675	0.6800	0.0800	0.7394	0.0405	0.0110	21	-1.47	4%	1
121.02	Arginine, Post-col OPA Der (%)	0098	0.7220	0.0020				1			0
121.05	Arginine, Pre-col AQC Der (%)	0407	0.6140	0.0120	0.7544	0.0902	0.0104	5			0
121.05	Arginine, Pre-col AQC Der (%)	0148	0.7300	0.0200	0.7544	0.0902	0.0104	5			0
121.05	Arginine, Pre-col AQC Der (%)	0676	0.7700	0.0200	0.7544	0.0902	0.0104	5			0
121.05	Arginine, Pre-col AQC Der (%)	2196	0.8080	0.0000	0.7544	0.0902	0.0104	5			0
121.05	Arginine, Pre-col AQC Der (%)	2188	0.8500	0.0000	0.7544	0.0902	0.0104	5			0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0353	0.7800	0.0200	0.8987	0.0307	0.0150	22	-3.87	7%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0675	0.8050	0.0300	0.8987	0.0307	0.0150	22	-3.05	5%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0968	0.8605	0.0150	0.8987	0.0307	0.0150	22	-1.24	2%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0918	0.8667	0.0063	0.8987	0.0307	0.0150	22	-1.04	2%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0682	0.8770	0.0000	0.8987	0.0307	0.0150	22	-0.71	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0652	0.8850	0.0300	0.8987	0.0307	0.0150	22	-0.45	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0354	0.8860	0.0020	0.8987	0.0307	0.0150	22	-0.41	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0644	0.8860	0.0280	0.8987	0.0307	0.0150	22	-0.41	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0859	0.8871	0.0098	0.8987	0.0307	0.0150	22	-0.38	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0684	0.8950	0.0300	0.8987	0.0307	0.0150	22	-0.12	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0910	0.9050	0.0300	0.8987	0.0307	0.0150	22	0.20	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0878	0.9065	0.0110	0.8987	0.0307	0.0150	22	0.25	0%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0872	0.9090	0.0200	0.8987	0.0307	0.0150	22	0.33	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0870	0.9091	0.0015	0.8987	0.0307	0.0150	22	0.34	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0868	0.9095	0.0010	0.8987	0.0307	0.0150	22	0.35	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0227	0.9100	0.0200	0.8987	0.0307	0.0150	22	0.37	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0504	0.9100	0.0000	0.8987	0.0307	0.0150	22	0.37	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0571	0.9115	0.0150	0.8987	0.0307	0.0150	22	0.42	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	2059	0.9195	0.0050	0.8987	0.0307	0.0150	22	0.68	1%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0226	0.9437	0.0087	0.8987	0.0307	0.0150	22	1.46	2%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0619	0.9670	0.0000	0.8987	0.0307	0.0150	22	2.22	4%	0
122.00	Aspartic, Post-col Ninhydrin Der (%)	0941	0.9955	0.0470	0.8987	0.0307	0.0150	22	3.15	5%	0
122.02	Aspartic, Post-col OPA Der (%)	0098	0.9260	0.0240				1			0
122.05	Aspartic, Pre-col AQC Der (%)	2246	0.7750	0.0900	0.8538	0.0707	0.0260	5			0
122.05	Aspartic, Pre-col AQC Der (%)	0676	0.8000	0.0400	0.8538	0.0707	0.0260	5			0
122.05	Aspartic, Pre-col AQC Der (%)	2188	0.8500	0.0000	0.8538	0.0707	0.0260	5			0
122.05	Aspartic, Pre-col AQC Der (%)	2196	0.8940	0.0000	0.8538	0.0707	0.0260	5			0
122.05	Aspartic, Pre-col AQC Der (%)	0148	0.9500	0.0000	0.8538	0.0707	0.0260	5			0
122.05	Aspartic, Pre-col AQC Der (%)	0407	0.9535	0.3270	0.8538	0.0707	0.0260	5			1
124.00	Cysteine/Cystine, PAO Post-col Ninhydrin Der (%)	0870	0.1955	0.0046	0.2352	0.0195	0.0075	22	-2.04	8%	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	
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0226	0.2144	0.0047	0.2352	0.0195	0.0075	22	-1.07	4%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0353	0.2150	0.0100	0.2352	0.0195	0.0075	22	-1.04	4%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0652	0.2150	0.0100	0.2352	0.0195	0.0075	22	-1.04	4%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0878	0.2175	0.0010	0.2352	0.0195	0.0075	22	-0.91	4%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0227	0.2250	0.0100	0.2352	0.0195	0.0075	22	-0.52	2%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0910	0.2250	0.0100	0.2352	0.0195	0.0075	22	-0.52	2%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0571	0.2305	0.0050	0.2352	0.0195	0.0075	22	-0.24	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0872	0.2310	0.0080	0.2352	0.0195	0.0075	22	-0.22	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	2059	0.2310	0.0040	0.2352	0.0195	0.0075	22	-0.22	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0859	0.2312	0.0066	0.2352	0.0195	0.0075	22	-0.21	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0644	0.2325	0.0030	0.2352	0.0195	0.0075	22	-0.14	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0868	0.2355	0.0010	0.2352	0.0195	0.0075	22	0.02	0%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0354	0.2365	0.0030	0.2352	0.0195	0.0075	22	0.07	0%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0968	0.2365	0.0050	0.2352	0.0195	0.0075	22	0.07	0%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0504	0.2400	0.0000	0.2352	0.0195	0.0075	22	0.25	1%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0918	0.2500	0.0000	0.2352	0.0195	0.0075	22	0.76	3%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0684	0.2550	0.0100	0.2352	0.0195	0.0075	22	1.02	4%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0682	0.2580	0.0000	0.2352	0.0195	0.0075	22	1.17	5%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0941	0.2600	0.0300	0.2352	0.0195	0.0075	22	1.28	5%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0619	0.3065	0.0190	0.2352	0.0195	0.0075	22	3.67	15%	0
124.00	Cysteine/Cystine, PAO Post-col Ninhydri (%)	0675	0.3400	0.0200	0.2352	0.0195	0.0075	22	5.39	22%	0
124.02	Cysteine/Cystine, PAO Post-col OPA Der (%)	0098	0.2390	0.0060				1			0
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	2246	0.0400	0.0000	0.2032	0.0945	0.0004	5			0
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	2188	0.2100	0.0000	0.2032	0.0945	0.0004	5			0
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0407	0.2320	0.0020	0.2032	0.0945	0.0004	5			0
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0676	0.2600	0.0000	0.2032	0.0945	0.0004	5			0
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	2196	0.2740	0.0000	0.2032	0.0945	0.0004	5			0
124.05	Cysteine/Cystine, PAO Pre-col AQC Der (%)	0148	0.2400	0.0200	0.2032	0.0945	0.0004	5			1
125.00	Glutamic, Post-col Ninhydrin Der (%)	0353	1.945	0.0300	2.104	0.0973	0.0298	21	-1.63	4%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0868	1.975	0.0000	2.104	0.0973	0.0298	21	-1.32	3%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0968	2.026	0.0150	2.104	0.0973	0.0298	21	-0.80	2%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0644	2.030	0.0410	2.104	0.0973	0.0298	21	-0.76	2%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0859	2.041	0.0167	2.104	0.0973	0.0298	21	-0.65	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0504	2.055	0.0500	2.104	0.0973	0.0298	21	-0.50	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0354	2.070	0.0250	2.104	0.0973	0.0298	21	-0.35	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0918	2.073	0.0006	2.104	0.0973	0.0298	21	-0.31	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0682	2.074	0.0000	2.104	0.0973	0.0298	21	-0.30	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0571	2.089	0.0360	2.104	0.0973	0.0298	21	-0.15	0%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0652	2.090	0.0800	2.104	0.0973	0.0298	21	-0.14	0%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0872	2.093	0.0130	2.104	0.0973	0.0298	21	-0.11	0%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	2059	2.097	0.0090	2.104	0.0973	0.0298	21	-0.07	0%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0227	2.110	0.0400	2.104	0.0973	0.0298	21	0.07	0%	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	
125.00	Glutamic, Post-col Ninhydrin Der (%)	0684	2.120	0.0200	2.104	0.0973	0.0298	21	0.17	0%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0910	2.130	0.0800	2.104	0.0973	0.0298	21	0.27	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0878	2.152	0.0040	2.104	0.0973	0.0298	21	0.50	1%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0870	2.247	0.0489	2.104	0.0973	0.0298	21	1.48	3%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0941	2.289	0.0920	2.104	0.0973	0.0298	21	1.91	4%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0226	2.376	0.0143	2.104	0.0973	0.0298	21	2.80	6%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0619	2.395	0.0100	2.104	0.0973	0.0298	21	2.99	7%	0
125.00	Glutamic, Post-col Ninhydrin Der (%)	0675	1.800	0.1800	2.104	0.0973	0.0298	21	-3.12	7%	1
125.02	Glutamic, Post-col OPA Der (%)	0098	2.078	0.0390				1			0
125.05	Glutamic, Pre-col AQC Der (%)	0407	1.869	0.0280	2.018	0.1405	0.0730	6	-1.06	4%	0
125.05	Glutamic, Pre-col AQC Der (%)	0676	1.930	0.1600	2.018	0.1405	0.0730	6	-0.63	2%	0
125.05	Glutamic, Pre-col AQC Der (%)	2188	1.980	0.0000	2.018	0.1405	0.0730	6	-0.27	1%	0
125.05	Glutamic, Pre-col AQC Der (%)	2246	2.025	0.2100	2.018	0.1405	0.0730	6	0.05	0%	0
125.05	Glutamic, Pre-col AQC Der (%)	2196	2.085	0.0000	2.018	0.1405	0.0730	6	0.48	2%	0
125.05	Glutamic, Pre-col AQC Der (%)	0148	2.220	0.0400	2.018	0.1405	0.0730	6	1.44	5%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0353	0.5450	0.0100	0.6184	0.0246	0.0075	22	-2.98	6%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0675	0.5700	0.0200	0.6184	0.0246	0.0075	22	-1.97	4%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0918	0.5756	0.0045	0.6184	0.0246	0.0075	22	-1.74	3%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0968	0.5900	0.0200	0.6184	0.0246	0.0075	22	-1.15	2%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0652	0.6050	0.0100	0.6184	0.0246	0.0075	22	-0.55	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0910	0.6100	0.0000	0.6184	0.0246	0.0075	22	-0.34	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0354	0.6115	0.0010	0.6184	0.0246	0.0075	22	-0.28	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0682	0.6130	0.0000	0.6184	0.0246	0.0075	22	-0.22	0%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0644	0.6155	0.0110	0.6184	0.0246	0.0075	22	-0.12	0%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0859	0.6187	0.0063	0.6184	0.0246	0.0075	22	0.01	0%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0870	0.6199	0.0172	0.6184	0.0246	0.0075	22	0.06	0%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0504	0.6200	0.0200	0.6184	0.0246	0.0075	22	0.06	0%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0684	0.6200	0.0000	0.6184	0.0246	0.0075	22	0.06	0%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0872	0.6225	0.0010	0.6184	0.0246	0.0075	22	0.17	0%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0878	0.6240	0.0020	0.6184	0.0246	0.0075	22	0.23	0%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0227	0.6250	0.0100	0.6184	0.0246	0.0075	22	0.27	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	2059	0.6295	0.0030	0.6184	0.0246	0.0075	22	0.45	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0571	0.6315	0.0090	0.6184	0.0246	0.0075	22	0.53	1%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0868	0.6385	0.0010	0.6184	0.0246	0.0075	22	0.82	2%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0619	0.6740	0.0080	0.6184	0.0246	0.0075	22	2.26	4%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0226	0.6871	0.0001	0.6184	0.0246	0.0075	22	2.79	6%	0
126.00	Glycine, Post-col Ninhydrin Der (%)	0941	0.7020	0.0100	0.6184	0.0246	0.0075	22	3.40	7%	0
126.02	Glycine, Post-col OPA Der (%)	0098	0.6285	0.0030				1			0
126.05	Glycine, Pre-col AQC Der (%)	2246	0.5200	0.0200	0.6310	0.0919	0.0158	6	-1.21	9%	0
126.05	Glycine, Pre-col AQC Der (%)	0148	0.6000	0.0000	0.6310	0.0919	0.0158	6	-0.34	2%	0
126.05	Glycine, Pre-col AQC Der (%)	2196	0.6170	0.0000	0.6310	0.0919	0.0158	6	-0.15	1%	0
126.05	Glycine, Pre-col AQC Der (%)	0676	0.6300	0.0200	0.6310	0.0919	0.0158	6	-0.01	0%	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	
126.05	Glycine, Pre-col AQC Der (%)	2188	0.6500	0.0000	0.6310	0.0919	0.0158	6	0.21	2%	0
126.05	Glycine, Pre-col AQC Der (%)	0407	0.9375	0.0550	0.6310	0.0919	0.0158	6	3.34	24%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0353	0.2650	0.0100	0.3120	0.0175	0.0042	21	-2.68	8%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0918	0.2897	0.0058	0.3120	0.0175	0.0042	21	-1.27	4%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0354	0.2945	0.0050	0.3120	0.0175	0.0042	21	-1.00	3%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0968	0.2950	0.0040	0.3120	0.0175	0.0042	21	-0.97	3%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0859	0.2960	0.0044	0.3120	0.0175	0.0042	21	-0.91	3%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0870	0.2998	0.0029	0.3120	0.0175	0.0042	21	-0.70	2%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0226	0.3079	0.0041	0.3120	0.0175	0.0042	21	-0.24	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0684	0.3100	0.0000	0.3120	0.0175	0.0042	21	-0.12	0%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0868	0.3100	0.0040	0.3120	0.0175	0.0042	21	-0.12	0%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0910	0.3100	0.0000	0.3120	0.0175	0.0042	21	-0.12	0%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0571	0.3125	0.0050	0.3120	0.0175	0.0042	21	0.03	0%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0872	0.3125	0.0090	0.3120	0.0175	0.0042	21	0.03	0%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0878	0.3125	0.0050	0.3120	0.0175	0.0042	21	0.03	0%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	2059	0.3155	0.0030	0.3120	0.0175	0.0042	21	0.20	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0644	0.3160	0.0020	0.3120	0.0175	0.0042	21	0.23	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0227	0.3200	0.0000	0.3120	0.0175	0.0042	21	0.46	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0504	0.3200	0.0000	0.3120	0.0175	0.0042	21	0.46	1%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0652	0.3300	0.0200	0.3120	0.0175	0.0042	21	1.03	3%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0682	0.3450	0.0000	0.3120	0.0175	0.0042	21	1.88	5%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0941	0.3560	0.0020	0.3120	0.0175	0.0042	21	2.51	7%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0619	0.4125	0.0030	0.3120	0.0175	0.0042	21	5.74	16%	0
127.00	Histidine, Post-col Ninhydrin Der (%)	0675	0.1450	0.0300	0.3120	0.0175	0.0042	21	-9.53	27%	1
127.02	Histidine, Post-col OPA Der (%)	0098	0.3125	0.0070				1			0
127.05	Histidine, Pre-col AQC Der (%)	2196	0.2600	0.0000	0.3100	0.0352	0.0082	6	-1.42	8%	0
127.05	Histidine, Pre-col AQC Der (%)	0676	0.2900	0.0000	0.3100	0.0352	0.0082	6	-0.57	3%	0
127.05	Histidine, Pre-col AQC Der (%)	2246	0.3050	0.0100	0.3100	0.0352	0.0082	6	-0.14	1%	0
127.05	Histidine, Pre-col AQC Der (%)	0148	0.3150	0.0100	0.3100	0.0352	0.0082	6	0.14	1%	0
127.05	Histidine, Pre-col AQC Der (%)	2188	0.3300	0.0000	0.3100	0.0352	0.0082	6	0.57	3%	0
127.05	Histidine, Pre-col AQC Der (%)	0407	0.3585	0.0290	0.3100	0.0352	0.0082	6	1.38	8%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0353	0.2900	0.0200	0.3838	0.0386	0.0098	22	-2.43	12%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0675	0.2950	0.0100	0.3838	0.0386	0.0098	22	-2.30	12%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0918	0.3379	0.0007	0.3838	0.0386	0.0098	22	-1.19	6%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0354	0.3420	0.0080	0.3838	0.0386	0.0098	22	-1.08	5%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0684	0.3450	0.0100	0.3838	0.0386	0.0098	22	-1.00	5%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0968	0.3545	0.0030	0.3838	0.0386	0.0098	22	-0.76	4%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0652	0.3750	0.0100	0.3838	0.0386	0.0098	22	-0.23	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0682	0.3760	0.0000	0.3838	0.0386	0.0098	22	-0.20	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0868	0.3800	0.0000	0.3838	0.0386	0.0098	22	-0.10	0%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0878	0.3825	0.0090	0.3838	0.0386	0.0098	22	-0.03	0%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0872	0.3850	0.0200	0.3838	0.0386	0.0098	22	0.03	0%	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	
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0910	0.3850	0.0100	0.3838	0.0386	0.0098	22	0.03	0%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0227	0.3900	0.0000	0.3838	0.0386	0.0098	22	0.16	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0619	0.3925	0.0150	0.3838	0.0386	0.0098	22	0.23	1%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0571	0.3960	0.0120	0.3838	0.0386	0.0098	22	0.32	2%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	2059	0.4025	0.0070	0.3838	0.0386	0.0098	22	0.49	2%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0644	0.4035	0.0070	0.3838	0.0386	0.0098	22	0.51	3%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0504	0.4200	0.0200	0.3838	0.0386	0.0098	22	0.94	5%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0859	0.4253	0.0001	0.3838	0.0386	0.0098	22	1.08	5%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0870	0.4303	0.0148	0.3838	0.0386	0.0098	22	1.21	6%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0226	0.4325	0.0263	0.3838	0.0386	0.0098	22	1.26	6%	0
128.00	Isoleucine, Post-col Ninhydrin Der (%)	0941	0.4355	0.0130	0.3838	0.0386	0.0098	22	1.34	7%	0
128.02	Isoleucine, Post-col OPA Der (%)	0098	0.3845	0.0170				1			0
128.05	Isoleucine, Pre-col AQC Der (%)	2246	0.3300	0.0400	0.4093	0.0694	0.0162	6	-1.14	10%	0
128.05	Isoleucine, Pre-col AQC Der (%)	0676	0.3650	0.0300	0.4093	0.0694	0.0162	6	-0.64	5%	0
128.05	Isoleucine, Pre-col AQC Der (%)	0148	0.4000	0.0200	0.4093	0.0694	0.0162	6	-0.13	1%	0
128.05	Isoleucine, Pre-col AQC Der (%)	2196	0.4140	0.0000	0.4093	0.0694	0.0162	6	0.07	1%	0
128.05	Isoleucine, Pre-col AQC Der (%)	2188	0.4400	0.0000	0.4093	0.0694	0.0162	6	0.44	4%	0
128.05	Isoleucine, Pre-col AQC Der (%)	0407	0.5065	0.0070	0.4093	0.0694	0.0162	6	1.40	12%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0353	0.6950	0.0100	0.7765	0.0404	0.0080	21	-2.02	5%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0918	0.7188	0.0021	0.7765	0.0404	0.0080	21	-1.43	4%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0354	0.7265	0.0030	0.7765	0.0404	0.0080	21	-1.24	3%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0968	0.7415	0.0030	0.7765	0.0404	0.0080	21	-0.87	2%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0675	0.7450	0.0300	0.7765	0.0404	0.0080	21	-0.78	2%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0910	0.7550	0.0100	0.7765	0.0404	0.0080	21	-0.53	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0682	0.7560	0.0000	0.7765	0.0404	0.0080	21	-0.51	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0684	0.7600	0.0000	0.7765	0.0404	0.0080	21	-0.41	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0652	0.7650	0.0100	0.7765	0.0404	0.0080	21	-0.28	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0644	0.7800	0.0160	0.7765	0.0404	0.0080	21	0.09	0%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0878	0.7835	0.0030	0.7765	0.0404	0.0080	21	0.17	0%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0872	0.7880	0.0020	0.7765	0.0404	0.0080	21	0.29	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	2059	0.7895	0.0050	0.7765	0.0404	0.0080	21	0.32	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0504	0.7900	0.0200	0.7765	0.0404	0.0080	21	0.34	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0571	0.7910	0.0000	0.7765	0.0404	0.0080	21	0.36	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0868	0.7945	0.0010	0.7765	0.0404	0.0080	21	0.45	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0227	0.7950	0.0100	0.7765	0.0404	0.0080	21	0.46	1%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0859	0.8109	0.0011	0.7765	0.0404	0.0080	21	0.85	2%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0619	0.8255	0.0070	0.7765	0.0404	0.0080	21	1.22	3%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0941	0.8605	0.0210	0.7765	0.0404	0.0080	21	2.08	5%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0226	0.8724	0.0143	0.7765	0.0404	0.0080	21	2.38	6%	0
129.00	Leucine, Post-col Ninhydrin Der (%)	0870	0.8040	0.0467	0.7765	0.0404	0.0080	21	0.68	2%	1
129.02	Leucine, Post-col OPA Der (%)	0098	0.7780	0.0200				1			0
129.05	Leucine, Pre-col AQC Der (%)	2246	0.6350	0.0300	0.7683	0.1016	0.0153	6	-1.31	9%	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	
129.05	Leucine, Pre-col AQC Der (%)	0676	0.7450	0.0500	0.7683	0.1016	0.0153	6	-0.23	2%	0
129.05	Leucine, Pre-col AQC Der (%)	2196	0.7560	0.0000	0.7683	0.1016	0.0153	6	-0.12	1%	0
129.05	Leucine, Pre-col AQC Der (%)	0148	0.7700	0.0000	0.7683	0.1016	0.0153	6	0.02	0%	0
129.05	Leucine, Pre-col AQC Der (%)	2188	0.7900	0.0000	0.7683	0.1016	0.0153	6	0.21	1%	0
129.05	Leucine, Pre-col AQC Der (%)	0407	0.9140	0.0120	0.7683	0.1016	0.0153	6	1.43	9%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0652	0.4400	0.0000	0.4823	0.0242	0.0064	22	-1.75	4%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0353	0.4450	0.0100	0.4823	0.0242	0.0064	22	-1.54	4%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0918	0.4554	0.0042	0.4823	0.0242	0.0064	22	-1.11	3%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0354	0.4575	0.0010	0.4823	0.0242	0.0064	22	-1.03	3%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0675	0.4600	0.0000	0.4823	0.0242	0.0064	22	-0.92	2%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0868	0.4680	0.0060	0.4823	0.0242	0.0064	22	-0.59	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0872	0.4685	0.0030	0.4823	0.0242	0.0064	22	-0.57	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0682	0.4770	0.0000	0.4823	0.0242	0.0064	22	-0.22	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0968	0.4785	0.0030	0.4823	0.0242	0.0064	22	-0.16	0%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0684	0.4800	0.0000	0.4823	0.0242	0.0064	22	-0.10	0%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0644	0.4825	0.0030	0.4823	0.0242	0.0064	22	0.01	0%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0878	0.4830	0.0020	0.4823	0.0242	0.0064	22	0.03	0%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0571	0.4875	0.0030	0.4823	0.0242	0.0064	22	0.21	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	2059	0.4900	0.0060	0.4823	0.0242	0.0064	22	0.32	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0870	0.4907	0.0033	0.4823	0.0242	0.0064	22	0.34	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0619	0.4920	0.0040	0.4823	0.0242	0.0064	22	0.40	1%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0859	0.4978	0.0065	0.4823	0.0242	0.0064	22	0.64	2%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0504	0.5000	0.0000	0.4823	0.0242	0.0064	22	0.73	2%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0910	0.5050	0.0300	0.4823	0.0242	0.0064	22	0.94	2%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0226	0.5089	0.0102	0.4823	0.0242	0.0064	22	1.10	3%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0941	0.5325	0.0150	0.4823	0.0242	0.0064	22	2.07	5%	0
130.00	L-Lysine, Post-col Ninhydrin Der (%)	0227	0.5450	0.0300	0.4823	0.0242	0.0064	22	2.59	6%	0
130.02	L-Lysine, Post-col OPA Der (%)	0098	0.4810	0.0140				1			0
130.05	L-Lysine, Pre-col AQC Der (%)	2246	0.3750	0.0300	0.4776	0.0707	0.0158	6	-1.45	11%	0
130.05	L-Lysine, Pre-col AQC Der (%)	0676	0.4550	0.0100	0.4776	0.0707	0.0158	6	-0.32	2%	0
130.05	L-Lysine, Pre-col AQC Der (%)	0148	0.4750	0.0300	0.4776	0.0707	0.0158	6	-0.04	0%	0
130.05	L-Lysine, Pre-col AQC Der (%)	2196	0.4770	0.0000	0.4776	0.0707	0.0158	6	-0.01	0%	0
130.05	L-Lysine, Pre-col AQC Der (%)	0407	0.5335	0.0250	0.4776	0.0707	0.0158	6	0.79	6%	0
130.05	L-Lysine, Pre-col AQC Der (%)	2188	0.5500	0.0000	0.4776	0.0707	0.0158	6	1.02	8%	0
130.99	L-Lysine, Miscellaneous (%)	2053	0.3900	0.0200				1			0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0675	0.1250	0.0100	0.1474	0.0137	0.0066	22	-1.64	8%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0968	0.1280	0.0040	0.1474	0.0137	0.0066	22	-1.42	7%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0353	0.1300	0.0200	0.1474	0.0137	0.0066	22	-1.27	6%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0652	0.1350	0.0100	0.1474	0.0137	0.0066	22	-0.90	4%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0354	0.1355	0.0030	0.1474	0.0137	0.0066	22	-0.87	4%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0870	0.1372	0.0088	0.1474	0.0137	0.0066	22	-0.74	3%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0619	0.1380	0.0080	0.1474	0.0137	0.0066	22	-0.68	3%	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	
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0878	0.1395	0.0050	0.1474	0.0137	0.0066	22	-0.57	3%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0682	0.1400	0.0000	0.1474	0.0137	0.0066	22	-0.54	2%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0868	0.1495	0.0010	0.1474	0.0137	0.0066	22	0.16	1%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0226	0.1508	0.0110	0.1474	0.0137	0.0066	22	0.25	1%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0571	0.1525	0.0010	0.1474	0.0137	0.0066	22	0.38	2%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	2059	0.1525	0.0030	0.1474	0.0137	0.0066	22	0.38	2%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0872	0.1530	0.0020	0.1474	0.0137	0.0066	22	0.41	2%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0227	0.1550	0.0100	0.1474	0.0137	0.0066	22	0.56	3%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0504	0.1550	0.0100	0.1474	0.0137	0.0066	22	0.56	3%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0910	0.1550	0.0100	0.1474	0.0137	0.0066	22	0.56	3%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0644	0.1590	0.0040	0.1474	0.0137	0.0066	22	0.85	4%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0684	0.1600	0.0000	0.1474	0.0137	0.0066	22	0.93	4%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0918	0.1600	0.0000	0.1474	0.0137	0.0066	22	0.93	4%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0941	0.1615	0.0210	0.1474	0.0137	0.0066	22	1.04	5%	0
131.00	Methionine, PAO Post-col Ninhydrin Der (%)	0859	0.1770	0.0023	0.1474	0.0137	0.0066	22	2.17	10%	0
131.02	Methionine, PAO Post-col OPA Der (%)	0098	0.1445	0.0030				1			0
131.05	Methionine, PAO Pre-col AQC Der (%)	2246	0.1050	0.0100	0.1438	0.0351	0.0098	6	-1.11	14%	0
131.05	Methionine, PAO Pre-col AQC Der (%)	0407	0.1235	0.0190	0.1438	0.0351	0.0098	6	-0.58	7%	0
131.05	Methionine, PAO Pre-col AQC Der (%)	2188	0.1400	0.0000	0.1438	0.0351	0.0098	6	-0.11	1%	0
131.05	Methionine, PAO Pre-col AQC Der (%)	0148	0.1450	0.0100	0.1438	0.0351	0.0098	6	0.03	0%	0
131.05	Methionine, PAO Pre-col AQC Der (%)	2196	0.1530	0.0000	0.1438	0.0351	0.0098	6	0.26	3%	0
131.05	Methionine, PAO Pre-col AQC Der (%)	0676	0.2000	0.0200	0.1438	0.0351	0.0098	6	1.60	20%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0675	0.3800	0.0000	0.4809	0.0263	0.0083	22	-3.83	10%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0682	0.3970	0.0000	0.4809	0.0263	0.0083	22	-3.19	9%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0652	0.4450	0.0300	0.4809	0.0263	0.0083	22	-1.36	4%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0684	0.4600	0.0000	0.4809	0.0263	0.0083	22	-0.80	2%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0968	0.4665	0.0010	0.4809	0.0263	0.0083	22	-0.55	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0872	0.4685	0.0030	0.4809	0.0263	0.0083	22	-0.47	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0354	0.4720	0.0020	0.4809	0.0263	0.0083	22	-0.34	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0868	0.4725	0.0090	0.4809	0.0263	0.0083	22	-0.32	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0644	0.4745	0.0010	0.4809	0.0263	0.0083	22	-0.24	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0878	0.4745	0.0010	0.4809	0.0263	0.0083	22	-0.24	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0910	0.4750	0.0300	0.4809	0.0263	0.0083	22	-0.23	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0227	0.4800	0.0000	0.4809	0.0263	0.0083	22	-0.04	0%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0571	0.4800	0.0020	0.4809	0.0263	0.0083	22	-0.04	0%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	2059	0.4810	0.0000	0.4809	0.0263	0.0083	22	0.00	0%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0870	0.4949	0.0052	0.4809	0.0263	0.0083	22	0.53	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0504	0.4950	0.0100	0.4809	0.0263	0.0083	22	0.53	1%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0353	0.5000	0.0200	0.4809	0.0263	0.0083	22	0.72	2%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0619	0.5000	0.0360	0.4809	0.0263	0.0083	22	0.72	2%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0918	0.5031	0.0065	0.4809	0.0263	0.0083	22	0.84	2%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0226	0.5142	0.0030	0.4809	0.0263	0.0083	22	1.26	3%	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	
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0941	0.5265	0.0170	0.4809	0.0263	0.0083	22	1.73	5%	0
132.00	Phenylalanine, Post-col Ninhydrin Der (%)	0859	0.5536	0.0057	0.4809	0.0263	0.0083	22	2.76	8%	0
132.02	Phenylalanine, Post-col OPA Der (%)	0098	0.4760	0.0080				1			0
132.05	Phenylalanine, Pre-col AQC Der (%)	0407	0.4520	0.0040	0.4644	0.0147	0.0008	5			0
132.05	Phenylalanine, Pre-col AQC Der (%)	0148	0.4600	0.0000	0.4644	0.0147	0.0008	5			0
132.05	Phenylalanine, Pre-col AQC Der (%)	2196	0.4600	0.0000	0.4644	0.0147	0.0008	5			0
132.05	Phenylalanine, Pre-col AQC Der (%)	2246	0.4600	0.0000	0.4644	0.0147	0.0008	5			0
132.05	Phenylalanine, Pre-col AQC Der (%)	2188	0.4900	0.0000	0.4644	0.0147	0.0008	5			0
132.05	Phenylalanine, Pre-col AQC Der (%)	0676	0.4800	0.0400	0.4644	0.0147	0.0008	5			1
133.00	Proline, Post-col Ninhydrin Der (%)	0353	0.6700	0.0600	0.7768	0.0715	0.0298	22	-1.49	7%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0910	0.6850	0.1100	0.7768	0.0715	0.0298	22	-1.28	6%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0870	0.7160	0.0270	0.7768	0.0715	0.0298	22	-0.85	4%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0644	0.7240	0.0000	0.7768	0.0715	0.0298	22	-0.74	3%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0354	0.7260	0.0040	0.7768	0.0715	0.0298	22	-0.71	3%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0652	0.7350	0.0500	0.7768	0.0715	0.0298	22	-0.58	3%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0682	0.7450	0.0000	0.7768	0.0715	0.0298	22	-0.44	2%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0504	0.7500	0.0200	0.7768	0.0715	0.0298	22	-0.37	2%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0878	0.7525	0.0030	0.7768	0.0715	0.0298	22	-0.34	2%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0227	0.7600	0.0600	0.7768	0.0715	0.0298	22	-0.23	1%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0571	0.7635	0.0130	0.7768	0.0715	0.0298	22	-0.19	1%	0
133.00	Proline, Post-col Ninhydrin Der (%)	2059	0.7695	0.0030	0.7768	0.0715	0.0298	22	-0.10	0%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0684	0.7700	0.0000	0.7768	0.0715	0.0298	22	-0.10	0%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0968	0.7725	0.0090	0.7768	0.0715	0.0298	22	-0.06	0%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0872	0.7755	0.0290	0.7768	0.0715	0.0298	22	-0.02	0%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0918	0.7808	0.0102	0.7768	0.0715	0.0298	22	0.06	0%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0619	0.8235	0.0570	0.7768	0.0715	0.0298	22	0.65	3%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0226	0.8613	0.1115	0.7768	0.0715	0.0298	22	1.18	5%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0941	0.8690	0.0100	0.7768	0.0715	0.0298	22	1.29	6%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0859	0.8724	0.0172	0.7768	0.0715	0.0298	22	1.34	6%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0868	0.9075	0.0010	0.7768	0.0715	0.0298	22	1.83	8%	0
133.00	Proline, Post-col Ninhydrin Der (%)	0675	1.000	0.0600	0.7768	0.0715	0.0298	22	3.12	14%	0
133.05	Proline, Pre-col AQC Der (%)	2246	0.6200	0.0400	0.8257	0.2040	0.0220	6	-1.01	12%	0
133.05	Proline, Pre-col AQC Der (%)	0676	0.6900	0.0400	0.8257	0.2040	0.0220	6	-0.67	8%	0
133.05	Proline, Pre-col AQC Der (%)	0148	0.7550	0.0100	0.8257	0.2040	0.0220	6	-0.35	4%	0
133.05	Proline, Pre-col AQC Der (%)	2196	0.8650	0.0000	0.8257	0.2040	0.0220	6	0.19	2%	0
133.05	Proline, Pre-col AQC Der (%)	2188	0.9000	0.0000	0.8257	0.2040	0.0220	6	0.36	5%	0
133.05	Proline, Pre-col AQC Der (%)	0407	1.124	0.0420	0.8257	0.2040	0.0220	6	1.46	18%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0675	0.4800	0.0200	0.5307	0.0354	0.0116	21	-1.43	5%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0918	0.4849	0.0023	0.5307	0.0354	0.0116	21	-1.29	4%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0353	0.4850	0.0100	0.5307	0.0354	0.0116	21	-1.29	4%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0644	0.5000	0.0160	0.5307	0.0354	0.0116	21	-0.87	3%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0652	0.5050	0.0100	0.5307	0.0354	0.0116	21	-0.73	2%	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	
134.00	Serine, Post-col Ninhydrin Der (%)	0868	0.5060	0.0020	0.5307	0.0354	0.0116	21	-0.70	2%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0968	0.5165	0.0130	0.5307	0.0354	0.0116	21	-0.40	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0859	0.5168	0.0024	0.5307	0.0354	0.0116	21	-0.39	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	2059	0.5245	0.0090	0.5307	0.0354	0.0116	21	-0.17	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0571	0.5300	0.0080	0.5307	0.0354	0.0116	21	-0.02	0%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0684	0.5300	0.0400	0.5307	0.0354	0.0116	21	-0.02	0%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0878	0.5350	0.0000	0.5307	0.0354	0.0116	21	0.12	0%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0910	0.5350	0.0100	0.5307	0.0354	0.0116	21	0.12	0%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0872	0.5355	0.0230	0.5307	0.0354	0.0116	21	0.14	0%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0227	0.5450	0.0100	0.5307	0.0354	0.0116	21	0.40	1%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0226	0.5497	0.0017	0.5307	0.0354	0.0116	21	0.54	2%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0870	0.5563	0.0345	0.5307	0.0354	0.0116	21	0.72	2%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0354	0.5685	0.0050	0.5307	0.0354	0.0116	21	1.07	4%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0941	0.5770	0.0180	0.5307	0.0354	0.0116	21	1.31	4%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0619	0.5800	0.0080	0.5307	0.0354	0.0116	21	1.39	5%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0682	0.6590	0.0000	0.5307	0.0354	0.0116	21	3.62	12%	0
134.00	Serine, Post-col Ninhydrin Der (%)	0504	0.4600	0.0600	0.5307	0.0354	0.0116	21	-2.00	7%	1
134.02	Serine, Post-col OPA Der (%)	0098	0.4885	0.0010				1			0
134.05	Serine, Pre-col AQC Der (%)	2246	0.4550	0.0100	0.5380	0.0760	0.0072	6	-1.09	8%	0
134.05	Serine, Pre-col AQC Der (%)	2188	0.5100	0.0000	0.5380	0.0760	0.0072	6	-0.37	3%	0
134.05	Serine, Pre-col AQC Der (%)	0148	0.5150	0.0100	0.5380	0.0760	0.0072	6	-0.30	2%	0
134.05	Serine, Pre-col AQC Der (%)	0676	0.5250	0.0100	0.5380	0.0760	0.0072	6	-0.17	1%	0
134.05	Serine, Pre-col AQC Der (%)	2196	0.5710	0.0000	0.5380	0.0760	0.0072	6	0.43	3%	0
134.05	Serine, Pre-col AQC Der (%)	0407	0.9345	0.0130	0.5380	0.0760	0.0072	6	5.22	37%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0353	0.3650	0.0100	0.4120	0.0148	0.0080	22	-3.18	6%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0652	0.3800	0.0000	0.4120	0.0148	0.0080	22	-2.16	4%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0910	0.3950	0.0100	0.4120	0.0148	0.0080	22	-1.15	2%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0644	0.4000	0.0140	0.4120	0.0148	0.0080	22	-0.81	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0859	0.4048	0.0016	0.4120	0.0148	0.0080	22	-0.48	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0504	0.4050	0.0100	0.4120	0.0148	0.0080	22	-0.47	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0868	0.4055	0.0030	0.4120	0.0148	0.0080	22	-0.44	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0878	0.4060	0.0040	0.4120	0.0148	0.0080	22	-0.40	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	2059	0.4060	0.0020	0.4120	0.0148	0.0080	22	-0.40	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0918	0.4085	0.0034	0.4120	0.0148	0.0080	22	-0.23	0%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0968	0.4085	0.0090	0.4120	0.0148	0.0080	22	-0.23	0%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0571	0.4100	0.0080	0.4120	0.0148	0.0080	22	-0.13	0%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0684	0.4100	0.0200	0.4120	0.0148	0.0080	22	-0.13	0%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0226	0.4138	0.0052	0.4120	0.0148	0.0080	22	0.12	0%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0872	0.4185	0.0090	0.4120	0.0148	0.0080	22	0.44	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0227	0.4200	0.0000	0.4120	0.0148	0.0080	22	0.54	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0870	0.4213	0.0078	0.4120	0.0148	0.0080	22	0.63	1%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0675	0.4250	0.0300	0.4120	0.0148	0.0080	22	0.88	2%	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	
135.00	Threonine, Post-col Ninhydrin Der (%)	0682	0.4280	0.0000	0.4120	0.0148	0.0080	22	1.09	2%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0619	0.4300	0.0060	0.4120	0.0148	0.0080	22	1.22	2%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0354	0.4335	0.0030	0.4120	0.0148	0.0080	22	1.46	3%	0
135.00	Threonine, Post-col Ninhydrin Der (%)	0941	0.4505	0.0190	0.4120	0.0148	0.0080	22	2.61	5%	0
135.02	Threonine, Post-col OPA Der (%)	0098	0.4175	0.0030				1			0
135.05	Threonine, Pre-col AQC Der (%)	2246	0.3700	0.0200	0.4048	0.0257	0.0080	5			0
135.05	Threonine, Pre-col AQC Der (%)	0676	0.3950	0.0100	0.4048	0.0257	0.0080	5			0
135.05	Threonine, Pre-col AQC Der (%)	2196	0.4040	0.0000	0.4048	0.0257	0.0080	5			0
135.05	Threonine, Pre-col AQC Der (%)	0148	0.4150	0.0100	0.4048	0.0257	0.0080	5			0
135.05	Threonine, Pre-col AQC Der (%)	2188	0.4400	0.0000	0.4048	0.0257	0.0080	5			0
135.05	Threonine, Pre-col AQC Der (%)	0407	0.3955	0.1410	0.4048	0.0257	0.0080	5			1
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0910	0.1300	0.0000	0.1648	0.0286	0.0118	7	-1.22	11%	0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0682	0.1500	0.0000	0.1648	0.0286	0.0118	7	-0.52	4%	0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0870	0.1561	0.0038	0.1648	0.0286	0.0118	7	-0.30	3%	0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0619	0.1575	0.0190	0.1648	0.0286	0.0118	7	-0.26	2%	0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0684	0.1650	0.0100	0.1648	0.0286	0.0118	7	0.01	0%	0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0227	0.1900	0.0000	0.1648	0.0286	0.0118	7	0.88	8%	0
136.00	Tryptophan, Alka-Hydrol Post-col Ninhyd (%)	0918	0.2050	0.0500	0.1648	0.0286	0.0118	7	1.41	12%	0
136.01	Tryptophan, Alka-Hydrol Rev Phase LC UV (%)	0878	0.1475	0.0050				3			0
136.01	Tryptophan, Alka-Hydrol Rev Phase LC UV (%)	0868	0.1490	0.0020				3			0
136.01	Tryptophan, Alka-Hydrol Rev Phase LC UV (%)	0644	0.1515	0.0030				3			0
136.02	Tryptophan, Alka-Hydrol Post-col OPA De (%)	0098	0.1555	0.0010				1			0
136.03	Tryptophan, Alka-Hydrol + IS RP LC FI (%)	0872	0.1500	0.0040	0.1578	0.0093	0.0013	6	-0.84	2%	0
136.03	Tryptophan, Alka-Hydrol + IS RP LC FI (%)	0148	0.1505	0.0010	0.1578	0.0093	0.0013	6	-0.79	2%	0
136.03	Tryptophan, Alka-Hydrol + IS RP LC FI (%)	2059	0.1540	0.0020	0.1578	0.0093	0.0013	6	-0.41	1%	0
136.03	Tryptophan, Alka-Hydrol + IS RP LC FI (%)	0571	0.1600	0.0000	0.1578	0.0093	0.0013	6	0.24	1%	0
136.03	Tryptophan, Alka-Hydrol + IS RP LC FI (%)	0859	0.1606	0.0009	0.1578	0.0093	0.0013	6	0.30	1%	0
136.03	Tryptophan, Alka-Hydrol + IS RP LC FI (%)	0353	0.1900	0.0000	0.1578	0.0093	0.0013	6	3.48	10%	0
136.05	Tryptophan, Pre-col AQC Der (%)	0407	0.0545	0.0010				2			0
136.05	Tryptophan, Pre-col AQC Der (%)	2246	0.1600	0.0000				2			0
136.99	Tryptophan, Miscellaneous (%)	0504	0.1050	0.0100				1			0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0910	0.2350	0.0100	0.3332	0.0310	0.0132	16	-3.17	15%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0354	0.2995	0.0030	0.3332	0.0310	0.0132	16	-1.09	5%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0227	0.3050	0.0100	0.3332	0.0310	0.0132	16	-0.91	4%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0504	0.3050	0.0100	0.3332	0.0310	0.0132	16	-0.91	4%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0870	0.3110	0.0108	0.3332	0.0310	0.0132	16	-0.71	3%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0675	0.3200	0.0400	0.3332	0.0310	0.0132	16	-0.42	2%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0968	0.3205	0.0170	0.3332	0.0310	0.0132	16	-0.41	2%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0941	0.3360	0.0480	0.3332	0.0310	0.0132	16	0.09	0%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0872	0.3395	0.0230	0.3332	0.0310	0.0132	16	0.20	1%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0918	0.3417	0.0017	0.3332	0.0310	0.0132	16	0.27	1%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0644	0.3445	0.0010	0.3332	0.0310	0.0132	16	0.37	2%	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	
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0226	0.3527	0.0152	0.3332	0.0310	0.0132	16	0.63	3%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0682	0.3580	0.0000	0.3332	0.0310	0.0132	16	0.80	4%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0684	0.3650	0.0100	0.3332	0.0310	0.0132	16	1.03	5%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	2059	0.3660	0.0020	0.3332	0.0310	0.0132	16	1.06	5%	0
137.00	Tyrosine, Post-col Ninhydrin Der (%)	0353	0.3850	0.0100	0.3332	0.0310	0.0132	16	1.67	8%	0
137.02	Tyrosine, Post-col OPA Der (%)	0098	0.3175	0.0030				1			0
137.05	Tyrosine, Pre-col AQC Der (%)	2246	0.2600	0.0200	0.3510	0.0568	0.0100	5			0
137.05	Tyrosine, Pre-col AQC Der (%)	2196	0.3400	0.0000	0.3510	0.0568	0.0100	5			0
137.05	Tyrosine, Pre-col AQC Der (%)	0676	0.3600	0.0200	0.3510	0.0568	0.0100	5			0
137.05	Tyrosine, Pre-col AQC Der (%)	2188	0.3900	0.0000	0.3510	0.0568	0.0100	5			0
137.05	Tyrosine, Pre-col AQC Der (%)	0148	0.4050	0.0100	0.3510	0.0568	0.0100	5			0
137.05	Tyrosine, Pre-col AQC Der (%)	0407	1.001	0.5060	0.3510	0.0568	0.0100	5			1
138.00	Valine, Post-col Ninhydrin Der (%)	0675	0.3850	0.0100	0.5377	0.0433	0.0112	22	-3.53	14%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0353	0.4150	0.0300	0.5377	0.0433	0.0112	22	-2.83	11%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0226	0.4325	0.0263	0.5377	0.0433	0.0112	22	-2.43	10%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0652	0.5050	0.0100	0.5377	0.0433	0.0112	22	-0.75	3%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0918	0.5088	0.0010	0.5377	0.0433	0.0112	22	-0.67	3%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0354	0.5140	0.0020	0.5377	0.0433	0.0112	22	-0.55	2%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0868	0.5145	0.0010	0.5377	0.0433	0.0112	22	-0.54	2%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0682	0.5270	0.0000	0.5377	0.0433	0.0112	22	-0.25	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0870	0.5297	0.0074	0.5377	0.0433	0.0112	22	-0.18	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0968	0.5315	0.0050	0.5377	0.0433	0.0112	22	-0.14	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0684	0.5350	0.0100	0.5377	0.0433	0.0112	22	-0.06	0%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0878	0.5425	0.0030	0.5377	0.0433	0.0112	22	0.11	0%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0872	0.5440	0.0400	0.5377	0.0433	0.0112	22	0.15	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0910	0.5450	0.0100	0.5377	0.0433	0.0112	22	0.17	1%	0
138.00	Valine, Post-col Ninhydrin Der (%)	2059	0.5545	0.0050	0.5377	0.0433	0.0112	22	0.39	2%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0571	0.5560	0.0040	0.5377	0.0433	0.0112	22	0.42	2%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0644	0.5580	0.0160	0.5377	0.0433	0.0112	22	0.47	2%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0227	0.5750	0.0100	0.5377	0.0433	0.0112	22	0.86	3%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0504	0.5850	0.0100	0.5377	0.0433	0.0112	22	1.09	4%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0619	0.5875	0.0290	0.5377	0.0433	0.0112	22	1.15	5%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0859	0.5946	0.0001	0.5377	0.0433	0.0112	22	1.31	5%	0
138.00	Valine, Post-col Ninhydrin Der (%)	0941	0.6080	0.0160	0.5377	0.0433	0.0112	22	1.63	7%	0
138.02	Valine, Post-col OPA Der (%)	0098	0.5695	0.0210				1			0
138.05	Valine, Pre-col AQC Der (%)	2196	0.5200	0.0000	0.5541	0.0403	0.0142	6	-0.85	3%	0
138.05	Valine, Pre-col AQC Der (%)	2246	0.5200	0.0400	0.5541	0.0403	0.0142	6	-0.85	3%	0
138.05	Valine, Pre-col AQC Der (%)	0676	0.5450	0.0300	0.5541	0.0403	0.0142	6	-0.23	1%	0
138.05	Valine, Pre-col AQC Der (%)	0148	0.5550	0.0100	0.5541	0.0403	0.0142	6	0.02	0%	0
138.05	Valine, Pre-col AQC Der (%)	2188	0.5700	0.0000	0.5541	0.0403	0.0142	6	0.39	1%	0
138.05	Valine, Pre-col AQC Der (%)	0407	0.6935	0.0050	0.5541	0.0403	0.0142	6	3.46	13%	0
139.00	Taurine, Post-col Ninhydrin Der (%)	0682	0.0350	0.0000				2			0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
139.00	Taurine, Post-col Ninhydrin Der (%)	0504	0.1050	0.0100				2			0
139.02	Taurine, Post-col OPA Der (%)	0098	< 0.01					0			5
139.05	Taurine, Pre-col AQC Der (%)	0407	0.0030	0.0000				1			0
160.99	Fructose, Miscellaneous (%)	0619	0.1370	0.0020				2			0
160.99	Fructose, Miscellaneous (%)	0297	0.2080	0.0240				2			0
160.99	Fructose, Miscellaneous (%)	0227	< 0.15					2			5
161.99	Galactose, Miscellaneous (%)	0297	0.0000	0.0000				0			4
162.99	Glucose, Miscellaneous (%)	0619	0.0845	0.0030				2			0
162.99	Glucose, Miscellaneous (%)	0297	0.1725	0.0170				2			0
162.99	Glucose, Miscellaneous (%)	0227	< 0.15					2			5
163.99	Lactose, Miscellaneous (%)	0619	0.0965	0.0010				1			0
163.99	Lactose, Miscellaneous (%)	0297	0.0000	0.0000				1			4
163.99	Lactose, Miscellaneous (%)	0227	< 0.15					1			5
164.99	Maltose, Miscellaneous (%)	0227	0.1900	0.0000				2			0
164.99	Maltose, Miscellaneous (%)	0297	0.3625	0.0310				2			0
165.99	Sucrose, Miscellaneous (%)	0297	1.095	0.0310				3			0
165.99	Sucrose, Miscellaneous (%)	0619	1.135	0.0300				3			0
165.99	Sucrose, Miscellaneous (%)	0227	1.185	0.0300				3			0
166.99	Raffinose, Miscellaneous (%)	0619	0.5075	0.0070				3			0
166.99	Raffinose, Miscellaneous (%)	0227	0.5150	0.0100				3			0
166.99	Raffinose, Miscellaneous (%)	0297	0.5660	0.0280				3			0
167.99	Stachyose, Miscellaneous (%)	0297	0.0820	0.0160				3			0
167.99	Stachyose, Miscellaneous (%)	0227	0.1550	0.0100				3			0
167.99	Stachyose, Miscellaneous (%)	0619	0.3380	0.0100				3			0
351.00	Chlortetracycline, Plate (mg/kg (ppm))	0511	50.50	7.000	62.39	7.887	2.810	5			0
351.00	Chlortetracycline, Plate (mg/kg (ppm))	0043	59.20	1.380	62.39	7.887	2.810	5			0
351.00	Chlortetracycline, Plate (mg/kg (ppm))	0027	64.35	0.7000	62.39	7.887	2.810	5			0
351.00	Chlortetracycline, Plate (mg/kg (ppm))	0218	67.07	2.889	62.39	7.887	2.810	5			0
351.00	Chlortetracycline, Plate (mg/kg (ppm))	0035	70.85	2.080	62.39	7.887	2.810	5			0
351.03	Chlortetracycline, LC (UV or FL) (mg/kg (ppm))	0910	48.50	1.000	60.14	8.113	3.746	9	-1.43	10%	0
351.03	Chlortetracycline, LC (UV or FL) (mg/kg (ppm))	0036	56.30	0.4000	60.14	8.113	3.746	9	-0.47	3%	0
351.03	Chlortetracycline, LC (UV or FL) (mg/kg (ppm))	0038	57.05	7.573	60.14	8.113	3.746	9	-0.38	3%	0
351.03	Chlortetracycline, LC (UV or FL) (mg/kg (ppm))	0032	57.50	1.000	60.14	8.113	3.746	9	-0.32	2%	0
351.03	Chlortetracycline, LC (UV or FL) (mg/kg (ppm))	0033	57.85	3.100	60.14	8.113	3.746	9	-0.28	2%	0
351.03	Chlortetracycline, LC (UV or FL) (mg/kg (ppm))	0035	58.78	2.710	60.14	8.113	3.746	9	-0.17	1%	0
351.03	Chlortetracycline, LC (UV or FL) (mg/kg (ppm))	0001	64.55	4.100	60.14	8.113	3.746	9	0.54	4%	0
351.03	Chlortetracycline, LC (UV or FL) (mg/kg (ppm))	2192	68.40	4.830	60.14	8.113	3.746	9	1.02	7%	0
351.03	Chlortetracycline, LC (UV or FL) (mg/kg (ppm))	0875	97.50	9.000	60.14	8.113	3.746	9	4.61	31%	0
351.03	Chlortetracycline, LC (UV or FL) (mg/kg (ppm))	2135	< 70		60.14	8.113	3.746	9			5
351.05	Chlortetracycline, LC-MS/MS (mg/kg (ppm))	0939	64.08	7.170	75.23	16.44	7.305	4			0
351.05	Chlortetracycline, LC-MS/MS (mg/kg (ppm))	2248	67.33	14.05	75.23	16.44	7.305	4			0
351.05	Chlortetracycline, LC-MS/MS (mg/kg (ppm))	0148	69.90	8.000	75.23	16.44	7.305	4			0

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
351.05	Chlortetracycline, LC-MS/MS (mg/kg (ppm))	0941	99.63	0.0000	75.23	16.44	7.305	4		0	
351.99	Chlortetracycline, Miscellaneous (mg/kg (ppm))	2144	50.95	1.580				1		0	
365.05	Monensin, LC-MS/MS (mg/kg (ppm))	0028	3.390	0.0800				1		0	
373.03	Oxytetracycline, LC (mg/kg (ppm))	0038	106.5	5.342				1		0	
373.06	Oxytetracycline, LC-MS/MS (mg/kg (ppm))	0941	0.3330	0.0000				3		0	
373.06	Oxytetracycline, LC-MS/MS (mg/kg (ppm))	0939	0.5229	0.0155				3		0	
373.06	Oxytetracycline, LC-MS/MS (mg/kg (ppm))	2248	0.6300	0.1600				3		0	
373.99	Oxytetracycline, Miscellaneous (mg/kg (ppm))	2144	1.425	0.0900				1		0	
381.02	Sulfadimethoxine, LC-MS/MS (mg/kg (ppm))	0860	56.17	0.0000				1		0	
382.00	Sulfamethazine, Spectrophotometer (mg/kg (ppm))	0035	69.13	0.7800				2		0	
382.00	Sulfamethazine, Spectrophotometer (mg/kg (ppm))	0028	87.52	5.470				2		0	
382.01	Sulfamethazine, LC (mg/kg (ppm))	0038	71.18	1.967	85.71	17.31	2.217	4		0	
382.01	Sulfamethazine, LC (mg/kg (ppm))	2192	75.85	0.5000	85.71	17.31	2.217	4		0	
382.01	Sulfamethazine, LC (mg/kg (ppm))	0001	85.80	4.400	85.71	17.31	2.217	4		0	
382.01	Sulfamethazine, LC (mg/kg (ppm))	0875	110.0	2.000	85.71	17.31	2.217	4		0	
382.01	Sulfamethazine, LC (mg/kg (ppm))	0043	87.50	13.00	85.71	17.31	2.217	4		1	
382.04	Sulfamethazine, LC-MS/MS (mg/kg (ppm))	2248	48.30	4.190				3		0	
382.04	Sulfamethazine, LC-MS/MS (mg/kg (ppm))	0941	53.57	0.0000				3		0	
382.04	Sulfamethazine, LC-MS/MS (mg/kg (ppm))	0148	77.95	3.100				3		0	
400.01	Water Activity, Aqualab chilled mirror (Units)	2268	0.4640	0.0040	0.5298	0.0066	0.0027	8	-10.00	6%	0
400.01	Water Activity, Aqualab chilled mirror (Units)	2109	0.5260	0.0018	0.5298	0.0066	0.0027	8	-0.58	0%	0
400.01	Water Activity, Aqualab chilled mirror (Units)	0407	0.5265	0.0010	0.5298	0.0066	0.0027	8	-0.51	0%	0
400.01	Water Activity, Aqualab chilled mirror (Units)	2075	0.5302	0.0006	0.5298	0.0066	0.0027	8	0.05	0%	0
400.01	Water Activity, Aqualab chilled mirror (Units)	2181	0.5303	0.0031	0.5298	0.0066	0.0027	8	0.06	0%	0
400.01	Water Activity, Aqualab chilled mirror (Units)	0942	0.5320	0.0080	0.5298	0.0066	0.0027	8	0.33	0%	0
400.01	Water Activity, Aqualab chilled mirror (Units)	0589	0.5350	0.0020	0.5298	0.0066	0.0027	8	0.78	0%	0
400.01	Water Activity, Aqualab chilled mirror (Units)	0843	0.5389	0.0007	0.5298	0.0066	0.0027	8	1.37	1%	0
400.99	Water Activity, Miscellaneous (Units)	2033	0.5235	0.0010				3		0	
400.99	Water Activity, Miscellaneous (Units)	0843	0.5290	0.0000				3		0	
400.99	Water Activity, Miscellaneous (Units)	2073	0.5930	0.0040				3		0	
412.01	Starch, Dietary, Enzymatic-Colorimetric (%)	0353	12.46	0.0700				1		0	
516.00	Arsenic, Total, AA, Hydride (mg / kg (ppm))	0045	0.4800	0.0800				2		0	
516.00	Arsenic, Total, AA, Hydride (mg / kg (ppm))	0171	0.4985	0.0050				2		0	
516.43	Arsenic, Total, ICP, Microwave (mg / kg (ppm))	0407	3.064	0.5690				1		0	
516.52	Arsenic, Total, ICP-MS, Open vessel (mg / kg (ppm))	0186	0.4550	0.0160				2		0	
516.52	Arsenic, Total, ICP-MS, Open vessel (mg / kg (ppm))	2053	0.5250	0.0100				2		0	
516.53	Arsenic, Total, ICP-MS, Microwave (mg / kg (ppm))	0227	0.4725	0.0990	0.5522	0.0879	0.0616	4		0	
516.53	Arsenic, Total, ICP-MS, Microwave (mg / kg (ppm))	0553	0.5075	0.0630	0.5522	0.0879	0.0616	4		0	
516.53	Arsenic, Total, ICP-MS, Microwave (mg / kg (ppm))	2012	0.5550	0.0500	0.5522	0.0879	0.0616	4		0	
516.53	Arsenic, Total, ICP-MS, Microwave (mg / kg (ppm))	0918	0.6739	0.0345	0.5522	0.0879	0.0616	4		0	
518.31	Cadmium, AAS, Dry ash (mg / kg (ppm))	0689	< 0.2					0		5	
518.41	Cadmium, ICP, Dry ash (mg / kg (ppm))	0171	0.1760	0.0040				2		0	



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518.41	Cadmium, ICP, Dry ash (mg / kg (ppm))	0407	0.1904	0.0172				2		0	
518.43	Cadmium, ICP, Microwave (mg / kg (ppm))	0407	0.2090	0.0800				3		0	
518.43	Cadmium, ICP, Microwave (mg / kg (ppm))	0968	0.2105	0.0090				3		0	
518.43	Cadmium, ICP, Microwave (mg / kg (ppm))	0508	14.75	1.159				3		0	
518.52	Cadmium, ICP-MS, Open vessel (mg / kg (ppm))	0186	0.2155	0.0130				2		0	
518.52	Cadmium, ICP-MS, Open vessel (mg / kg (ppm))	2053	0.2550	0.0100				2		0	
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0227	0.2315	0.0130				3		0	
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0553	0.2320	0.0360				3		0	
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	0918	0.2344	0.0016				3		0	
518.53	Cadmium, ICP-MS, Microwave (mg / kg (ppm))	2012	0.2000	0.0220				3		2	
520.41	Chromium, ICP, Dry ash (mg / kg (ppm))	0171	7.395	0.1300				2		0	
520.41	Chromium, ICP, Dry ash (mg / kg (ppm))	0407	9.163	0.2440				2		0	
520.42	Chromium, ICP, Open vessel (mg / kg (ppm))	0045	13.80	1.600				2		0	
520.42	Chromium, ICP, Open vessel (mg / kg (ppm))	0693	13.85	1.241				2		0	
520.43	Chromium, ICP, Microwave (mg / kg (ppm))	0968	6.922	0.0690				3		0	
520.43	Chromium, ICP, Microwave (mg / kg (ppm))	0407	12.13	1.773				3		0	
520.43	Chromium, ICP, Microwave (mg / kg (ppm))	0510	15.17	0.3400				3		0	
520.52	Chromium, ICP-MS, Open vessel (mg / kg (ppm))	0186	5.550	0.4800				1		0	
520.53	Chromium, ICP-MS, Microwave (mg / kg (ppm))	0918	6.721	0.0392				3		0	
520.53	Chromium, ICP-MS, Microwave (mg / kg (ppm))	0164	13.30	1.000				3		0	
520.53	Chromium, ICP-MS, Microwave (mg / kg (ppm))	0553	16.75	1.700				3		0	
526.31	Lead, AAS, Dry ash (mg / kg (ppm))	0689	< 0.2					0		5	
526.41	Lead, ICP, Dry ash (mg / kg (ppm))	0171	0.1895	0.0170				2		0	
526.41	Lead, ICP, Dry ash (mg / kg (ppm))	0407	0.2290	0.0460				2		0	
526.43	Lead, ICP, Microwave (mg / kg (ppm))	0407	0.5565	0.0570				1		0	
526.52	Lead, ICP-MS, Open vessel (mg / kg (ppm))	0939	0.2550	0.0300				3		0	
526.52	Lead, ICP-MS, Open vessel (mg / kg (ppm))	0186	0.2885	0.0330				3		0	
526.52	Lead, ICP-MS, Open vessel (mg / kg (ppm))	2053	0.3000	0.0400				3		0	
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	2012	0.2665	0.0290	0.2871	0.0248	0.0260	4		0	
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0553	0.2670	0.0020	0.2871	0.0248	0.0260	4		0	
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0918	0.2980	0.0111	0.2871	0.0248	0.0260	4		0	
526.53	Lead, ICP-MS, Microwave (mg / kg (ppm))	0227	0.3170	0.0620	0.2871	0.0248	0.0260	4		0	
529.99	Mercury, Miscellaneous (µg / kg (ppb))	2012	3.641	0.0850				1		0	
539.41	Nickel, ICP, Dry ash (mg / kg (ppm))	0171	5.847	0.1140				2		0	
539.41	Nickel, ICP, Dry ash (mg / kg (ppm))	0407	5.880	0.2640				2		0	
539.43	Nickel, ICP, Microwave (mg / kg (ppm))	0407	6.491	2.365				2		0	
539.43	Nickel, ICP, Microwave (mg / kg (ppm))	0508	7.115	0.8302				2		0	
539.52	Nickel, ICP-MS, Open vessel (mg / kg (ppm))	0186	3.055	0.3300				1		0	
539.53	Nickel, ICP-MS, Microwave (mg / kg (ppm))	0918	4.762	0.0852				2		0	
539.53	Nickel, ICP-MS, Microwave (mg / kg (ppm))	0553	7.275	0.0300				2		0	
702.00	Butyric Acid (4:0), Miscellaneous GC (%)	0619	0.0000	0.0000				0		4	
704.00	Caproic Acid (6:0) , Miscellaneous GC (%)	0619	0.0135	0.0010				1		0	

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			Value	Range	Rob Mean	Robust SD	R-bar	# Labs			
706.01	Caprylic acid (8:0), Direct Methylation by Alkali Hydrolysis	0619	0.0020	0.0000				1		0	
708.01	Capric acid (10:0), Direct Methylation by Alkali Hydrolysis	0619	0.0000	0.0000				0		4	
710.01	Lauric Acid (12:0), Direct Methylation by Alkali Hydrolysis	0619	0.0000	0.0000				0		4	
710.99	Lauric Acid (12:0), Miscellaneous (% (w/w))	0226	< 0.005					0		5	
710.99	Lauric Acid (12:0), Miscellaneous (% (w/w))	0676	< 0.01					0		5	
710.99	Lauric Acid (12:0), Miscellaneous (% (w/w))	0164	< 0.02					0		5	
714.01	Myristic Acid (14:0 ), Direct Methylation by Alkali Hydrolysi	0619	0.0200	0.0000				1		0	
714.99	Myristic Acid (14:0 ), Miscellaneous (% (w/w))	0226	0.0075	0.0010				1		0	
714.99	Myristic Acid (14:0 ), Miscellaneous (% (w/w))	0164	< 0.02					1		5	
716.01	Palmitic Acid (16:0), Direct Methylation by Alkali Hydrolysi:	0619	0.5290	0.0120				1		0	
716.99	Palmitic Acid (16:0), Miscellaneous (% (w/w))	0226	0.4825	0.0110				2		0	
716.99	Palmitic Acid (16:0), Miscellaneous (% (w/w))	0164	0.6100	0.1200				2		0	
718.01	Palmitoleic Acid (9c-16:1), Direct Methylation by Alkali Hyc	0619	0.0210	0.0020				1		0	
718.99	Palmitoleic Acid (9c-16:1), Miscellaneous (% (w/w))	0676	0.0100	0.0000				2		0	
718.99	Palmitoleic Acid (9c-16:1), Miscellaneous (% (w/w))	0226	0.0415	0.0010				2		0	
718.99	Palmitoleic Acid (9c-16:1), Miscellaneous (% (w/w))	0164	< 0.04					2		5	
722.01	Stearic Acid (18:0), Direct Methylation by Alkali Hydrolysis	0619	0.0460	0.0000				1		0	
722.99	Stearic Acid (18:0), Miscellaneous (% (w/w))	0226	0.0615	0.0010				2		0	
722.99	Stearic Acid (18:0), Miscellaneous (% (w/w))	0164	0.0800	0.0200				2		0	
724.01	Oleic Acid (9c-18:1), Direct Methylation by Alkali Hydrolysi	0619	0.3815	0.0030				1		0	
724.99	Oleic Acid (9c-18:1), Miscellaneous (% (w/w))	0226	0.3975	0.0030				2		0	
724.99	Oleic Acid (9c-18:1), Miscellaneous (% (w/w))	0164	0.5350	0.0900				2		0	
726.01	Linoleic Acid (9c,12c-18:2), Direct Methylation by Alkali Hy	0619	0.7700	0.0160				1		0	
726.02	Linoleic Acid (9c,12c-18:2), Direct Methylation by Acid-Alk	0148	0.5805	0.0690				1		0	
726.99	Linoleic Acid (9c,12c-18:2), Miscellaneous (% (w/w))	0226	0.7440	0.0040				3		0	
726.99	Linoleic Acid (9c,12c-18:2), Miscellaneous (% (w/w))	0676	0.8100	0.0000				3		0	
726.99	Linoleic Acid (9c,12c-18:2), Miscellaneous (% (w/w))	0164	0.8850	0.0700				3		0	
728.01	alpha-Linolenic Acid (9c,12c,15c-18:3), Direct Methylation	0619	0.0375	0.0010				1		0	
728.99	alpha-Linolenic Acid (9c,12c,15c-18:3), Miscellaneous (%	0226	0.0465	0.0010				3		0	
728.99	alpha-Linolenic Acid (9c,12c,15c-18:3), Miscellaneous (%	0676	0.0500	0.0000				3		0	
728.99	alpha-Linolenic Acid (9c,12c,15c-18:3), Miscellaneous (%	0164	0.0600	0.0000				3		0	
730.01	Arachidic Acid (20:0), Direct Methylation by Alkali Hydroly:	0619	0.0210	0.0000				1		0	
730.99	Arachidic Acid (20:0), Miscellaneous (% (w/w))	0226	0.0085	0.0010				1		0	
730.99	Arachidic Acid (20:0), Miscellaneous (% (w/w))	0164	< 0.02					1		5	
732.01	Gondoic Acid (11c-20:1), Direct Methylation by Alkali Hydr	0619	0.0225	0.0010				1		0	
732.99	Gondoic Acid (11c-20:1), Miscellaneous (% (w/w))	0226	0.0145	0.0010				1		0	
732.99	Gondoic Acid (11c-20:1), Miscellaneous (% (w/w))	0164	< 0.02					1		5	
736.01	Arachidonic Acid (5c,8c,11c,14c-20:4), Direct Methylation	0619	0.0000	0.0000				0		4	
736.99	Arachidonic Acid (5c,8c,11c,14c-20:4), Miscellaneous (%	0676	< 0.01					0		5	
738.01	Mead Acid (11c,14c,17c-20:3), Direct Methylation by Alkal	0619	0.0000	0.0000				0		4	
740.01	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5), Dir	0619	0.0000	0.0000				0		4	
740.99	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5), Mis	0226	< 0.005					0		5	

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740.99	Eicosapentaenoic Acid EPA (5c,8c,11c,14c,17c-20:5), Mis	0676	< 0.01						0		5
742.99	Behenic Acid (22:0), Miscellaneous (% (w/w))	0226	0.0095	0.0010					1		0
742.99	Behenic Acid (22:0), Miscellaneous (% (w/w))	0164	< 0.02						1		5
744.01	Erucic Acid (13c-22:1), Direct Methylation by Alkali Hydrol	0619	0.0000	0.0000					0		4
744.99	Erucic Acid (13c-22:1), Miscellaneous (% (w/w))	0226	< 0.005						0		5
746.01	Docosapentaenoic Acid n-3 DPA (7c,10c,13c,16c,19c-22:5)	0619	0.0000	0.0000					0		4
746.99	Docosapentaenoic Acid n-3 DPA (7c,10c,13c,16c,19c-22:5)	0676	0.0000	0.0000					0		4
746.99	Docosapentaenoic Acid n-3 DPA (7c,10c,13c,16c,19c-22:5)	0226	< 0.005						0		5
748.99	Lignoceric Acid (24:0), Miscellaneous (% (w/w))	0226	0.0110	0.0000					1		0
750.01	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-22:6)	0619	0.0000	0.0000					0		4
750.99	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-22:6)	0676	0.0000	0.0000					0		4
750.99	Docosahexaenoic Acid DHA (4c,7c,10c,13c,16c,19c-22:6)	0226	< 0.005						0		5
752.01	Nervonic Acid (24:1) isomers, Direct Methylation by Alkali	0619	0.0000	0.0000					0		4
752.99	Nervonic Acid (24:1) isomers, Miscellaneous (% (w/w))	0226	< 0.005						0		5
754.02	Total n-3 Polyunsaturated (Omega-3) Fatty Acids, Direct M	0148	0.0505	0.0050					1		0
754.99	Total n-3 Polyunsaturated (Omega-3) Fatty Acids, Miscell	0676	0.0550	0.0100					2		0
754.99	Total n-3 Polyunsaturated (Omega-3) Fatty Acids, Miscell	0164	0.0700	0.0200					2		0
756.01	Total n-6 Polyunsaturated (Omega-6) Fatty Acids, Direct M	0148	0.5805	0.0690					1		0
756.99	Total n-6 Polyunsaturated (Omega-6) Fatty Acids, Miscell	0676	0.8100	0.0000					2		0
756.99	Total n-6 Polyunsaturated (Omega-6) Fatty Acids, Miscell	0164	0.8650	0.0500					2		0
758.99	Total Saturated Fatty Acids, Miscellaneous (% (w/w))	0164	0.9100	0.1000					1		0
762.99	Total Monounsaturated Fatty Acids, Miscellaneous (% (w	0164	0.5450	0.0900					1		0
766.99	Total Polyunsaturated Fatty Acids, Miscellaneous (% (w/v	0164	0.9450	0.0900					1		0
770.99	Total Fat (equivalent to NLEA), Miscellaneous (% (w/w))	0164	2.410	0.3800					1		0
772.99	Total Fatty Acids, Miscellaneous (% (w/w))	0226	1.824	0.0080					2		0
772.99	Total Fatty Acids, Miscellaneous (% (w/w))	0164	2.305	0.3700					2		0

Notes: Interpreting Z Scores: Red indicates a normally distributed Z value >3 or <-3 (requires action), Orange = Z between 2 and 3 or -2 and -3 (warning) and Green = Z < 2 and >-2 (OK at 95%). Flags indicate data usage: 0 = Used, 1 = Rejected for duplicates too far apart, 2 = Rejected as outlier, 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.